

Bibliography of Hydrology of the United States and Canada, 1964

GEOLOGICAL SURVEY WATER-SUPPLY PAPER 1864



Bibliography of Hydrology of the United States and Canada, 1964

Compiled by J. R. RANDOLPH, N. M. BAKER, *and* R. G. DEIKE

GEOLOGICAL SURVEY WATER-SUPPLY PAPER 1864



UNITED STATES DEPARTMENT OF THE INTERIOR

WALTER J. HICKEL, *Secretary*

GEOLOGICAL SURVEY

William T. Pecora, *Director*

Library of Congress catalog-card No. GS 68-391

**For sale by the Superintendent of Documents, U.S. Government Printing Office
Washington, D.C. 20402 - Price \$1 (paper cover)**

CONTENTS

	Page
Introduction -----	V
Previous bibliographies -----	VI
Serial publications -----	VII
Bibliography -----	1
Index -----	155

BIBLIOGRAPHY OF HYDROLOGY OF THE UNITED STATES AND CANADA 1964

Compiled by J. R. RANDOLPH, N. M. BAKER, and R. G. DEIKE

INTRODUCTION

This volume lists references to books, journal articles, and other publications in the field of hydrology published in the United States and Canada during 1964. In addition, some references have been taken from international journals in which American authors frequently publish.

Previous bibliographies on hydrology of the United States have been prepared under various auspices. A list of citations to the most inclusive ones follows this introduction.

Hydrology, for purposes of this bibliography, is defined as the science that relates to the waters of the earth, their occurrence, distribution, movement, and chemical and physical properties. The studies of water in the oceans and in the atmosphere are technically part of the science of hydrology, but in practice they have been included in the sciences of oceanography and meteorology. However, some references from these fields have been included in this bibliography where the material is relevant to the problems of water in general. Similarly, articles in other allied sciences have been cited if they seem to contain material of interest to hydrologists.

The bibliography includes entries for compilations of basic data except for those reports that are part of a U.S. Government series published monthly or annually, such as the U.S. Weather Bureau's "Climatological Data" and the U.S. Geological Survey's "Quality of Surface Waters of the United States." Periodicals directed toward non-technical readers have not been searched regularly, but selected articles from them have been included.

Citations are listed alphabetically by author, with full title and publication data. The index combines subject and geographic headings.

The assistance of Patrick O. Jefferson, Gary S. Anderson, Barbara M. Gage, Agatha P. Humphrey, and James W. Clarke in the preparation of this volume is gratefully acknowledged.

PREVIOUS BIBLIOGRAPHIES ON HYDROLOGY OF THE UNITED STATES AND CANADA

- American Geophysical Union, Section on Hydrology, 1937, Bibliography of hydrology, United States of America for the years 1935 and 1936: Washington, D.C., Am. Geophys. Union, 78 p.
- 1938, Bibliography of hydrology, United States of America for the year 1937: Washington, D.C., Am. Geophys. Union, 68 p.
- 1939, Bibliography of hydrology, United States of America for the year 1938: Washington, D.C., Am. Geophys. Union, 72 p.
- 1940, Bibliography of hydrology, United States of America for the year 1939: Washington, D.C., Am. Geophys. Union, 86 p.
- 1941, Bibliography of hydrology, United States of America for the year 1940: Washington, D. C., Am. Geophys. Union, 93 p.
- American Geophysical Union, 1952, Annotated bibliography on hydrology, 1941–1950 (United States and Canada): Federal Inter-Agency River Basin Comm., Subcomm. on Hydrology Notes on Hydrologic Activities Bull. 5, 408 p.
- 1955, Annotated bibliography on hydrology, 1951–54, and sedimentation, 1950–54 (United States and Canada): U.S. Inter-Agency Comm. Water Resources Joint Hydrology-Sedimentation Bull. 7, 207 p.
- Bradbury, Carroll E., and associates, 1964, Annotated bibliography on hydrology and sedimentation, 1959–1962 (United States and Canada): U.S. Inter-Agency Comm. Water Resources Joint Hydrology-Sedimentation Bull. 8, 323 p.
- Randolph, J. R., and Deike, R. G., compilers, 1966, Bibliography of hydrology of the United States, 1963: U.S. Geol. Survey Water-Supply Paper 1863, 166 p.
- Riggs, H. C., compiler, 1962, Annotated bibliography on hydrology and sedimentation, United States and Canada, 1955–58: U.S. Geol. Survey Water-Supply Paper 1546, 236 p.
- Vorhis, R. C., 1957, Bibliography of publications relating to ground water prepared by the Geological Survey and cooperating agencies, 1946–55: U.S. Geol. Survey Water-Supply Paper 1492, 203 p.
- Waring, G. A., and Meinzer, O. E., 1947, Bibliography and index of publications relating to ground water prepared by the Geological Survey and cooperating agencies: U.S. Geol. Survey Water-Supply Paper 992, 412 p.

SERIAL PUBLICATIONS

The following list gives the abbreviated titles of periodicals and serial publications most commonly cited in this bibliography, their complete titles, and the place of publication. It would be impractical to include in the list all the journals that are searched regularly, many of which only rarely carry papers of interest to hydrologists. Complete information on any publications not included in the list is given with the citation in the bibliography proper. Guidebooks, proceedings, and related types of literature prepared for special conferences, congresses, and symposia are not listed here as serials but are cited in the bibliography under the name of the editor or of the issuing society.

- Agr. Eng.—Agricultural Engineering. American Society of Agricultural Engineers. St. Joseph, Mich.
- Agronomy Jour.—Agronomy Journal. American Society of Agronomy. Madison, Wis.
- Alabama Acad. Sci. Jour.—Journal of the Alabama Academy of Science. Auburn, Ala.
- Alabama Geol. Survey Bull.—Geological Survey of Alabama Bulletin. University, Ala.
- Alabama Geol. Survey Circ.—Geological Survey of Alabama Circular. University, Ala.
- Alabama Geol. Survey Inf. Ser.—Geological Survey of Alabama Information Series. University, Ala.
- Alabama Geol. Survey Map—Geological Survey of Alabama Map. University, Ala.
- Am. Assoc. Petroleum Geologists Bull.—Bulletin of the American Association of Petroleum Geologists. Tulsa, Okla.
- Am. Econ. Rev.—American Economic Review. American Economic Association. Ithaca, N.Y.
- Am. Forests—American Forests. American Forestry Association. Washington, D.C.
- Am. Geophys. Union Trans.—Transactions of the American Geophysical Union. Washington, D.C.
- Am. Jour. Sci.—American Journal of Science. Kline Geology Laboratory, Yale University, New Haven, Conn.
- Am. Meteorol. Soc. Bull.—Bulletin of the American Meteorological Society. Boston, Mass.
- Am. Mineralogist—American Mineralogist. Mineralogical Society of America. Washington, D.C.
- Am. Philos. Soc. Proc.—Proceedings of the American Philosophical Society. Philadelphia, Pa.
- Am. Scientist—American Scientist. Society of the Sigma Xi. New Haven, Conn.

- Am. Soc. Agr. Engineers Trans. (Gen. Ed.)—Transactions of the American Society of Agricultural Engineers (General Edition). St. Joseph, Mich.
- Am. Soc. Civil Engineers Proc., Hydraulics Div. Jour.—Proceedings of the American Society of Civil Engineers, Journal of the Hydraulics Division. New York, N.Y.
- Am. Soc. Civil Engineers Proc., Irrig. and Drainage Div. Jour.—Proceedings of the American Society of Civil Engineers, Journal of the Irrigation and Drainage Division. New York, N.Y.
- Am. Soc. Civil Engineers Proc., Jour. Prof. Practice—Proceedings of the American Society of Civil Engineers, Journal of Professional Practice. New York, N.Y.
- Am. Soc. Civil Engineers Proc., Power Div. Jour.—Proceedings of the American Society of Civil Engineers, Journal of the Power Division. New York, N.Y.
- Am. Soc. Civil Engineers Proc., Sanitary Eng. Div. Jour.—Proceedings of the American Society of Civil Engineers, Journal of the Sanitary Engineering Division. New York, N.Y.
- Am. Soc. Civil Engineers Proc., Soil Mechanics and Found. Div. Jour.—Proceedings of the American Society of Civil Engineers, Journal of the Soil Mechanics and Foundations Division. New York, N.Y.
- Am. Soc. Civil Engineers Proc., Surveying and Mapping Div. Jour.—Proceedings of the American Society of Civil Engineers, Journal of the Surveying and Mapping Division. New York, N.Y.
- Am. Soc. Civil Engineers Proc., Waterways and Harbors Div. Jour.—Proceedings of the American Society of Civil Engineers, Journal of the Waterways and Harbors Division. New York, N.Y.
- Am. Soc. Testing and Materials Spec. Tech. Pub.—American Society for Testing and Materials Special Technical Publication. Philadelphia, Pa.
- Am. Water Works Assoc. Jour.—Journal of the American Water Works Association. New York, N.Y.
- Analyst—The Analyst. Journal of the Society for Analytical Chemistry. Cambridge, England.
- Anal. Chemistry—Analytical Chemistry. American Chemical Society. Washington, D.C.
- Anal. Chim. Acta—Analytica Chimica Acta. Elsevier Publishing Co. Amsterdam, Netherlands.
- Arctic—Arctic. Arctic Institute of North America. Montreal, Quebec, Canada.
- Arid Zone—Arid Zone. United Nations Educational, Scientific and Cultural Organization. Paris, France.
- Arizona Highways—Arizona Highways. Arizona Highway Department. Phoenix, Ariz.
- Arizona Land Dept. Water Resources Rept.—Arizona State Land Department Water Resources Report. Phoenix, Ariz.
- Arizona Univ. Agr. Expt. Sta. Rept.—University of Arizona, Institute of Water Utilization, Agricultural Experiment Station Report. Tucson, Ariz.
- Assoc. Am. Geographers Annals—Annals of the Association of American Geographers. Washington, D.C.

- Assoc. Official Agr. Chemists Jour.—Journal of the Association of Official Agricultural Chemists. Washington, D.C.
- Atlantic Naturalist—Atlantic Naturalist. Audubon Naturalist Society of the Central Atlantic States. Washington, D.C.
- Battelle Tech. Rev.—Battelle Technical Review. Battelle Memorial Institute. Columbus, Ohio.
- Boston Soc. Civil Engineers Jour.—Journal of the Boston Society of Civil Engineers. Boston, Mass.
- Bot. Gazette—Botanical Gazette. University of Chicago Press. Chicago, Ill.
- Brigham Young Univ. Geology Studies—Brigham Young University Geology Studies. Provo, Utah.
- Bull. Atomic Scientists—Bulletin of the Atomic Scientists. Atomic Scientists of Chicago. Chicago, Ill.
- Bull. Canadian Petroleum Geology—Bulletin of Canadian Petroleum Geology [formerly Alberta Society of Petroleum Geologists Journal]. Alberta Society of Petroleum Geologists. Calgary, Alberta, Canada.
- California Dept. Water Resources Bull.—California Department of Water Resources Bulletin. Sacramento, Calif.
- California Inst. Technology, W. M. Keck Lab. Hydraulics and Water Resources Rept.—California Institute of Technology, W. M. Keck Laboratory of Hydraulics and Water Resources Report. Pasadena, Calif.
- California State Assembly, Assembly Interim Comm. Repts.—California State Assembly, Assembly Interim Committee Reports. Sacramento, Calif.
- California Univ. Lawrence Radiation Lab. [Pub.]—University of California Lawrence Radiation Laboratory [Publication]. Livermore, Calif.
- California Univ. Water Resources Center Contr.—University of California Water Resources Center Contribution. Berkeley, Calif.
- California Water Quality Control Board Pub.—California State Water Quality Control Board Publication. Sacramento, Calif.
- Canada Dept. Mines and Tech. Surveys Geog. Br. Bibliog. Ser.—Canada Department of Mines and Technical Surveys, Geographical Branch Bibliographical Series. Ottawa, Ontario, Canada.
- Canada Geol. Survey Bull.—Geological Survey of Canada Bulletin. Ottawa, Ontario, Canada.
- Canada Geol. Survey Paper—Geological Survey of Canada Paper. Ottawa, Ontario, Canada.
- Canada Geol. Survey Prelim. Ser. Map—Geological Survey of Canada Preliminary Series Map. Ottawa, Ontario, Canada.
- Canada Natl. Research Council, Associate Comm. Soil and Snow Mechanics Tech. Memo.—National Research Council of Canada, Associate Committee on Soil and Snow Mechanics Technical Memorandum. Ottawa, Ontario, Canada.
- Canada Natl. Research Council Tech. Translation—National Research Council of Canada Technical Translation. Ottawa, Ontario, Canada.
- Canada Water Resources Br. Bull.—Canada Water Resources Branch Bulletin. Canada Department of Northern Affairs and National Resources. Ottawa, Ontario, Canada.

- Canada Water Resources Br. Water Resources Paper—Canada Water Resources Branch Water Resources Paper. Canada Department of Northern Affairs and National Resources. Ottawa, Ontario, Canada.
- Canadian Audubon—Canadian Audubon. Canadian Audubon Society. Toronto, Ontario, Canada.
- Canadian Geographer—The Canadian Geographer. Published for the Canadian Association of Geographers by the University of Toronto Press. Toronto, Ontario, Canada.
- Canadian Geog. Jour.—Canadian Geographical Journal. Royal Canadian Geographical Society. Ottawa, Ontario, Canada.
- Canadian Geotech. Jour.—Canadian Geotechnical Journal. Revue Canadienne de Géotechnique. Associate Committee on Soil and Snow Mechanics, National Research Council, and the Geotechnical Engineering Division, Engineering Institute of Canada. Toronto, Ontario, Canada.
- Canadian Jour. Botany—Canadian Journal of Botany. National Research Council of Canada. Ottawa, Ontario, Canada.
- Canadian Jour. Plant Sci.—Canadian Journal of Plant Science. Agricultural Institute of Canada. Ottawa, Ontario, Canada.
- Canadian Jour. Soil Sci.—Canadian Journal of Soil Science. Agricultural Institute of Canada. Ottawa, Ontario, Canada.
- Canadian Mining and Metall. Bull.—Canadian Mining and Metallurgical Bulletin. Canadian Institute of Mining and Metallurgy. Montreal, Quebec, Canada.
- Canadian Mining Jour.—Canadian Mining Journal. National Business Publications Ltd. Gardenvale, Quebec, Canada.
- Canadian Petro Eng.—Canadian Petro Engineering. Southam Business Publications Ltd. Don Mills, Ontario, Canada.
- Caribbean Jour. Sci.—Caribbean Journal of Science. University of Puerto Rico Institute of Caribbean Studies. Mayagüez, P.R.
- Cave Notes—Cave Notes. Cave Research Associates. Castro Valley, Calif.
- Chem. Eng. Prog.—Chemical Engineering Progress. American Institute of Chemical Engineers. New York, N.Y.
- Chicago Univ. Dept. Geography Research Paper—University of Chicago Department of Geography Research Paper. Chicago, Ill.
- Civil Eng.—Civil Engineering. American Society of Civil Engineers. Easton, Pa.
- Colorado State Univ. Fluid Mechanics Papers—Colorado State University Fluid Mechanics Papers. Fort Collins, Colo.
- Colorado State Univ. Hydrology Papers—Colorado State University Hydrology Papers. Fort Collins, Colo.
- Colorado Water Conserv. Board Basic-Data Release—Colorado Water Conservation Board Basic-Data Release [formerly Colorado Water Conservation Board Basic-Data Report]. Denver, Colo.
- Columbia Univ. Dept. Geology Proj. NR 388-057, Tech. Rept.—Columbia University Department of Geology Project NR 388-057, Technical Report. New York, N.Y.
- Compass—The Compass of Sigma Gamma Epsilon. Provo, Utah.

- Connecticut Water Resources Comm. Connecticut Water Resources Bull.—Connecticut Water Resources Commission, Connecticut Water Resources Bulletin. Hartford, Conn.
- Conservationist—The Conservationist. New York State Conservation Department. Albany, N.Y.
- Deep-Sea Research—Deep-Sea Research. Pergamon Press. London, England.
- Driller—The Driller. A. B. Morse and Co. Barrington, Ill.
- Duquesne Sci. Counselor—Duquesne Science Counselor. Duquesne University Press. Pittsburgh, Pa.
- Ecology—Ecology. Ecological Society of America. Durham, N.C.
- Econ. Geology—Economic Geology and the Bulletin of the Society of Economic Geologists. Urbana, Ill.
- Eng. Geology—Engineering Geology. Bulletin of the Association of Engineering Geologists. Sacramento, Calif.
- Eng. Jour.—Engineering Journal. Engineering Institute of Canada, Montreal, Quebec, Canada.
- Florida Acad. Sci. Quart. Jour.—Quarterly Journal of the Florida Academy of Sciences. Gainesville, Fla.
- Florida Geol. Survey Inf. Circ.—Florida Geological Survey Information Circular. Tallahassee, Fla.
- Florida Geol. Survey Map Ser.—Florida Geological Survey Map Series. Tallahassee, Fla.
- Florida Geol. Survey Rept. Inv.—Florida Geological Survey Report of Investigations. Tallahassee, Fla.
- Florida Geol. Survey Spec. Pub.—Florida Geological Survey Special Publications. Tallahassee, Fla.
- Frontiers—Frontiers. A Magazine of Natural History. Academy of Natural Sciences of Philadelphia. Philadelphia, Pa.
- Geochim. et Cosmochim. Acta—Geochimica et Cosmochimica Acta. Pergamon Press. London, England.
- Geoexploration—Geoexploration. Geoexploration Publishing Group. Trondheim, Norway.
- Geog. Rev.—Geographical Review. American Geographical Society of New York. New York, N.Y.
- Geol. Soc. America Bull.—Bulletin of the Geological Society of America. New York, N.Y.
- Geol. Soc. America Eng. Geology Case Histories—Geological Society of America Engineering Geology Case Histories. New York, N.Y.
- Geol. Soc. America Spec. Papers—Geological Society of America Special Papers. New York, N.Y.
- Georgia Geol. Survey Bull.—Georgia Geological Survey Bulletin. Atlanta, Ga.
- Georgia Geol. Survey Inf. Circ.—Georgia Geological Survey Information Circular. Atlanta, Ga.
- Georgia Inst. Technology Eng. Expt. Sta. Spec. Rept.—Georgia Institute of Technology Engineering Experiment Station Special Report. Atlanta, Ga.
- Geotimes—Geotimes. American Geological Institute. Washington, D.C.

- Ground Water—Ground Water. Journal of the National Water Well Association. Urbana, Ill.
- Harvard Univ. Harvard Forest Paper—Harvard University Harvard Forest Paper. Petersham, Mass.
- Hawaii Div. Water and Land Devel. Circ.—Hawaii Division of Water and Land Development Circular. Hawaii State Department of Land and Natural Resources. Honolulu, Hawaii.
- Hawaii Div. Water and Land Devel. Prog. Rept.—Hawaii Division of Water and Land Development Progress Report. Hawaii State Department of Land and Natural Resources. Honolulu, Hawaii.
- Hawaii Div. Water and Land Devel. Rept.—Hawaii Division of Water and Land Development Report. Hawaii State Department of Land and Natural Resources. Honolulu, Hawaii.
- Highway Research Rec.—Highway Research Record. Highway Research Board of the National Academy of Sciences—National Research Council. Washington, D.C.
- Illinois Acad. Sci. Trans.—Transactions of the Illinois State Academy of Science. Springfield, Ill.
- Illinois Geol. Survey Circ.—Illinois State Geological Survey Circular. Urbana, Ill.
- Illinois Univ. Agr. Expt. Sta. Bull.—University of Illinois Agricultural Experiment Station Bulletin. Urbana, Ill.
- Illinois Water Survey Bull.—Illinois State Water Survey Bulletin. Urbana, Ill.
- Illinois Water Survey Rept. Inv.—Illinois State Water Survey Report of Investigation. Urbana, Ill.
- Impact Sci. Soc.—Impact of Science on Society. United Nations Educational, Scientific and Cultural Organization. Paris, France.
- Indiana Acad. Sci. Proc.—Proceedings of the Indiana Academy of Science. Indianapolis, Ind.
- Indiana Div. Water Resources Bull.—Indiana Division of Water Resources Bulletin. Indiana State Department of Conservation. Indianapolis, Ind.
- Indus. Water Eng.—Industrial Water Engineering. Select Publications. Minneapolis, Minn.
- Internat. Assoc. Hydraulic Research Bull.—Bulletin of the International Association for Hydraulic Research. Delft, Netherlands.
- Internat. Assoc. Sci. Hydrology Bull.—Bulletin of the International Association of Scientific Hydrology. Gentbrugge, Belgium.
- Internat. Assoc. Sci. Hydrology Pub.—Publication of the International Association of Scientific Hydrology. Gentbrugge, Belgium.
- Internat. Assoc. Theoretical and Appl. Limnology Proc.—International Association of Theoretical and Applied Limnology Proceedings. E. Schweizerbart'sche Verlagsbuchhandlung. Stuttgart, West Germany.
- Internat. Boundary and Water Comm. Water Bull.—International Boundary and Water Commission (United States and Mexico) Water Bulletin. Washington, D.C. (?)
- Internat. Jour. Air and Water Pollution—International Journal of Air and Water Pollution. Pergamon Press. New York, N.Y.

- Interstate Comm. Potomac River Basin Proc.—Proceedings of the Interstate Commission on the Potomac River Basin. Washington, D.C.
- Irrig. Eng. and Maintenance—Irrigation Engineering and Maintenance. H. L. Peace Publications. New Orleans, La.
- ISA Jour.—ISA Journal. Instrument Society of America. Pittsburgh, Pa.
- Isis—Isis. Official Quarterly Journal of the History of Science Society. Washington, D.C.
- Johnson Drillers Jour.—Johnson Drillers Journal. Edward E. Johnson Inc. St. Paul, Minn.
- Jour. Appl. Meteorology—Journal of Applied Meteorology. American Meteorological Society. Boston, Mass.
- Jour. Appl. Physics—Journal of Applied Physics. American Institute of Physics. New York, N.Y.
- Jour. Atmos. Sci.—Journal of the Atmospheric Sciences. American Meteorological Society. Boston, Mass.
- Jour. Chromatography—Journal of Chromatography. Elsevier Publishing Co. Amsterdam, Netherlands.
- Jour. Fluid Mechanics—Journal of Fluid Mechanics. Cambridge University Press. London, England.
- Jour. Forestry—Journal of Forestry. Society of American Foresters. Washington, D.C.
- Jour. Geography—Journal of Geography. National Council for Geographic Education. Chicago, Ill.
- Jour. Geol. Education—Journal of Geological Education. National Association of Geology Teachers. Princeton, N.J.
- Jour. Geology—Journal of Geology. University of Chicago Press. Chicago, Ill.
- Jour. Geophys. Research—Journal of Geophysical Research. American Geophysical Union. Washington, D.C.
- Jour. Glaciology—Journal of Glaciology. British Glaciological Society. Cambridge, England.
- Jour. Hydraulic Research—Journal of Hydraulic Research. International Association for Hydraulic Research. Delft, Netherlands.
- Jour. Hydrology [Amsterdam]—Journal of Hydrology. North-Holland Publishing Co. Amsterdam, Netherlands.
- Jour. Marine Research—Journal of Marine Research. Sears Foundation for Marine Research, Bingham Oceanographic Laboratory, Yale University. New Haven, Conn.
- Jour. Petroleum Technology—Journal of Petroleum Technology. Society of Petroleum Engineers of the American Institute of Mining, Metallurgical, and Petroleum Engineers. Dallas, Tex.
- Jour. Phys. Chemistry—Journal of Physical Chemistry. American Chemical Society. Washington, D.C.
- Jour. Range Management—Journal of Range Management. American Society of Range Management. Portland, Oreg.

- Jour. Sed. Petrology—Journal of Sedimentary Petrology. Society of Economic Paleontologists and Mineralogists, a Division of The American Association of Petroleum Geologists. Tulsa, Okla.
- Jour. Soil and Water Conserv.—Journal of Soil and Water Conservation. Soil Conservation Society of America. Des Moines, Iowa.
- Kansas Acad. Sci. Trans.—Transactions of the Kansas Academy of Science. Lawrence, Kans.
- Kansas Dept. Health Environmental Health Services Bull.—Kansas State Department of Health, Environmental Health Services Bulletin. Topeka, Kans.
- Kansas Geol. Survey Bull.—State Geological Survey of Kansas Bulletin. Lawrence, Kans.
- Kansas Geol. Survey Spec. Distrib. Pub.—State Geological Survey of Kansas Special Distribution Publication. Lawrence, Kans.
- Kansas Legislative Council Research Dept. Pub.—Kansas Legislative Council Research Department Publication. Topeka, Kans.
- Kansas State Univ. Agr. Expt. Sta. Tech. Bull.—Kansas State University of Agriculture and Applied Science, Agricultural Experiment Station Technical Bulletin. Manhattan, Kans.
- Kansas Water Resources Board Bull.—Kansas State Water Resources Board Bulletin. Topeka, Kans.
- Kansas Water Resources Board Tech. Rept.—Kansas State Water Resources Board Technical Report. Topeka, Kans.
- Kentucky Acad. Sci. Trans.—Transactions of the Kentucky Academy of Science. Lexington, Ky.
- Land and Water Contracting—Land and Water Contracting. Land Publications. Barrington, Ill.
- Limnology and Oceanography—Limnology and Oceanography. American Society of Limnology and Oceanography. Ann Arbor, Mich.
- Louisiana Dept. Conserv. Geol. Survey, and Louisiana Dept. Public Works Water Resources Bull.—Louisiana Department of Conservation, Geological Survey; and Louisiana Department of Public Works Water Resources Bulletin. Baton Rouge, La.
- Marine Geology—Marine Geology. International Journal of Marine Geology, Geochemistry and Geophysics. Elsevier Publishing Co. Amsterdam, Netherlands.
- Materials Research and Standards—Materials Research and Standards. American Society for Testing and Materials. Philadelphia, Pa.
- Michigan Geol. Survey Div. Water Inv.—Michigan Geological Survey Division Water Investigation. Michigan Department of Conservation. Lansing, Mich.
- Michigan Geol. Survey Div. Water Supply Rept.—Michigan Geological Survey Division Water Supply Report. Michigan Department of Conservation. Lansing, Mich.
- Michigan State Univ. Agr. Expt. Sta. Water Bull.—Michigan State University, Department of Resource Development, Agricultural Experiment Station Water Bulletin. East Lansing, Mich.

- Michigan Univ. Great Lakes Research Div. Pub.—University of Michigan, Institute of Science and Technology, Great Lakes Research Division Publication. Ann Arbor, Mich.
- Michigan Univ., Michigan Govt. Studies—University of Michigan, Institute of Public Administration, Michigan Governmental Studies. Ann Arbor, Mich.
- Mil. Engineer—The Military Engineer. Society of American Military Engineers. Washington, D.C.
- Mining Cong. Jour.—Mining Congress Journal. American Mining Congress. Washington, D.C.
- Minnesota Div. Waters Bull.—Minnesota Division of Waters Bulletin. Minnesota Department of Conservation. St. Paul, Minn.
- Minnesota Jour. Sci.—Minnesota Journal of Science. Minnesota Academy of Science. Minneapolis, Minn.
- Mississippi Board Water Commissioners Bull.—Mississippi Board of Water Commissioners Bulletin. Jackson, Miss.
- Mississippi Geol. Econ. and Topog. Survey Bull.—Mississippi Geological, Economic and Topographical Survey Bulletin. Jackson, Miss.
- Mississippi Indus. and Technol. Research Comm. Bull.—Mississippi Industrial and Technological Research Commission Bulletin. Jackson, Miss.
- Mississippi Indus. and Technol. Research Comm. Water Research Bul'—Mississippi Industrial and Technological Research Commission Water Research Bulletin. Jackson, Miss.
- Missouri Speleology—Missouri Speleology. Journal of the Missouri Speleological Society. Columbia, Mo.
- Montana Bur. Mines and Geology Bull.—Montana Bureau of Mines and Geology Bulletin. Butte, Mont.
- Monthly Weather Rev.—Monthly Weather Review. U.S. Weather Bureau. Washington, D.C.
- Mtn. Geologist—Mountain Geologist. Rocky Mountain Association of Geologists. Denver, Colo.
- Nat. History—Natural History. The American Museum of Natural History. New York, N.Y.
- Nat. Resources Jour.—Natural Resources Journal. University of New Mexico School of Law. Albuquerque, N. Mex.
- Natl. Acad. Sci.—Natl. Research Council Highway Research Board Bull.—National Academy of Sciences—National Research Council Highway Research Board Bulletin. Washington, D.C.
- Natl. Acad. Sci.—Natl. Research Council News Rept.—National Academy of Sciences—National Research Council News Report. Washington, D.C.
- Natl. Acad. Sci. Proc.—Proceedings of the National Academy of Sciences. Washington, D.C.
- Natl. Parks Mag.—National Parks Magazine. National Parks Association. Washington, D.C.
- Natl. Speleol. Soc. Bull.—Bulletin of the National Speleological Society. Falls Church, Va.

- Nebraska Univ. Conserv. and Survey Div. Nebraska Water Survey Paper—University of Nebraska Conservation and Survey Division, Nebraska Water Survey Paper. Lincoln, Nebr.
- Nebraska Univ. Conserv. and Survey Div. Nebraska Water Survey Test Hole Rept.—University of Nebraska Conservation and Survey Division. Nebraska Water Survey Test Hole Report. Lincoln, Nebr.
- Nevada Bur. Mines Map—Nevada Bureau of Mines Map. Reno, Nev.
- Nevada Dept. Conserv. and Nat. Resources Ground-Water Resources—Inf. Ser. Rept.—Nevada Department of Conservation and Natural Resources, Ground-Water Resources—Information Series Report. Carson City, Nev.
- Nevada Dept. Conserv. and Nat. Resources Ground-Water Resources—Reconn. Ser. Rept.—Nevada Department of Conservation and Natural Resources, Ground-Water Resources—Reconnaissance Series Report. Carson City, Nev.
- Nevada Dept. Conserv. and Nat. Resources, Water and Related Land Resources, Humboldt River Basin Rept.—Nevada Department of Conservation and Natural Resources, Water and Related Land Resources, Humboldt River Basin Report. Carson City, Nev.
- Nevada Dept. Conserv. and Nat. Resources Water Resources Bull.—Nevada Department of Conservation and Natural Resources Water Resources Bulletin. Carson City, Nev.
- Nevada Univ. Desert Research Inst. Tech. Rept.—University of Nevada Desert Research Institute Technical Report. Reno, Nev.
- Nevada Univ. Nevada Studies in History and Political Sci.—University of Nevada, Nevada Studies in History and Political Science. Carson City, Nev.
- New England Water Works Assoc. Jour.—Journal of the New England Water Works Association. Boston, Mass.
- New Jersey Div. Water Policy and Supply Water Resources Circ.—New Jersey Division of Water Policy and Supply Water Resources Circular. New Jersey Department of Conservation and Economic Development. Trenton, N.J.
- New Mexico State Engineer Tech. Rept.—New Mexico State Engineer Technical Report. Santa Fe, N. Mex.
- New York Acad. Sci. Trans.—Transactions of the New York Academy of Sciences. New York, N.Y.
- New York State Dept. Health Research Rept.—New York State Department of Health Research Report. Albany, N.Y.
- New York State Legislative Doc.—New York State Legislative Document. Albany, N.Y.
- New York Water Resources Comm. Bull.—New York Water Resources Commission Bulletin. New York State Conservation Department. Albany, N.Y.
- News in Eng.—News in Engineering. Ohio State University Engineering Experiment Station. Columbus, Ohio.
- North Carolina Div. Ground Water Ground-Water Bull.—North Carolina Division of Ground Water Ground-Water Bulletin. North Carolina Department of Water Resources. Raleigh, N.C.

- North Carolina Div. Ground Water Ground-Water Circ.—North Carolina Division of Ground Water Ground-Water Circular. North Carolina Department of Water Resources. Raleigh, N.C.
- North Carolina Div. Ground Water Rept. Inv.—North Carolina Division of Ground Water Report of Investigations. North Carolina Department of Water Resources. Raleigh, N.C.
- North Carolina Div. Stream Sanitation and Hydrology Bull.—North Carolina Division of Stream Sanitation and Hydrology Bulletin. North Carolina Department of Water Resources. Raleigh, N.C.
- North Carolina Univ. Center Urban and Regional Studies, Regional Studies Mon.—University of North Carolina Center for Urban and Regional Studies, Regional Studies Monograph. Chapel Hill, N.C.
- North Carolina Univ. Water Resource Papers—University of North Carolina Water Resource Papers. Chapel Hill, N.C.
- North Dakota Geol. Survey Bull.—North Dakota Geological Survey Bulletin. Grand Forks, N. Dak.
- North Dakota Water Conserv. Comm. County Ground Water Studies—North Dakota State Water Conservation Commission County Ground Water Studies. Grand Forks, N. Dak.
- North Dakota Water Conserv. Comm. North Dakota Ground-Water Studies—North Dakota State Water Conservation Commission, North Dakota Ground-Water Studies. Bismark, N. Dak.
- Ohio Div. Water Bull.—Ohio Division of Water Bulletin. Ohio Department of Natural Resources. Columbus, Ohio.
- Ohio Div. Water Ohio Water Plan Inventory Rept.—Ohio Division of Water, Ohio Water Plan Inventory Report. Ohio Department of Natural Resources. Columbus, Ohio.
- Ohio Jour. Sci.—Ohio Journal of Science. Ohio State University and Ohio Academy of Science. Columbus, Ohio.
- Oklahoma Water Resources Board Bull.—Oklahoma Water Resources Board Bulletin. Oklahoma City, Okla.
- Oklahoma Water Resources Board [Rept.]—Oklahoma Water Resources Board [Report]. Oklahoma City, Okla.
- Oregon State Engineer Ground Water Rept.—Oregon State Engineer Ground Water Report. Salem, Oreg.
- Pennsylvania Geol. Survey Ground Water Rept. 4th Ser. Bull.—Pennsylvania Geological Survey Ground Water Report, 4th Series Bulletin. Harrisburg, Pa.
- Photogramm. Eng.—Photogrammetric Engineering. American Society of Photogrammetry. Washington, D.C.
- Photogrammetria—Photogrammetria. Official Journal of the International Society for Photogrammetry. N. V. Uitgeverij. The Hague, Netherlands.
- Physics Fluids—The Physics of Fluids. American Institute of Physics. New York, N.Y.
- Plateau—Plateau. Northern Arizona Society of Science and Art. Flagstaff, Ariz.

- Prof. Geographer—Professional Geographer. Journal of the Association of American Geographers. Washington, D.C.
- Puerto Rico Water Resources Authority Water-Resources Bull.—Puerto Rico Water Resources Authority, Water-Resources Bulletin. San Juan, P.R.
- Purdue Univ. Eng. Bull.—Purdue University Engineering Bulletin. Lafayette, Ind.
- Purdue Univ. Eng. Ext. Ser.—Purdue University Engineering Extension Series. Lafayette, Ind.
- Purdue Univ. Joint Highway Research Proj. Rept.—Purdue University. Joint Highway Research Project Report. Lafayette, Ind.
- Radiolog. Health Data—Radiological Health Data. U.S. Public Health Service. Washington, D.C.
- Research for Farmers—Research for Farmers. Canada Department of Agriculture. Ottawa, Ontario, Canada.
- Resources for Future Ann. Rept.—Resources for the Future Annual Report. Washington, D.C.
- Rev. Geophysics—Reviews of Geophysics. The American Geophysical Union. Washington, D.C.
- Review—The Review. Alumni Association of the College of Arts and Sciences—Graduate School. Indiana University. Bloomington, Ind.
- Rev. Sci. Instruments—Review of Scientific Instruments. American Institute of Physics. New York, N.Y.
- Rhode Island Water Resources Coordinating Board Geol. Bull.—Rhode Island Water Resources Coordinating Board Geological Bulletin. Providence, R.I.
- Rhode Island Water Resources Coordinating Board Ground-Water Map—Rhode Island Water Resources Coordinating Board Ground-Water Map. Providence, R.I.
- Science—Science. American Association for the Advancement of Science. Washington, D.C.
- Sedimentology—Sedimentology. Journal of the International Association of Sedimentology. Elsevier Publishing Co. Amsterdam, Netherlands.
- Seismol. Soc. America Bull.—Bulletin of the Seismological Society of America. San Francisco, Calif.
- Soc. Mining Engineers Trans.—Transactions of the Society of Mining Engineers. Society of Mining Engineers of AIME. New York, N.Y.
- Soc. Petroleum Engineers Jour.—Society of Petroleum Engineers Journal. Society of Petroleum Engineers of AIME. Dallas, Tex.
- Soil Sci.—Soil Science. Williams and Wilkins Co. Baltimore, Md.
- Soil Sci. Soc. America Proc.—Soil Science Society of America Proceedings. Madison, Wis.
- South Dakota Geol. Survey Spec. Rept.—South Dakota State Geological Survey Special Report. University of South Dakota. Vermillion, S.D.
- South Dakota Geol. Survey Water Resources Rept.—South Dakota State Geological Survey Water Resources Report. University of South Dakota. Vermillion, S. Dak.

- South Texas Geol. Soc. Bull.—Bulletin, South Texas Geological Society. San Antonio, Tex.
- Southeastern Geology—Southeastern Geology. Department of Geology, Duke University. Durham, N.C.
- Speleo Digest—Speleo Digest. National Speleological Society, Pittsburgh Grotto. Pittsburgh, Pa.
- State Geologists Jour.—State Geologists Journal. Organ of the Association of American State Geologists. Bloomington, Ind.
- Surveying and Mapping—Surveying and Mapping. American Congress on Surveying and Mapping. Washington, D.C.
- Technology and Culture—Technology and Culture. Society for the History of Technology. Detroit, Mich.
- Tellus—Tellus. A Quarterly Journal of Geophysics. Svenska Geofysiska Föreningen. Stockholm, Sweden.
- Tennessee Acad. Sci. Jour.—Journal of the Tennessee Academy of Science. Nashville, Tenn.
- Tennessee Div. Water Resources Hydrol. Atlas—Tennessee Division of Water Resources Hydrologic Atlas. Tennessee Department of Conservation. Nashville, Tenn.
- Tennessee Valley Authority Hydraulic Data Br. Rept.—Tennessee Valley Authority Hydraulic Data Branch Report. Knoxville, Tenn.
- [Texas] Edwards Underground Water Dist. Bull.—[Texas] Edwards Underground Water District Bulletin. San Antonio, Tex.
- Texas Water Comm. Bull.—Texas Water Commission Bulletin. Austin, Tex.
- Texas Water Comm. Circ.—Texas Water Commission Circular. Austin, Tex.
- Texas Water Comm. Rept.—Texas Water Commission Report. Austin, Tex.
- Trend Eng.—Trend in Engineering at the University of Washington. Office of Engineering Research, University of Washington. Seattle, Wash.
- UNESCO Courier—UNESCO Courier. United Nations Educational, Scientific and Cultural Organization. Paris, France.
- United Nations Food and Agriculture Organization, FAO Legislative Ser.—Food and Agriculture Organization of the United Nations, FAO Legislative Series. Rome, Italy.
- United Nations Water Resources Ser.—United Nations Water Resources Series. United Nations Economic Commission for Asia and the Far East. United Nations, N.Y.
- U.S. Army Corps Engineers, Hydrol. Eng. Center Tech. Bull.—U.S. Army, Corps of Engineers, Hydrologic Engineering Center Technical Bulletin. Sacramento, Calif.
- U.S. Army Cold Regions Research and Eng. Lab. CRREL Rept.—U.S. Army, Materiel Command, Cold Regions Research and Engineering Laboratory CRREL Report, Hanover, N.H.
- U.S. Army Cold Regions Research and Eng. Lab. Research Rept.—U.S. Army, Materiel Command, Cold Regions Research and Engineering Laboratory Research Report. Hanover, N.H.

- U.S. Army Engineer Waterways Expt. Sta. Tech. Rept.—U.S. Army, Corps of Engineers, U.S. Army Engineer Waterways Experiment Station Technical Report.
- U.S. Atomic Energy Comm. Div. Tech. Inf. [Pub.]—U.S. Atomic Energy Commission, Division of Technical Information [Publication]. Washington, D.C.
- U.S. Atomic Energy Comm. Plowshare Program Rept.—U.S. Atomic Energy Commission Plowshare Program Report. Washington, D.C.
- U.S. Atomic Energy Comm. Research and Devel. Rept.—U.S. Atomic Energy Commission Research and Development Report. Washington, D.C.
- U.S. Bur. Mines Inf. Circ.—U.S. Bureau of Mines Information Circular. Washington, D.C.
- U.S. Bur. Mines Rept. Inv.—U.S. Bureau of Mines Report of Investigations. Washington, D.C.
- U.S. Bur. Reclamation Eng. Mon.—U.S. Bureau of Reclamation Engineering Monographs. Denver, Colo.
- U.S. Dept. Agriculture [Pub.] ARS—U.S. Department of Agriculture, Agricultural Research Service [Publication]. Washington, D.C.
- U.S. Dept. Agriculture, Agriculture Handb.—U.S. Department of Agriculture, Agriculture Handbook. Washington, D.C.
- U.S. Geol. Survey Bull.—U.S. Geological Survey Bulletin. Washington, D.C.
- U.S. Geol. Survey Circ.—U.S. Geological Survey Circular. Washington, D.C.
- U.S. Geol. Survey Hydrol. Inv. Atlas—U.S. Geological Survey Hydrologic Investigations Atlas. Washington, D.C.
- U.S. Geol. Survey Maine Basic-Data Rept., Ground-Water Ser.—U.S. Geological Survey Maine Basic-Data Report, Ground-Water Series. Washington, D.C.
- U.S. Geol. Survey Massachusetts Basic-Data Rept., Ground-Water Ser.—U.S. Geological Survey Massachusetts Basic-Data Report, Ground-Water Series. Washington, D.C.
- U.S. Geol. Survey Prof. Paper—U.S. Geological Survey Professional Paper. Washington, D.C.
- U.S. Geol. Survey Rept. TEI—U.S. Geological Survey Trace Elements Investigations Report. Washington, D.C.
- U.S. Geol. Survey Water-Supply Paper—U.S. Geological Survey Water-Supply Paper. Washington, D.C.
- U.S. Natl. Bur. Standards Jour. Research—U.S. National Bureau of Standards Journal of Research. Washington, D.C.
- U.S. Natl. Bur. Standards Misc. Pub.—U.S. National Bureau of Standards Miscellaneous Publication. Washington, D.C.
- U.S. Natl. Lab., Oak Ridge, Tenn. [Pub.] ORNL—U.S. National Laboratory, Oak Ridge, Tenn. ORNL [Publication]. Oak Ridge, Tenn.
- U.S. Public Health Service Pub.—U.S. Public Health Service Publication. Washington, D.C.
- U.S. Weather Bur. Tech. Paper—U.S. Weather Bureau Technical Paper. Washington, D.C.
- Utah Acad. Sci. Arts and Letters Proc.—Proceedings of the Utah Academy of Sciences, Arts and Letters. Provo, Utah.

- Utah Geol. and Mineralog. Survey Bull.—Utah Geological and Mineralogical Survey Bulletin. College of Mines and Mineral Industries, University of Utah. Salt Lake City, Utah.
- Utah Geol. and Mineralog. Survey Water-Resources Bull.—Utah Geological and Mineralogical Survey Water-Resources Bulletin. College of Mines and Mineral Industries, University of Utah. Salt Lake City, Utah.
- Utah State Engineer Basic Data Rept.—Utah State Engineer Basic Data Report. Salt Lake City, Utah.
- Utah State Univ. Agr. Expt. Sta. Spec. Rept.—Utah State University Agricultural Experiment Station Special Report. Logan, Utah.
- Utah Water and Power Board Coop. Inv. Rept.—Utah Water and Power Board Cooperative Investigations Report. Salt Lake City, Utah.
- Virginia Jour. Sci.—Virginia Journal of Science. Virginia Academy of Science. Blacksburg, Va.
- Washington [State] Dept. Conserv. Bienn. Rept.—Washington [State] Department of Conservation Biennial Report. Olympia, Wash.
- Washington [State] Div. Power Resources Bull.—Washington [State] Division of Power Resources Bulletin. Washington Department of Conservation. Olympia, Wash.
- Washington [State] Div. Water Resources Water-Supply Bull.—Washington [State] Division of Water Resources Water-Supply Bulletin. Washington Department of Conservation. Olympia, Wash.
- Water and Sewage Works—Water and Sewage Works. Scranton Publishing Co. Chicago, Ill.
- Water Pollution Control Federation Jour.—Journal Water Pollution Control Federation. Washington, D.C.
- Water Well Jour.—Water Well Journal. Water Well Journal Publishing Co. Urbana, Ill.
- Water Works and Wastes Eng.—Water Works and Wastes Engineering. Reuben H. Donnelley Corp. New York, N.Y.
- West Virginia Acad. Sci. Proc.—Proceedings of the West Virginia Academy of Science. West Virginia University. Morgantown, W. Va.
- West Virginia Geol. and Econ. Survey Ann. Rept.—West Virginia Geological and Economic Survey Annual Report. Morgantown, W. Va.
- West Virginia Geol. and Econ. Survey Bull.—West Virginia Geological and Economic Survey Bulletin. Morgantown, W. Va.
- West Virginia Geol. and Econ. Survey [Rept.].—West Virginia Geological and Economic Survey [Report]. Morgantown, W. Va.
- Wisconsin Blue Book—The Wisconsin Blue Book. Wisconsin Legislative Reference Bureau. Madison, Wis.
- Wisconsin Conserv. Bulletin—Wisconsin Conservation Bulletin. Wisconsin State Conservation Department. Madison, Wis.
- Wisconsin Univ. Dept. Meteorology Tech. Rept.—University of Wisconsin Department of Meteorology Technical Report. Madison, Wis.
- World Health Organization Mon. Ser.—World Health Organization Monograph Series. Geneva, Switzerland.
- Wyoming Univ. Contr. Geology—University of Wyoming Contributions to Geology. Laramie, Wyo.

BIBLIOGRAPHY

- 01055 **Abbott, D. C.** (and others). The chromatographic detection and determination of organo-chlorine herbicides in soil and water: *Analyst*, v. 89, no. 1060, p. 480-488, July 1964.
- 00083 **Abdel-Aziz, M. H.; Taylor, S. A.; Ashcroft, G. L.** Influence of advective energy on transpiration: *Agronomy Jour.*, v. 56, no. 2, p. 139-142, Mar.-Apr. 1964.
- 00735 **Abernathy, B. F.** Waterflood prediction methods compared to pilot performance in carbonate reservoirs: *Jour. Petroleum Technology*, v. 16, no. 3, p. 276-282, Mar. 1964.
- 00033 **Abraham, G.; Burgh, P. v. d.** Pneumatic reduction of salt intrusion through locks: *Am. Soc. Civil Engineers Proc. Paper 3759, Hydraulics Div. Jour.*, v. 90, no. HY 1, p. 83-119, Jan. 1964.
- 00795 **Abu-Zied, M. A.; Scott, V. H.; Aron, Gert.** Modified solutions for decreasing discharge wells: *Am. Soc. Civil Engineers Proc. Paper 4142, Hydraulics Div. Jour.*, v. 90, no. HY 6, p. 145-160, Nov. 1964.
- 00793 **Ackermann, N. L.; Sridurongkatum, Pachern.** Salt-water interface near a fresh-water canal: *Am. Soc. Civil Engineers Proc. Paper 4135, Hydraulics Div. Jour.*, v. 90, no. HY 6, p. 97-116, Nov. 1964.
- 00938 **Ackermann, N. L.; Niyomthai, Chaleo.** Development of a solid-liquid flow meter: *Am. Soc. Civil Engineers Proc. Paper 3829, Hydraulics Div. Jour.*, v. 90, no. HY 2, p. 121-139, Mar. 1964.
- 00101 **Ackermann, W. C.** Application of severe rainfall data in engineering design: *Am. Meteorol. Soc. Bull.*, v. 45, no. 4, p. 204-206, Apr. 1964.
- 00772 **Ackers, Peter.** Experiments on small streams in alluvium: *Am. Soc. Civil Engineers Proc. Paper 3959, Hydraulics Div. Jour.*, v. 90, no. HY 4, p. 1-37, July 1964.
- Acosta, A. J.** See Sabersky, R. H. 02026
- Adams, Henry, III.** See Mather, J. R. 01920
- 01347 **Adams, J. A. S.; Lowder, W. M.** (editors). The natural radiation environment: Houston, Tex., William Marsh Rice Univ., 1069 p., 1964.
- 01612 **Adams, J. E.; Hanks, R. J.** Evaporation from soil shrinkage cracks: *Soil Sci. Soc. America Proc.*, v. 28, no. 2, p. 281-284, Mar.-Apr. 1964.
- 00125 **Adams, J. K.; Boggess, D. H.; Davis, C. F.** Water-table, surface-drainage, and engineering soils map of the Dover quadrangle, Delaware: *U.S. Geol. Survey Hydrol. Inv. Atlas HA-139*, one sheet, 1964. [Jan. 1965.]
- 00580 **Adams, J. K.; Boggess, D. H.** Water-table, surface-drainage, and engineering soils map of the Wilmington area, Delaware: *U.S. Geol. Survey Hydrol. Inv. Atlas HA-79*, one sheet, Apr. 1964.

- 00581 **Adams, J. K.; Boggess, D. H.** Water-table, surface-drainage, and engineering soils map of the Taylors Bridge area, Delaware: U.S. Geol. Survey Hydrol. Inv. Atlas HA-80, one sheet, Mar. 1964.
- Adams, J. K.** *See* Boggess, D. H. 00582
- Adams, J. K.** *See* Boggess, D. H. 00583
- 00584 **Adams, J. K.; Boggess, D. H.; Coskery, O. J.** Water-table, surface-drainage, and engineering soils map of the Clayton area, Delaware: U.S. Geol. Survey Hydrol. Inv. Atlas HA-83, one sheet, July 1964.
- 00585 **Adams, J. K.; Boggess, D. H.** Water-table, surface-drainage, and engineering soils map of the Sharptown area, Delaware: U.S. Geol. Survey Hydrol. Inv. Atlas HA-84, one sheet, Dec. 1964.
- Adams, J. K.** *See* Boggess, D. H. 00595
- 00596 **Adams, J. K.; Boggess, D. H.** Water-table, surface-drainage, and engineering soils map of the Hickman area, Delaware: U.S. Geol. Survey Hydrol. Inv. Atlas HA-100, one sheet, Aug. 1964.
- 00597 **Adams, J. K.; Boggess, D. H.** Water-table, surface-drainage, and engineering soils map of the Ellendale quadrangle, Delaware: U.S. Geol. Survey Hydrol. Inv. Atlas HA-101, one sheet, July 1964.
- Adams, J. K.** *See* Boggess, D. H. 00598
- 00599 **Adams, J. K.; Boggess, D. H.; Davis, C. F.** Water-table, surface-drainage, and engineering soils map of the Lewes area, Delaware: U.S. Geol. Survey Hydrol. Inv. Atlas HA-103, one sheet, July 1964.
- Adams, J. K.** *See* Boggess, D. H. 00600
- 00601 **Adams, J. K.; Boggess, D. H.; Coskery, O. J.** Water-table, surface-drainage, and engineering soils map of the Seaford East quadrangle, Delaware: U.S. Geol. Survey Hydrol. Inv. Atlas HA-106, one sheet, Aug. 1964.
- Adams, J. K.** *See* Boggess, D. H. 00602
- 00603 **Adams, J. K.; Boggess, D. H.** Water-table, surface-drainage, and engineering soils map of the Harbeson quadrangle, Delaware: U.S. Geol. Survey Hydrol. Inv. Atlas HA-108, one sheet, Nov. 1964.
- Adams, J. K.** *See* Boggess, D. H. 00604
- 00611 **Adams, J. K.; Boggess, D. H.; Coskery, O. J.** Water-table, surface-drainage, and engineering soils map of the Frankford area, Delaware: U.S. Geol. Survey Hydrol. Inv. Atlas HA-119, one sheet, 1964. [Jan. 1965.]
- 00612 **Adams, J. K.; Boggess, D. H.** Water-table, surface-drainage, and engineering soils map of the Trap Pond area, Delaware: U.S. Geol. Survey Hydrol. Inv. Atlas HA-120, one sheet, Dec. 1964.
- Adams, J. K.** *See* Boggess, D. H. 00613
- Adams, J. K.** *See* Boggess, D. H. 00614
- 01337 **Adams, P. C.; Meyer, H. E.** Environmental monitoring semi-annual report—January through June, 1964 [Mound Laboratory, Miamisburg, Ohio]: U.S. Atomic Energy Comm. Research and Devel. Rept. MLM-1210, 16 p., Sept. 1964.
- 00943 **Adams, T. C.** Salt migration to the northwest body of Great Salt Lake, Utah: Science, v. 143, no. 3610, p. 1027-1029, Mar. 1964.

- 00405 **Adey, E. A.; Cook, H. M.** Suspended-sediment load of Texas streams—compilation report, October 1959–September 1961: Texas Water Comm. Bull. 6410, 49 p., Nov. 1964.
- 00817 **Adolphson, D. G.; Ellis, M. J.** Basic hydrogeologic data, Skunk Creek–Lake Madison drainage basin, South Dakota: South Dakota Geol. Survey Water Resources Rept. 3, 68 p., 1964.
- Agee, J. L.** See Towne, W. W. 00440
- 01428 **Agnew, A. F.** Centers (institutes) of water resources research: Water-Well Jour., v. 18, no. 11, p. 28, 39, Nov. 1964.
- 03020 **Agnew, A. F.** Water—the first of things: Review, v. 6, no. 3, p. 13–24, May 15, 1964.
- 00562 **Akers, J. P.** Geology and ground water in the central part of Apache County, Arizona: U.S. Geol. Survey Water-Supply Paper 1771, 107 p., 1964. [Mar. 1965.]
- Akers, J. P.** See Cooley, M. E. 01484
- Akin, P. D.** See Paulson, Q. F. 01119
- 01642 **Albert, C. D.** Brine in surface water of the Little Arkansas River basin, Kansas: Kansas Dept. Health Environmental Health Services Bull. 1–5, 15 p., Oct. 1964.
- 01511 **Albertson, M. L.; Simons, D. B.** Fluid mechanics, sec. 7, in Chow, V. T., ed., Handbook of applied hydrology: New York, McGraw-Hill, p. 7–1 to 7–49, 1964.
- 00849 **Albin, D. R.** Geology and ground-water resources of Bradley, Calhoun, and Ouachita Counties, Arkansas: U.S. Geol. Survey Water-Supply Paper 1779–G, p. G1–G32, June 1964.
- 00828 **Alexander, W. H., Jr.; Myers, B. N.; Dale, O. C.** Reconnaissance investigation of the ground-water resources of the Guadalupe, San Antonio, and Nueces River basins, Texas: Texas Water Comm. Bull. 6409, 106 p., Aug. 1964.
- Ali, Iqbal.** See Banks, R. B. 00783
- 01473 **Allen, E. J.** Watershed management and reservoir use—function of the purveyor: Am. Water Works Assoc. Jour., v. 56, no. 2, p. 159–163, Feb. 1964.
- 00126 **Allen, H. E.; May, V. J.** Floods in Lombard quadrangle, Illinois: U.S. Geol. Survey Hydrol. Inv. Atlas HA–143, one sheet, Dec. 1964.
- Allen, H. E.** See Ellis, D. W. 00586
- Allen, H. E.** See Ellis, D. W. 00587
- 00588 **Allen, H. E.; Ellis, D. W.; Long, D. E.** Floods in Palatine quadrangle, Illinois: U.S. Geol. Survey Hydrol. Inv. Atlas HA–87, one sheet, Mar. 1964.
- 00590 **Allen, H. E.; Wyerman, T. A.** Floods in Joliet quadrangle, Illinois: U.S. Geol. Survey Hydrol. Inv. Atlas HA–89, one sheet, Aug. 1964.
- 00591 **Allen, H. E.; May, V. J.** Floods in Harvey quadrangle, Illinois: U.S. Geol. Survey Hydrol. Inv. Atlas HA–90, one sheet, Nov. 1964.
- 01000 **Allen, H. E.** Chemical characteristics of south-central Lake Huron, in Conference on Great Lakes Research, 7th, Toronto, Canada, 1964, Proceedings: Michigan Univ. Great Lakes Research Div. Pub. 11, p. 45–53, 1964.
- 00276 **Allen, J. R. L.** Studies in fluvial sedimentation; six cyclothems from the lower old red sandstone, Anglo-Welsh basin: Sedimentology, v. 3, no. 3, p. 163–198, Sept. 1964.

- Allen, J. R. L. *See* McMullen, R. M. 00390
- 00448 Allen, M. M.; Fitzgerald, G. P.; Rohlich, G. A. The effect of dilution media on the BOD of algae: *Water Pollution Control Federation Jour.*, v. 36, no. 8, p. 1049-1056, Aug. 1964.
- 02125 Allen, V. J. Report of the Soil Conservation Service, U.S. Department of Agriculture, in Nevada Water Conference, 18th, Carson City, 1964. Proceedings: Carson City, Nevada Dept. Conserv. and Nat. Resources, p. 92-95, 1964.
- 01466 Allis, J. A.; Duagoun, F. J.; Shoup, A. L. Transmission losses of loessial watersheds: *Am. Soc. Agr. Engineers Trans. (Gen. Ed.)*, v. 7, no. 3, p. 209-212, 217, Nov. 1964.
- 03036 Allison, L. E. Salinity in relation to irrigation, in Norman, A. G., ed., *Advances in agronomy*, volume 16: New York, Academic Press, p. 139-180, 1964.
- 01050 Alon, A.; Bernas, B.; Frenkel, M. The determination of silica by Conway's microdiffusion technique: *Anal. Chim. Acta*, v. 31, no. 3, p. 279-284, Sept. 1964.
- Alsbaugh, A. E. *See* Jackson, G. L. 02205
- 02089 Altar, A. J. A plan for water management in Alaska, in Dahlgren, George, ed., *Science in Alaska, 1963*: *Am. Assoc. Adv. Sci. Alaskan Sci. Conf.*, 14th, Anchorage, 1963, Proc., p. 126-134, Jan. 1964.
- Altschaeff, A. G. *See* Harrison, W. 00475
- Aly, O. M. *See* Faust, S. D. 00060
- Ambühl, H. *See* Jaag, O. 02204
- 01851 American Bar Association. [Subcommittee report]. American Bar Association review of developments in water utility law, 1962-63: *Am. Water Works Assoc. Jour.*, v. 56, no. 1, p. 23-36, Jan. 1964.
- 00246 American Chemical Society. Kendall Award Symposium on behavior of surfactants at interfaces and in solution, Philadelphia, Pa., Apr. 6-8, 1964 [Papers]: *Jour. Phys. Chemistry*, v. 68, no. 12, p. 3441-3624, Dec. 1964.
- 01861 American Forestry Association. A conservation platform for American forests, Part 2-B—The conservation of water: *Am. Forests*, v. 70, no. 2, p. 5-7, Feb. 1964.
- 00180 American Soc. Testing and Materials. Symposium on soil exploration, American Society for Testing and Materials, 66th annual meeting, Atlantic City, N. J., 1963 [Papers]: *Am. Soc. Testing and Materials Spec. Tech. Pub.* 351, 155 p., 1964.
- 00784 American Society of Civil Engineers. (Committee on Hydrometeorology). Use of neutron meters in soil moisture measurement—progress report of Task Force on Use of Neutron Meters: *Am. Soc. Civil Engineers Proc. Paper* 4123, *Hydraulics Div. Jour.*, v. 90, no. HY 6, p. 21-43, Nov. 1964.
- 01468 American Society of Civil Engineers. Irrigation and drainage research conference—report of the Research Committee: *Am. Soc. Civil Engineers Proc.*, *Irrig. and Drainage Div. Jour.*, v. 90, no. IR 4, pt. 1, p. 1-106, Dec. 1964.
- 01471 American Water Works Association. Status of fluoridation in the United States and Canada; 1962—Report of task group 2620 P—Fluoridation materials and methods: *Am. Water Works Assoc. Jour.*, v. 56, no. 1, p. 111-120, Jan. 1964.
- Amerman, C. R. *See* Dreibelbis, F. R. 00724
- 00094 Amorocho, J.; Hart, W. E. A critique of current methods in hydrological systems investigation: *Am. Geophys. Union Trans.*, v. 45, no. 2, p. 307-321, June 1964.

- 01461 **Anderson, C. P.** Why we need the land and water conservation bill: *Am. Forests*, v. 70, no. 3, p. 25-27, 50-53, Mar. 1964.
- 02088 **Anderson, D. V.** A lake as a rain gauge: *Internat. Assoc. Sci. Hydrology Bull.*, v. 9, no. 3, p. 31-34, Sept. 1964.
- Anderson, G. C.** See Sylvester, R. O. 02090
- 02139 **Anderson, H. W.** Some California hydrologic problems and solutions hydrology study tour, XIII General Assembly, I.U.G.G.: *Internat. Assoc. Sci. Hydrology Bull.*, v. 9, no. 2, p. 5-18, June 1964.
- 00488 **Anderson, J. B.; Breidenbach, A. W.** Status and projection of aquatic biology and chemical pollution, *in* Water quality and chemicals—industrial and agricultural: Water for Texas Conf., 9th, College Station, Tex., 1964, Proc., p. 37-40, 1964.
- Anderson, P. W.** See Rima, D. R. 00894
- Anderson, R. J.** See Weibel, S. R. 00444
- 00749 **Anderson, W. L.; Riddle, G. A.** Acoustic amplitude ratio logging: *Jour. Petroleum Technology*, v. 16, no. 11, p. 1243-1248, Nov. 1964.
- Anderson, Warren.** See Lichtler, W. F. 01749
- 02106 **Andrews, D. W. W.** A sensitive method for determining nitrate in water with 2,6-xyleneol: *Analyst*, v. 89, no. 1064, p. 730-734, Nov. 1964.
- Andrews, M. B.** See Keysor, J. W. 00920
- 01453 **Angino, E. E.; Armitage, K. B.; Tash, J. C.** Physicochemical limnology of Lake Bonney, Antarctica: *Limnology and Oceanography*, v. 9, no. 2, p. 207-217, Apr. 1964.
- 00366 **Anraku, Masateru.** Influence of the Cape Cod Canal on the hydrography and on the copepods in Buzzards Bay and Cape Cod Bay, Massachusetts, [Part] 1 — Hydrography and distribution of copepods: *Limnology and Oceanography*, v. 9, no. 1, p. 46-60, Jan. 1964.
- 00364 **Anthony, E. H.; Hayes, F. R.** Lake water and sediment, [Part] 7 — Chemical and optical properties of water in relation to the bacterial counts in the sediments of twenty-five North American lakes: *Limnology and Oceanography*, v. 9, no. 1, p. 35-41, Jan. 1964.
- Apmann, R. P.** See Parsons, D. A. 01359
- 01904 **Apmann, R. P.** A case history in theory and experiment—fluid flow in bends: *Isis*, v. 55, pt. 4, no. 182, p. 427-434, Dec. 1964. [Mar. 1965.]
- 01739 **Apollov, B. A.; Kalinin, G. P.; Komarov, V. D.** Hydrological forecasting: Jerusalem, Israel, Israel Program Sci. Translations, 338 p., 1964. (Translated from Russian. Available from the U.S. Department of Commerce, Office of Technical Services, Washington, D.C.)
- 01495 **Applin, E. R.; Applin, P. L.** Logs of selected wells in the Coastal Plain of Georgia: *Georgia Geol. Survey Bull.* 74, 229 p., 1964.
- Applin, P. L.** See Applin, E. R. 01495
- Archer, R. J.** See LaSala, A. M., Jr. 00906
- 00868 **Arizona Water Resources Committee.** (and Arizona State Land Department). Wealth from watersheds, Arizona Watershed Symposium, 8th annual meeting, Tempe, Sept. 23, 1964, Proceedings: 52 p., 1964.

- 01624 **Armbrust, D. V.; Chepil, W. S.; Siddoway, F. H.** Effects of ridges on erosion of soil by wind: *Soil Sci. Soc. America Proc.*, v. 28, no. 4, p. 557-560, July-Aug. 1964.
- Armitage, K. B.** *See* Angino, E. E. 01453
- 01596 **Arnold, A. B.** Relief wells on the Garrison Dam and Snake Creek embankment, North Dakota: *Geol. Soc. America Eng. Geology Case Histories* 5, p. 45-52, 1964.
- Arnold, C. B.** *See* Hightower, R. C. 01277
- Arnold, J. R.** *See* Lal, D. 01097
- 01488 **Arnold, K. C.; Mackay, D. K.** Different methods of calculating mean daily temperatures, their effect on degree-day totals in the high Arctic and their significance to glaciology: *Canada Dept. Mines and Tech. Surveys Geog. Br. Geog. Bull.* 21, p. 123-129, 1964.
- 00426 **Arnow, Ted.** (and others). Developing a State water plan—ground-water conditions in Utah, spring of 1964: *Utah Water and Power Board Coop. Inv. Rept.* 2, 104 p., Nov. 1964.
- Arnow, Ted.** *See* Wilson, M. T. 00840
- Arnow, Ted.** *See* Bogart, D. B. 01367
- 02087 **Arnow, Ted.; Langford, R. H.; Wilson, M. T.** Developing a State water plan—a basic water-resource data program for Utah: *Utah Water and Power Board Coop. Inv. Rept.* 1, 23 p., Oct. 1964.
- Aron, Gert.** *See* Abu-Zied, M. A. 00795
- 01258 **Arthur, R. S.** The equations of continuity for seawater and river water in estuaries: *Jour. Marine Research*, v. 22, no. 2, p. 197-202, May 1964.
- Ashcroft, G. L.** *See* Abdel-Aziz, M. H. 00083
- Ashe, G. W. T.** *See* Ince, Simon. 00876
- 01398 **Ashe, H. J.** California crops being damaged by lithium: *Water Well Jour.*, v. 18, no. 8, p. 40, Aug. 1964.
- Ashley, D. A.** *See* Doss, B. D. 00294
- Aten, R. E.** *See* Bergstrom, R. E. 00355
- Atherton, M. J.** *See* Underhill, H. W. 01354
- 01672 **Atkins, C. H.** USPHS activities and the water industry: *Am. Water Works Assoc. Jour.*, v. 56, no. 10, p. 1290-1296, Oct. 1964.
- 01850 **Atkins, C. H.** Federal role in water quality control in the United States: *Am. Water Works Assoc. Jour.*, v. 56, no. 1, p. 37-42, Jan. 1964.
- 00081 **Aubertin, G. M.; Gorsline, G. W.** Effect of fatty alcohol on evaporation and transpiration: *Agronomy Jour.*, v. 56, no. 1, p. 50-52, Jan.-Feb. 1964.
- 01951 **Auerbach, S. I.** Radiation ecology, part 2 of Oak Ridge National Laboratory, Health Physics Division annual progress report for period ending July 31, 1964: *U.S. Natl. Lab., Oak Ridge, Tenn. [Pub.] ORNL- 3697*, p. 65-109, Oct. 1964.
- 01300 **Australian Academy of Science.** Water resources, use and management—National Symposium, Canberra, September 9-13, 1963, Proceedings: New York, Cambridge Univ. Press, 529 p., 1964.

- Avery, D. E. *See* Laevastu, Taivo. 01496
- 00296 Avnimelech, Y.; Nevo, Z. Biological clogging of sands: *Soil Sci.*, v. 98, no. 4, p. 222-226, Oct. 1964.
- 00088 Avrett, J. R.; Carroon, L. E. Temperature of Alabama streams: *Alabama Geol. Survey Inf. Ser.* 35, 165 p., 1964.
- 00197 Ayers, H. D. Engineering problems in the exploitation of organic terrain for agricultural reclamation, *in* MacFarlane, I. C., and Butler, J., eds., *Muskeg Research Conference*, 9th, Quebec, 1963, *Proceedings*: Canada Natl. Research Council, Associate Comm. Soil and Snow Mechanics Tech. Memo. 81, p. 244-253, Apr. 1964.
- Ayers, J. C. *See* Zumberge, J. H. 02052
- 01647 Baalsrud, K.; Hendriksen, A. Measurement of suspended matter in stream water: *Am. Water Works Assoc. Jour.*, v. 56, no. 9, p. 1194-1200, Sept. 1964.
- Babushkin, V. D. *See* Goldberg, V. M. 00370
- 00716 Bachmat, Y.; Bear, Jacob. The general equations of hydrodynamic dispersion in homogeneous, isotropic, porous mediums: *Jour. Geophys. Research*, v. 69, no. 12, p. 2561-2567, June 15, 1964.
- Back, William. *See* Barnes, Ivan. 01567
- Back, William. *See* Barnes, Ivan. 01970
- 01767 Bagley, J. M.; Jeppson, R. W.; Milligan, C. H. Water yields in Utah—developing a State water plan: *Utah State Univ. Agr. Expt. Sta. Spec. Rept.* 18, 65 p., Sept. 1964.
- Bailey, J. G. *See* Toombs, G. L. 01929
- Bainbridge, A. E. *See* Östlund, H. G. 01959
- 01843 Baird, R. W. Sediment yields from Blackland watersheds: *Am. Soc. Agr. Engineers Trans. (Gen. Ed.)*, v. 7, no. 4, p. 454-456, Dec. 1964.
- 00826 Baker, E. T., Jr. Geology and ground-water resources of Hardin County, Texas: *Texas Water Comm. Bull.* 6406, 179 p., June 1964.
- 00546 Baker, J. A. Ground-water resources of the Lowell area, Massachusetts: *U.S. Geol. Survey Water-Supply Paper* 1669-Y, p. Y1-Y37, May 1964.
- 00548 Baker, J. A.; Healy, H. G.; Hackett, O. M. Geology and ground-water conditions in the Wilmington-Reading area, Massachusetts: *U.S. Geol. Survey Water-Supply Paper* 1694, 80 p., Sept. 1964.
- Baker, J. A. *See* Cushman, R. V. 01867
- 00534 Baker, R. C.; Dale, O. C. Ground-water resources of the Lower Rio Grande Valley area, Texas: *U.S. Geol. Survey Water-Supply Paper* 1653, 56 p., July 1964.
- 00547 Baker, R. C.; Hughes, L. S.; Yost, I. D. Natural sources of salinity in the Brazos River, Texas, with particular reference to the Croton and Salt Croton Creek basins: *U.S. Geol. Survey Water-Supply Paper* 1669-CC, p. CC1-CC81, Oct. 1964.
- 00833 Baker, R. C.; Brown, J. B. Annotated bibliography of ground-water publications and open-file reports of the Texas Water Commission and the U.S. Geological Survey for Texas through August 1963: *Texas Water Comm. Circ.* 64-02, 87 p., Dec. 1964.
- 02112 Baker, W. M. Disposal well completion and maintenance, *in* *Industrial Waste Conference*, 18th, Lafayette, Indiana, 1963, *Proceedings*: *Purdue Univ. Eng. Ext.*

- Ser. 115, p. 66-73, 1964. (Also published in *Water and Sewage Works—Reference No.*, v. 111, p. R287-R291, Nov. 30, 1964.)
- Baldwin, L. V.** See Cermak, J. E. 00208
- Baleigh, A.** See Saad, K. F. 01659
- Baleigh, A.** See Saad, K. F. 01758
- 01758 **Balek, Jaroslav; Holeccek, Jiri.** Determination of drought characteristics based on duration curves: *Internat. Assoc. Sci. Hydrology Pub.* 63, p. 193-159, 1964.
- Ball, R. C.** See King, D. L. 00443
- 00220 **Ballance, P. F.** Streaked out mud ripples below Miocene turbidites, Puriri formation, New Zealand: *Jour. Sed. Petrology*, v. 34, no. 1, p. 91-101, Mar. 1964.
- 01128 **Balster, C. A.** Evolution, identification and delineation of some landform types: *Soc. Am. Foresters and Oregon State Univ. School of Forestry, Forest Watershed Management Symposium, Corvallis, Oreg., 1963, Proc.*, p. 163-178, 1953.
- 01819 **Bandy, O. L.; Ingle, J. C., Jr.; Resig, J. M.** Foraminiferal trends, Laguna Beach outfall area, California: *Limnology and Oceanography*, v. 9, no. 1, p. 112-123, Jan. 1964.
- 01894 **Bandy, O. L.; Ingle, J. C., Jr.; Resig, J. M.** Foraminifera, Los Angeles County outfall area, California: *Limnology and Oceanography*, v. 9, no. 1, p. 124-137, Jan. 1964.
- 01766 **Banerji, S.; Chabra, B. M.** Drought characteristics and estimating probabilities of their occurrence: *Internat. Assoc. Sci. Hydrology Pub.* 63, p. 189-152, 1964.
- 00783 **Banks, R. B.; Ali, Iqbal.** Dispersion and adsorption in porous media flow: *Am. Soc. Civil Engineers Proc. Paper 4022, Hydraulics Div. Jour.*, v. 90, no. HY 5, p. 13-31, Sept. 1964.
- 00882 **Bardach, John.** Downstream—a natural history of the river: New York, Harper and Row, 278 p., 1964.
- 00550 **Barker, F. B.; Johnson, J. O.** Determination of radium in water: *U.S. Geol. Survey Water-Supply Paper 1696-B*, p. B1-B29, June 1964.
- Barksdale, R. G.** See Laymon, L. L. 01116
- Barnes, H. H., Jr.** See Kilpatrick, F. A. 00134
- 01936 **Barnes, Harold.** (editor). *Oceanography and marine biology—an annual review*, volume 2: New York, Hafner Publishing Co., 548 p., 1964.
- 00508 **Barnes, Ivan; Clarke, F. E.** Geochemistry of ground water in mine drainage problems: *U.S. Geol. Survey Prof. Paper 473-A*, p. A1-A6, Jan. 1964.
- 00509 **Barnes, Ivan; Stuart, W. T.; Fisher, D. W.** Field investigation of mine waters in the northern anthracite field, Pennsylvania: *U.S. Geol. Survey Prof. Paper 473-B*, p. B1-B8, Feb. 1964.
- 00517 **Barnes, Ivan.** Field measurement of alkalinity and pH: *U.S. Geol. Survey Water-Supply Paper 1525-H*, p. H1-H17, Jan. 1964.
- 01567 **Barnes, Ivan; Back, William.** Geochemistry of iron-rich ground water of southern Maryland: *Jour. Geology*, v. 72, no. 4, p. 435-447, July 1964.
- 01970 **Barnes, Ivan; Back, William.** Dolomite solubility in ground water, Art. 160 in *Short papers in geology and hydrology*: *U.S. Geol. Survey Prof. Paper 475-D*, p. D179-D180, Mar. 1964.

- 01272 **Barnes, S. M.** Analysis of precipitation at Huntington Lake: Am. Soc. Civil Engineers Proc. Paper 3839, Irrig. and Drainage Div. Jour., v. 90, no. 1R 1, p. 77-85, Mar. 1964.
- Barnett, A. P.** See Rogers, J. S. 01802
- Barthel, J.** See Krombach, H. 02212
- 01060 **Bartlet, J. C.; Monkman, J. L.** Summary of results of the collaborative tests on the rhodamine B colorimetric method for antimony: Assoc. Official Agr. Chemists Jour., v. 47, no. 4, p. 630-632, Aug. 1964.
- 00888 **Barton, Manes.** Report of the Soil Conservation Service, Cooperative Snow Survey, U.S. Department of Agriculture, in Nevada Water Conference, 18th, Carson City, 1964, Proceedings: Carson City, Nevada Dept. Conserv. and Nat. Resources, p. 96-98, 1964.
- Bassarab, D. R.** See Carpenter, G. C. 02168
- 01271 **Bassett, D. C.; Hansen, V. E.** The discharge coefficient in the coordinate equation for measuring water flow from horizontal pipes: Am. Soc. Agr. Engineers Trans. (Gen. Ed.), v. 7, no. 3, p. 207-208, Nov. 1964.
- Bassett, D. L.** See Collins, D. L. 00121
- Batchelder, A. R.** See Lunin, J. 01623
- 01939 **Batisse, Michel.** The International Hydrological Decade—a world-wide programme of scientific research: UNESCO Courier, p. 5-9, July-Aug. 1964.
- 01083 **Batz, M. E.** Deep well disposal of nylon waste water: Chem. Eng. Prog., v. 60, no. 10, p. 85-88, Oct. 1964.
- 01103 **Bauer, A.; Lorius, C.** The polar ice-caps: Impact Sci. Soc., v. 14, no. 4, p. 223-238, 1964.
- 00051 **Bauer, K. W.** Surveying and mapping for water-resource planning: Am. Soc. Civil Engineers Proc. Paper 3855, Surveying and Mapping Div. Jour., v. 90, no. SU 1, p. 1-15, Apr. 1964.
- 00061 **Baumann, E. R.; Oulman, C. S.** Modified form of diatomite filtration equation: Am. Water Works Assoc. Jour., v. 56, no. 3, p. 330-332, Mar. 1964.
- 00191 **Baumli, G. R.; Kennedy, D. N.** North Coastal area investigation: California Dept. Water Resources Bull. 136, 160 p., Sept. 1964. (App. A-C published separately.)
- 01635 **Baxter, S. S.** Determination of stream use: Am. Water Works Assoc. Jour., v. 56, no. 10, p. 1285-1289, Oct. 1964.
- 00406 **Bayha, D. C.** Occurrence and quality of ground water in Stephens County, Texas: Texas Water Comm. Bull. 6412, 74 p.; App., A1-A14; Sept. 1964.
- 02157 **Bays, C. A.** Ground water and underground gas storage: Ground Water, v. 2, no. 4, p. 25-32, Oct. 1964.
- Bear, J.** See Harpaz, Y. 01349
- 00371 **Bear, Jacob; Dagan, Gedeon.** Intercepting fresh water above the interface in a coastal aquifer—analytic and laboratory investigations: Internat. Assoc. Sci. Hydrology Pub. 64, p. 154-181, 1964.
- 00711 **Bear, Jacob; Dagan, Gedeon.** Some exact solutions of interface problems by means of the hodograph method: Jour. Geophys. Research, v. 69, no. 8, p. 1563-1572, Apr. 15, 1964.

- Bear, Jacob.** *See* Bachmat, Y. 00716
- 00781 **Bear, Jacob; Dagan, Gedeon.** Moving interface in coastal aquifers: *Am. Soc. Civil Engineers Proc. Paper 3988, Hydraulics Div. Jour.*, v. 90, no. HY 4, p. 193-216, July 1964.
- 01765 **Beard, L. R.** Estimating long-term storage requirements and firm yield of rivers: *Internat. Assoc. Sci. Hydrology Pub.* 63, p. 151-166, 1964.
- Beardon, P.** *See* Talbot, J. S. 01134
- 00889 **Beaumont, R. T.** Report of the Soil Conservation Service, Remote Snow Sensor, U.S. Department of Agriculture, *in* Nevada Water Conference, 18th, Carson City, 1964, Proceedings: Carson City, Nevada Dept. Conserv. and Nat. Resources, p. 99-101, 1964.
- Becker, Edith.** *See* Durfor, C. N. 00128
- Becker, Edith.** *See* Durfor, C. N. 02191
- Becker, Edith.** *See* Durfor, C. N. 02192
- Beckman, R. T.** *See* Gilkey, M. M. 00412
- 01282 **Bedeus, K.; Ivicsics, L.** Observation of the noise of bed load: *Internat. Assoc. Sci. Hydrology Pub.* 65, p. 384-390, 1964.
- 00543 **Bedinger, M. S.; Jeffery, H. G.** Ground water in the lower Arkansas River valley, Arkansas: U.S. Geol. Survey Water-Supply Paper 1669-V, p. V1-V17, Mar. 1964.
- 01971 **Bedinger, M. S.; Reed, J. E.** Computing stream-induced ground-water fluctuation, *in* Geological Survey Research 1964, Chapter B: U.S. Geol. Survey Prof. Paper 501-B, p. B177-B180, June 1964.
- Beeton, A. M.** *See* Marshall, J. S. 01311
- 01695 **Bell, J. R.** Mechanics of mass soil movement: *Soc. Am. Foresters and Oregon State Univ. School of Forestry, Forest Watershed Management Symposium, Corvallis, Oreg., 1963, Proc.*, p. 141-162, 1963.
- 01410 **Belt, R. M.** An oceanographic study of sewage discharge into Kailua (Hawaii) Bay: *Water and Sewage Works*, v. 111, no. 8, p. 368-373, Aug. 1964.
- 01607 **Bendetsen, K. R.** Commentary ... Jobs and clean water: *Indus. Water Eng.*, v. 1, no. 6, p. 20-21, 35, Nov.-Dec. 1964.
- 00975 **Benedetti, A. J.** Watersheds and recreational land use in the Pacific Northwest: *Am. Water Works Assoc. Jour.*, v. 56, no. 11, p. 1467-1473, Nov. 1964.
- 01848 **Bennett, N. C.; McClurkin, D. C.** Water stage recorder wells protected from freezing by homemade candles: *Agr. Eng.*, v. 45, no. 6, p. 330, June 1964.
- Bennett, O. L.** *See* Doss, B. D. 00294
- 01458 **Bennett, O. L.** (and others). Effects of soil moisture regime on yield nutrient content, and evapotranspiration for three annual forage species: *Agronomy Jour.*, v. 56, no. 2, p. 195-198, Mar.-Apr. 1964.
- Benseman, R. F.** *See* Shirtcliffe, T. G. L. 00721
- 00520 **Benson, M. A.** Factors affecting the occurrence of floods in the Southwest: U.S. Geol. Survey Water-Supply Paper 1580-D, p. D1-D72, June 1964.

- 01014 **Benz, L. C.** (and others). Microrelief influences in a saline area of ancient glacial Lake Agassiz, Part 2 — On shallow ground water: *Soil Sci. Soc. America Proc.*, v. 28, no. 4, p. 567-570, July-Aug. 1964.
- Benz, L. C.** See Sandoval, F. M. 01611
- 00902 **Bergen, J. D.; Swanson, R. H.** Evaporation from a winter snow cover in the Rocky Mountain forest zone: *Western Snow Conf.*, 32d, Nelson, British Columbia, 1964, *Proc.*, p. 52-58, 1964.
- 00355 **Bergstrom, R. E.; Aten, R. E.** Natural recharge and localization of fresh ground water in Kuwait: *Jour. Hydrology [Amsterdam]*, v. 2, no. 3, p. 213-231, 1964. [Mar. 1965.]
- 02085 **Berkstresser, C. F., Jr.** Ground-water resources of Waupaca County, Wisconsin: U.S. Geol. Survey Water-Supply Paper 1669-U, p. U1-U38, May 1964.
- Bernas, B.** See Alon, A. 01050
- 01493 **Bernhart, A. P.** Waste water units for individual buildings and houses: *Eng. Jour.*, v. 47, no. 7, p. 19-25, July 1964.
- 00649 **Bertrand, A. R.; Woodburn, Russell.** A fresh look at gully erosion in the South: *Jour. Soil and Water Conserv.*, v. 19, no. 5, p. 173-175, Sept.-Oct. 1964.
- 01299 **Berwick, V. K.; Childers, J. M.; Kuentzel, M. A.** Magnitude and frequency of floods in Alaska south of the Yukon River: *U.S. Geol. Survey Circ.* 493, 15 p., 1964. [Mar. 1965.]
- 01341 **Bessey, R. F.** The public issues of middle Snake River development: *Washington [State] Div. Power Resources Bull.* 9, 138 p., 1964.
- 00709 **Betson, R. P.** What is watershed runoff?: *Jour. Geophys. Research*, v. 69, no. 8, p. 1541-1552, Apr. 15, 1964.
- 01603 **Beuscher, J. H.** Water use and the law: *Indus. Water Eng.*, v. 1, no. 3, p. 16-18, May-June 1964.
- 00794 **Beverage, J. P.; Culbertson, J. K.** Hyperconcentrations of suspended sediment: *Am. Soc. Civil Engineers Proc. Paper* 4136, *Hydraulics Div. Jour.*, v. 90, no. HY 6, p. 117-128, Nov. 1964.
- Beverage, J. P.** See Nordin, C. F., Jr. 01964
- 01678 **Beveridge, T. R.** Ninth biennial report of the Missouri Division of Geological Survey and Water Resources: *Rolla, Missouri Div. Geol. Survey and Water Resources*, 44 p., 1964.
- 03035 **Bhatti, A. K.** Study of rainfall and irrigation as affecting equilibrium of subsoil water levels in Rechna Doab, [part] I: *Internat. Assoc. Sci. Hydrology Pub.* 64, p. 531-542, 1964.
- 01467 **Bianchi, W. C.; Haskell, E. E., Jr.** Field measurement of soil-water movement during artificial ground-water recharge: *Am. Soc. Agr. Engineers Trans. (Gen. Ed.)*, v. 7, no. 3, p. 341-343, Nov. 1964.
- 01334 **Bicker, A. R., Jr.; Mellen, F. F.** Well logging by Mississippi Geological Survey, in *Mississippi geologic research papers—1964: Mississippi Geol. Econ. and Topog. Survey Bull.* 104, p. 111-124, 1964.
- 00314 **Bierschenk, W. H.** Determining well efficiency by multiple step-drawdown tests: *Internat. Assoc. Sci. Hydrology Pub.* 64, p. 493-507, 1964.
- 02156 **Bierschenk, W. H.** Geohydrological and geophysical investigations near Izmir, Turkey: *Ground Water*, v. 2, no. 4, p. 18-24, Oct. 1964.

- 01157 **Biggar, J. W.; Nielsen, D. R.** Chloride-36 diffusion during stable and unstable flow through glass beads: *Soil Sci. Soc. America Proc.*, v. 28, no. 5, p. 591-595, Sept.-Oct. 1964.
- Biggs, J. A.** See Crutchfield, J. A. 00454
- 02176 **Bilello, M. A.** Method for predicting river and lake ice formation: *Jour. Appl. Meteorology*, v. 3, no. 1, p. 38-44, Feb. 1964.
- 01605 **Billings, R. M.** The new river: *Indus. Water Eng.*, v. 1, no. 5, p. 28-31, Sept.-Oct. 1964.
- 00878 **Bindon, H. H.** The design of snow samplers for Canadian snow surveys: *Eastern Snow Conf.*, 21st, Utica, N. Y., 1964, *Proc.*, p. 23-38, 1964.
- 02177 **Bingham, J. R.** Rehabilitation of small water projects, *in* Water—development, utilization, conservation: *Western Resources Conf.*, 5th, Colorado State Univ., 1963, *Western Resources Papers*, Boulder, Univ. Colorado Press, p. 135-138, 1964.
- Bingham, R. H.** See Marcher, M. V. 00559
- 01385 **Bingham, R. H.** Well water for home supplies in Lewis County [Tennessee]: *Tennessee Div. Water Resources Hydrol. Atlas* 3 [12 p.], Nov. 1964.
- Bitoun, Marcel.** See Koelzer, V. A. 00769
- 01813 **Bittinger, M. W.** The problem of integrating ground-water and surface-water use: *Ground Water*, v. 2, no. 3, p. 33-38, July 1964.
- Bittinger, M. W.** See Smith, S. C. 01908
- Bjorklund, L. J.** See Carpenter, C. H. 00424
- 01470 **Black, A. P.; Walters, J. V.** Electrophoretic studies of turbidity removal with ferric sulfate: *Am. Water Works Assoc. Jour.*, v. 56, no. 1, p. 99-110, Jan. 1964.
- 00339 **Black, H. P.; Budd, W.** Accumulation in the region of Wilkes, Wilkes Island, Antarctica: *Jour. Glaciology*, v. 5, no. 37, p. 3-15, Feb. 1964.
- 03009 **Black, R. F.** The physical geography of Wisconsin: *Wisconsin Blue Book* 1964, p. 171-177, 1964.
- 00238 **Blair, J. E.; Williams, J. W.** The sedimentation velocity experiment and the determination of molecular weight distributions: *Jour. Phys. Chemistry*, v. 68, no. 1, p. 161-168, Jan. 1964.
- Blake, G. R.** See Boelter, D. H. 00311
- Blakey, J. F.** See Hembree, C. H. 00829
- 01565 **Blanchard, F. N.** An electric analog model demonstrates ground-water flow: *Jour. Geol. Education*, v. 12, no. 3, p. 104-105, Sept. 1964.
- 01243 **Blaney, H. F.; Criddle, W. D.** Determining water requirements for settling water disputes: *Nat. Resources Jour.*, v. 4, no. 1, p. 29-41, May 1964.
- 00760 **Blench, Thomas; Qureshi, M. A.** Practical regime analysis of river slopes: *Am. Soc. Civil Engineers Proc. Paper* 3826, *Hydraulics Div. Jour.*, v. 90, no. HY 2, p. 81-98, Mar. 1964.
- 01887 **Bliss, L. C.** Leaf water content in two Alpine plants on Mt. Washington, New Hampshire: *Ecology*, v. 45, no. 1, p. 163-165, 1964.
- 00342 **Bloch, M. R.** Dust-induced albedo changes of polar ice sheets and glacierization: *Jour. Glaciology*, v. 5, no. 38, p. 241-244, June 1964.

- 02102 **Bloomsburg, G. L.; Corey, A. T.** Diffusion of entrapped air from porous media: Colorado State Univ. Hydrology Papers No. 5, 27 p., Aug. 1964.
- 01415 **Blosser, R. O.; Owens, E. L.** Irrigation and land disposal of pulp mill effluents: Water and Sewage Works, v. 111, no. 9, p. 424-432, Sept. 1964.
- 00225 **Bluck, B. J.** Sedimentation of an alluvial fan in southern Nevada: Jour. Sed. Petrology, v. 34, no. 2, p. 395-400, June 1964.
- Blust, F. A.** See Kresge, R. F. 00323
- 01017 **Bodhaine, G. L.** Drainage basins and their effect on bridge and culvert design: Arizona Conf. on Roads and Streets, 13th, Tucson, Ariz., Apr. 16-17, 1964, Proc., p. 42-51, 1964.
- 01252 **Bodhaine, G. L.; Thomas, D. M.** Magnitude and frequency of floods in the United States, Part 12—Pacific slope basins in Washington and upper Columbia River basin: U.S. Geol. Survey Water-Supply Paper 1687, 337 p., May 1964.
- 00311 **Boelter, D. H.; Blake, G. R.** Importance of volumetric expression of water contents of organic soils: Soil Sci. Soc. America Proc., v. 28, no. 2, p. 176-178, Mar.-Apr. 1964.
- 01392 **Boelter, D. H.** Water storage characteristics of several peats in situ: Soil Sci. Soc. America Proc., v. 28, no. 3, p. 433-435, May-June 1964.
- 01126 **Boersma, Larry.** Agronomic potential of poorly drained soils in the Willamette Valley, in Annual meeting, Willamette Basin Project Committee: Oregon Water Resources Board, Salem, Oreg., 1964, Proc., p. [B]37-[B]39, 1964.
- 02178 **Boersma, Larry.** Storage and movement of water: Soc. Am. Foresters and Oregon State Univ. School of Forestry, Forest Watershed Management Symposium, Corvallis, Oreg., 1963, Proc., p. 33-55, 1963.
- 02002 **Boettcher, A. J.** Geology and ground-water resources in eastern Cheyenne and Kiowa Counties, Colorado, with a section on Chemical quality of the ground water, by C. A. Horr: U.S. Geol. Survey Water-Supply Paper 1779-N, p. N1-N32, Dec. 1964.
- 01367 **Bogart, D. B.; Arnow, Ted; Crooks, J. W.** Water resources of Puerto Rico—a progress report, with A hydrogeologic map, by R. P. Briggs and J. P. Akers: Puerto Rico Water Resources Authority Water-Resources Bull. 4, 102 p., app., 1964.
- 00122 **Boggess, D. H.; Davis, C. F.; Coskery, O. J.** Water-table, surface-drainage, and engineering soils map of the Milford quadrangle, Delaware: U.S. Geol. Survey Hydrol. Inv. Atlas HA-133, one sheet, 1964. [Mar. 1965.]
- Boggess, D. H.** See Davis, C. F. 00123
- Boggess, D. H.** See Davis, C. F. 00124
- Boggess, D. H.** See Adams, J. K. 00125
- Boggess, D. H.** See Adams, J. K. 00580
- Boggess, D. H.** See Adams, J. K. 00581
- 00582 **Boggess, D. H.; Adams, J. K.; Davis, C. F.** Water-table, surface-drainage, and engineering soils map of the Smyrna area, Delaware: U.S. Geol. Survey Hydrol. Inv. Atlas HA-81, one sheet, May 1964.
- 00583 **Boggess, D. H.; Adams, J. K.** Water-table, surface-drainage, and engineering soils map of the Middletown area, Delaware: U.S. Geol. Survey Hydrol. Inv. Atlas HA-82, one sheet, Apr. 1964.

- Bogges, D. H.** *See* Adams, J. K. 00584
- Bogges, D. H.** *See* Adams, J. K. 00585
- 00595 **Bogges, D. H.; Adams, J. K.** Water-table, surface-drainage, and engineering soils map of the Greenwood quadrangle, Delaware: U.S. Geol. Survey Hydrol. Inv. Atlas HA-99, one sheet, July 1964.
- Bogges, D. H.** *See* Adams, J. K. 00596
- Bogges, D. H.** *See* Adams, J. K. 00597
- 00598 **Bogges, D. H.; Adams, J. K.; Coskery, O. J.** Water-table, surface-drainage, and engineering soils map of the Milton quadrangle, Delaware: U.S. Geol. Survey Hydrol. Inv. Atlas HA-102, one sheet, July 1964.
- Bogges, D. H.** *See* Adams, J. K. 00599
- 00600 **Bogges, D. H.; Adams, J. K.** Water-table, surface-drainage, and engineering soils map of the Seaford West area, Delaware: U.S. Geol. Survey Hydrol. Inv. Atlas HA-105, one sheet, Oct. 1964.
- Bogges, D. H.** *See* Adams, J. K. 00601
- 00602 **Bogges, D. H.; Adams, J. K.; Davis, C. F.** Water-table, surface-drainage, and engineering soils map of the Georgetown quadrangle, Delaware: U.S. Geol. Survey Hydrol. Inv. Atlas HA-107, one sheet, Aug. 1964.
- Bogges, D. H.** *See* Adams, J. K. 00603
- 00604 **Bogges, D. H.; Adams, J. K.; Davis, C. F.** Water-table, surface-drainage, and engineering soils map of the Rehobeth Beach area, Delaware: U.S. Geol. Survey Hydrol. Inv. Atlas HA-109, one sheet, Sept. 1964.
- Bogges, D. H.** *See* Adams, J. K. 00611
- Bogges, D. H.** *See* Adams, J. K. 00612
- 00613 **Bogges, D. H.; Adams, J. K.** Water-table, surface-drainage, and engineering soils map of the Bethany Beach area, Delaware: U.S. Geol. Survey Hydrol. Inv. Atlas HA-122, one sheet, 1964. [Jan. 1965.]
- 00614 **Bogges, D. H.; Adams, J. K.** Water-table, surface-drainage, and engineering soils map of the Laurel area, Delaware: U.S. Geol. Survey Hydrol. Inv. Atlas HA-123, one sheet, 1964. [Jan. 1965.]
- Bogges, D. H.** *See* Davis, C. F. 01965
- 00369 **Bogomolov, G.; Silin-Bektchourin, A.** Formation of resources and chemical composition of underground water in arid parts of the world: Internat. Assoc. Sci. Hydrology Pub. 64, p. 93-94, 1964.
- Bohor, B. F.** *See* Chakravorty, S. K. 00747
- 01912 **Bollinger, L. E.** Transducers for measurement, Part 1—Introduction and theory of pressure measurement: ISA Jour., v. 11, no. 8, p. 45-48, Aug. 1964.
- 01913 **Bollinger, L. E.** Transducers for measurement, Part 2—Devices for measuring pressure: ISA Jour., v. 11, no. 9, p. 65-70, Sept. 1964.
- 01914 **Bollinger, L. E.** Transducers for measurement, Part 3—Temperature from one extreme to the other: ISA Jour., v. 11, no. 10, p. 73-80, Oct. 1964.
- 01915 **Bollinger, L. E.** Transducers for measurement, Part 4—Fluid flow: ISA Jour., v. 11, no. 11, p. 64-69, Nov. 1964.

- 01916 **Bollinger, L. E.** Transducers for measurement. Part 5—Chemical composition and mass spectrometry: *ISA Jour.*, v. 11, no. 12, p. 55–62, Dec. 1964.
- 01741 **Bolter, Ernst; Turekian, K. K.; Schutz, D. F.** The distribution of rubidium, cesium and barium in the oceans: *Geochim. et Cosmochim. Acta*, v. 28, no. 9, p. 1459–1466, Sept. 1964.
- 01853 **Bonderson, P. R.** Quality aspects of waste water reclamation: *Am. Soc. Civil Engineers Proc. Paper 4104, Sanitary Eng. Div. Jour.*, v. 90, no. SA 5, p. 1–8, Oct. 1964.
- Booth, R. L.** *See* Castelli, J. A. 01874
- 01033 **Borgman, L. E.** Risk criteria: *Am. Soc. Civil Engineers Proc. Paper 3607, Waterways and Harbors Div. Jour.*, v. 89, no. WW 3, p. 1–35, Aug. 1965.
- 00103 **Bornstein, Joseph.** Ground-water movement in poorly drained glacial till soil: *Am. Soc. Agr. Engineers Trans. (Gen. Ed.)*, v. 7, no. 1, p. 38–41, 45, Mar. 1964.
- Boster, R. L.** *See* Johnson, C. R. 01872
- Boswell, E. H.** *See* Cushing, E. M. 02076
- 02083 **Bourgeois, P. O.** Synopsis in ground water study: *Water and Sewage Works*, v. 111, no. 5, p. 255–258, May 1964.
- 01104 **Bourrières, Paul.** The Mekong Valley project: *Impact Sci. Soc.*, v. 14, no. 4, p. 263–279, 1964.
- 00303 **Bouwer, Herman.** Measuring horizontal and vertical hydraulic conductivity of a soil with the double-tube method: *Soil Sci. Soc. America Proc.*, v. 28, no. 1, p. 19–23, Jan.–Feb. 1964.
- 00305 **Bouwer, Herman.** Simplified procedure for calculation of hydraulic conductivity with the double-tube method: *Soil Sci. Soc. America Proc.*, v. 28, no. 1, p. 133–134, Jan.–Feb. 1964.
- 00790 **Bouwer, Herman.** Unsaturated flow in ground-water hydraulics: *Am. Soc. Civil Engineers Proc. Paper 4057, Hydraulics Div. Jour.*, v. 90, no. HY 5, p. 121–144, Sept. 1964.
- 01656 **Bouwer, Herman.** Resistance network analogs for solving ground-water problems: *Ground Water*, v. 2, no. 3, p. 26–32, July 1964.
- 00698 **Bowden, K. F.** The mixing processes in a tidal estuary, *in* Pearson, E. A., ed., *Advances in water pollution research*, Internat. Water Pollution Research Conf., 1st, London, 1962, Proc., v. 3: New York, Macmillan, p. 329–346, 1964.
- 01910 **Bowden, K. F.** Turbulence, *in* Barnes, Harold, ed., *Oceanography and marine biology—an annual review*, volume 2: New York, Hafner Publishing Co., p. 11–30, 1964.
- 02179 **Bowden, K. L.; Wallis, J. R.** Effect of stream-ordering technique on Horton's laws of drainage composition: *Geol. Soc. America Bull.*, v. 75, no. 8, p. 767–774, Aug. 1964.
- 01532 **Bower, C. A.; Lunin, Jesse.** Problems of soil and water, *in* *Farmer's world—The yearbook of agriculture*, 1964: Washington, D. C., U.S. Dept. Agriculture, p. 535–542, 1964.
- 00113 **Bowman, C. C.** Dimensional analysis applied to more efficient application of irrigation water: *Am. Soc. Agr. Engineers Trans. (Gen. Ed.)*, v. 7, no. 3, p. 238–239, 242, Nov. 1964.

- Bowman, D. H.** *See* Elrick, D. E. 01620
- Bowman, W. D.** *See* Ordway, S. H., Jr. 01244
- 01537 **Boyce, R. R.** (editor). Regional development of the Wabash basin: Urbana, Univ. Illinois Press, 224 p., 1964.
- 01515 **Boyer, M. C.** Streamflow measurements, sec. 15, *in* Chow, V. T., ed., Handbook of applied hydrology: New York, McGraw-Hill, p. 15-1 to 15-41, 1964.
- 02108 **Boyer, P. B.** Maximum annual discharges—office report No. 1 on flood frequency: Portland, Oreg., U.S. Army Corps Engineers, sec. pagination, pls., tables, Aug. 1964. (Cover title: Maximum annual flood frequencies for the Portland District.)
- 01147 **Boyer, R. E.; McQueen, J. E.** Comparison of mapped rock fractures and airphoto linear features: Photogramm. Eng., v. 30, no. 4, p. 630-635, July 1964.
- Boyko, Elisabeth.** *See* Boyko, Hugo. 00910
- 00910 **Boyko, Hugo; Boyko, Elisabeth.** Principles and experiments regarding direct irrigation with highly saline and sea water without desalination: New York Acad. Sci. Trans., ser. 2, v. 26, no. 8 suppl., p. 1087-1102, July 1964.
- Bozer, K. B.** *See* Hemwall, J. B. 00297
- 01062 **Brabson, J. A.; Burch, W. G., Jr.** Reduction of nitrates in acid medium with Raney catalyst powders: Assoc. Official Agr. Chemists Jour., v. 47, no. 6, p. 1035-1040, Dec. 1964.
- 00232 **Brackbill, R. M.; Gaines, J. C.** El Capitan source water system: Jour. Petroleum Technology, v. 16, no. 12, p. 1351-1356, Dec. 1964.
- Brackley, R. A.** *See* Sammel, E. A. 01966
- 00549 **Bradley, Edward.** Geology and ground-water resources of southeastern New Hampshire: U.S. Geol. Survey Water-Supply Paper 1695, 80 p., Sept. 1954.
- 01662 **Bradley, Edward.** Geohydrologic analogies between the Jordan Valleys of Utah and the Holy Land: Internat. Assoc. Sci. Hydrology Bull., v. 9, no. 3, p. 12-23, Sept. 1964.
- 00489 **Brady, N. C.** Research and education needs in pesticides, *in* Water quality and chemicals—industrial and agricultural: Water for Texas Conf., 9th, College Station, Tex., 1964, Proc., p. 41-43, 1964.
- Brar, S. S.** *See* Gustafson, P. F. 02092
- Bray, D. I.** *See* Davar, K. S. 00881
- 00658 **Brebner, Arthur.** Determination of design waves for the Great Lakes, *in* Conference on Great Lakes Research, 7th, Toronto, Canada, 1964, Proceedings: Michigan Univ. Great Lakes Research Div. Pub. 11, p. 322-325, 1964.
- 01274 **Brebner, Arthur; Sangel, B. P.** A comparison of actual with predicted wave-heights and periods for the north shore of Lakes Ontario and Erie: Eng. Jour., v. 47, no. 3, p. 32-36, Mar. 1964.
- 02180 **Brecher, H. H.** Glaciological observations on the "Byrd" station-South Pole traverse, 1960-61: Jour. Glaciology, v. 5, no. 39, p. 339-343, Oct. 1964.
- 00171 **Bredehoeft, J. D.** Variation of permeability in the Tensleep Sandstone in the Bighorn Basin, Wyoming, as interpreted from core analyses and geophysical logs, *in* Geological Survey Research 1964, Chapter D: U.S. Geol. Survey Prof. Paper 501-D, p. D166-D170, 1964. [Feb. 1965.]

- 01348 **Bredehoeft, J. D.; Farvolden, R. N.** Disposition of aquifers in intermontane basins of northern Nevada: *Internat. Assoc. Sci. Hydrology Pub.* 64, p. 197-212, 1964.
- 02181 **Bredehoeft, J. D.; White, W. A.; Maxey, G. B.** Reply to discussion by Gordon Rittenhouse of "Possible mechanism for concentration of brines in subsurface formations" (same issue): *Am. Assoc. Petroleum Geologists Bull.*, v. 48, no. 2, p. 236-238, Feb. 1964.
- 00466 **Bredemus, R. N.** Troubled goal—clean water: *Wisconsin Conserv. Bull.*, v. 29, no. 4, p. 3-5, July-Aug. 1964.
- Bredenkamp, D. B.** *See* Enslin, J. F. 00372
- 00403 **Breeding, S. D.** (and others). Fifty years of water development in Texas: *Texas Water Comm. Bull.* 6403, 23 p.; App., A1-A8; Apr. 1964.
- 01602 **Bregman, J. I.** A decade of accomplishment in salt water purification: *Indus. Water Eng.*, v. 1, no. 3, p. 10-15, May-June 1964.
- 01895 **Brehm, C. D.** Catchment area development for stock water: *Land and Water Contracting*, v. 6, no. 3, p. 14-15, 19, Mar. 1964.
- Breidenbach, A. W.** *See* Anderson, J. B. 00488
- Brennan, Robert.** *See* McGovern, H. E. 00028
- 01600 **Bretscher, M. M.; Meyer, J. F.** Diffusion heating and cooling of thermal neutrons in water: *Indiana Acad. Sci. Proc.*, v. 73, p. 210-216, 1964.
- Brett, G. W.** *See* Weld, B. A. 01441
- 00500 **Brice, J. C.** Channel patterns and terraces of the Loup Rivers in Nebraska: *U.S. Geol. Survey Prof. Paper* 422-D, p. D1-D41, June 1964.
- 00673 **Brice, J. C.** Laboratory studies in geology, [Part] 212—Ground water: San Francisco, W. H. Freeman and Co., 10 p., 1964.
- 01679 **Briekrietzi, Alex.** Basic water data report no. 1, Missoula Valley, Montana: *Montana Bur. Mines and Geology Bull.* 37, 43 p., Feb. 1964.
- 01114 **Bright, W. E.** Ground-water conditions at Rutherford College: *North Carolina Div. Ground Water Ground-Water Circ.* 1, 9 p., 1963.
- 00249 **British Columbia.** (Water Resources Service). Report of the Water Resources Service, year ended December 31, 1963: Victoria, British Columbia Dept. Lands, Forests, and Water Resources, 83 p., 1964.
- Brittain, R. L.** *See* Loofbourow, R. L. 00660
- 00623 **Brod, L. G., Jr.** Artesian origin of fissure caves in Missouri: *Natl. Speleol. Soc. Bull.*, v. 26, no. 3, p. 83-114, July 1964.
- 00754 **Broeker, M. E.; Winslow, J. D.** Ground-water levels in observation wells in Kansas, 1963: *Kansas Geol. Survey Bull.* 173, 94 p., Dec. 1964.
- 00807 **Broeker, Wallace.** Radiocarbon dating—a case against the proposed link between river mollusks and soil humus: *Science*, v. 143, no. 3606, p. 596-597, Feb. 1964.
- 00209 **Brooks, R. H.; Corey, A. T.** Hydraulic properties of porous media: *Colorado State Univ. Hydrology Papers* No. 3, 27 p., Mar. 1964.
- 01278 **Brooks, R. H.; Corey, A. T.** Hydraulic properties of porous media and their relation to drainage design: *Am. Soc. Agr. Engineers Trans. (Gen. Ed.)*, v. 7, no. 1, p. 26-28, Mar. 1964.

- Broussard, W. L.** See Sloss, Raymond. 01137
- 00644 **Brown, C. B.** Watershed development in West Germany: Jour. Soil and Water Conserv., v. 19, no. 2, p. 74-76, Mar.-Apr. 1964.
- 01491 **Brown, I. C.** Groundwater, an undeveloped resource: Canadian Geog. Jour., v. 69, no. 6, p. 212-221, Dec. 1964.
- Brown, J. B.** See Baker, R. C. 00833
- Brown, P. L.** See Dickey, D. D. 00306
- Brown, P. L.** See Ferguson, H. 01161
- 02170 **Brown, R. H.** Hydrologic factors pertinent to ground-water contamination: Ground Water, v. 2, no. 1, p. 5-12, Jan. 1964.
- Brown, R. J. E.** See Brown, W. G. 00016
- Brown, R. J. E.** See Johnston, G. H. 01707
- Brown, R. M.** See Östlund, H. G. 01959
- Brown, S. G.** See Hampton, E. R. 00523
- 00158 **Brown, T. E.** Measurement of relative cationic diffusion and exchange rates of montmorillonite, in Geological Survey Research 1964, Chapter C: U.S. Geol. Survey Prof. Paper 501-C, p. C96-C99, Oct. 1964.
- 00016 **Brown, W. G.; Johnstone, G. H.; Brown, R. J. E.** Comparison of observed and calculated ground temperatures with permafrost distribution under a northern lake: Canadian Geotech. Jour., v. 1, no. 3, p. 147-154, July 1964.
- Brownlee, C. H.** See Wilcox, J. C. 00021
- 01235 **Browzin, B. S.** Seasonal variations of flow and classification of rivers in the Great Lakes-St. Lawrence basin, in Conference on Great Lakes Research, 7th, Toronto, Canada, 1964, Proceedings: Michigan Univ. Great Lakes Research Div. Pub. 11, p. 179-204, 1964.
- 00901 **Bruce, J. P.** Large scale atmospheric circulations affecting floods on the Fraser River: Western Snow Conf., 32d, Nelson, British Columbia, 1964, Proc., p. 44-51, 1964.
- 01377 **Bruce, J. P.** Preliminary planning for the International Hydrologic Decade, in Conference on Great Lakes Research, 7th, Toronto, Canada, 1964, Proceedings: Michigan Univ. Great Lakes Research Div. Pub. 11, p. 1-5, 1964.
- 01710 **Bruce, J. P.** Relationship between precipitation and precipitable water on the Canadian prairie: Internat. Assoc. Sci. Hydrology Pub. 63, p. 181-188, 1964.
- Bruechmann, J. E.** See Buhle, M. B. 01393
- 01476 **Bruin, Jack.** Ground water supplies of northeastern Illinois—maximum development of well sources: Am. Water Works Assoc. Jour., v. 56, no. 2, p. 186-188, Feb. 1964.
- 00998 **Brunk, I. W.** Hydrology of Lakes Erie and Ontario, in Conference on Great Lakes Research, 7th, Toronto, Canada, 1964, Proceedings: Michigan Univ. Great Lakes Research Div. Pub. 11, p. 205-216, 1964.
- 00034 **Brush, L. M., Jr.; Ho, Hau-Wong; Yen, Ben-Chie.** Accelerated motion of a sphere in a viscous fluid: Am. Soc. Civil Engineers Proc. Paper 3764, Hydraulics Div. Jour., v. 90, no. HY 1, p. 149-160, Jan. 1964.

- 00704 **Brutsaert, Wilfried; Luthin, J. N.** The velocity of sound in soils near the surface as a function of the moisture content: *Jour. Geophys. Research*, v. 69, no. 4, p. 643-652, Feb. 15, 1964.
- 01551 **Bryson, R. A.** Lakes and the air-water interface: *Internat. Assoc. Theoretical and Appl. Limnology Proc.*, v. 15, pt. 1, p. 237-246, Feb. 1964.
- 01292 **Buchanan, T. J.** Time of travel of soluble contaminants in streams: *Am. Soc. Civil Engineers Proc. Paper 3932, Sanitary Eng. Div. Jour.*, v. 90, no. SA 3, p. 1-12, June 1964.
- Buckingham, R. A.** See Churchill, M. A. 00689
- Budd, W.** See Black, H. P. 00339
- 00492 **Bueltman, C. G.** The responsibility of industry in maintaining water quality, *in* Water quality and chemicals—industrial and agricultural: *Water for Texas Conf.*, 9th, College Station, Tex., 1964, *Proc.*, p. 55-56, 1964.
- 00446 **Buescher, C. A.; Dougherty, J. H.; Skrinde, R. T.** Chemical oxidation of selected organic pesticides: *Water Pollution Control Federation Jour.*, v. 36, no. 8, p. 1005-1014, Aug. 1964.
- 01393 **Buhle, M. B.; Bruechmann, J. E.** Electrical earth resistivity surveying in Illinois: *Illinois Geol. Survey Circ.* 376, 51 p., 1964.
- Bulkley, R. V.** See Farnes, P. E. 00899
- 00130 **Bull, W. B.** Geomorphology of segmented alluvial fans in western Fresno County, California: *U.S. Geol. Survey Prof. Paper* 352-E, p. 89-129, May 1964.
- 00502 **Bull, W. B.** Alluvial fans and near-surface subsidence in western Fresno County, California: *U.S. Geol. Survey Prof. Paper* 437-A, p. A1-A71, Dec. 1964.
- 01674 **Bull, W. B.** A consolidation test for undisturbed sands: *Materials Research and Standards*, v. 4, no. 7, p. 347-351, July 1964.
- 01675 **Bull, W. B.** Particle-size analysis of sand containing friable fragments: *Materials Research and Standards*, v. 4, no. 8, p. 407-410, Aug. 1964.
- 02136 **Bull, W. B.** History and causes of channel trenching in western Fresno County, California: *Am. Jour. Sci.*, v. 262, no. 2, p. 249-258, Feb. 1964.
- 02182 **Bullard, William.** Water quality problems originating on wild lands: *Soc. Am. Foresters and Oregon State Univ. School of Forestry, Forest Watershed Management Symposium, Corvallis, Oreg.*, 1963, *Proc.*, p. 313-319, 1963.
- Bunch, W. L.** See Sheen, E. M. 01336
- Bunker, R. M.** See Harleman, D. R. F. 01240
- 02152 **Buras, Nathan.** Conjunctive operation of a surface reservoir and a ground-water aquifer: *Internat. Assoc. Sci. Hydrology Pub.* 63, p. 492-501, 1964.
- Burbank, N. C.** See Ryckman, D. W. 01673
- Burbank, N. C., Jr.** See Mueller, K. C. 00062
- Burch, W. G., Jr.** See Brabson, J. A. 01062
- 00490 **Burchfield, H. P.** Analytical procedures for the identification of pesticides in water, *in* Water quality and chemicals—industrial and agricultural: *Water for Texas Conf.*, 9th, College Station, Tex., 1964, *Proc.*, p. 44-51, 1964.

- 01352 **Burdon, D. J.; Safadi, C.** The karst groundwaters of Syria: *Jour. Hydrology* [Amsterdam], v. 2, no. 4, p. 324-347, 1964. [Apr. 1965.]
- 00459 **Burford, A. E.; Minke, J. G.** Thermal springs at Berkeley Springs, West Virginia: *West Virginia Acad. Sci. Proc.*, v. 36, p. 113-117, Sept. 1964.
- 01344 **Burford, A. E.; Corbett, R. C.** Kanawha River drainage anomaly, Mason County, West Virginia: *West Virginia Acad. Sci. Proc.*, v. 36, p. 137-141, Sept. 1964.
- Burgh, P. v. d.** See Abraham, G. 00033
- Burgy, R. H.** See Lewis, D. C. 00354
- Burgy, R. H.** See Lewis, D. C. 01302
- Burgy, R. H.** See Lewis, D. C. 01654
- 01061 **Burke, Jerry; Holswade, Wendell.** Gas chromatography with microcoulometric detection for pesticide residue analysis: *Assoc. Official Agr. Chemists Jour.*, v. 47, no. 5, p. 845-859, Oct. 1964.
- Burlew, J. S.** See Morey, G. W. 00243
- 00015 **Burn, K. N.** Calibration of a neutron moisture meter in Leda clay: *Canadian Geotech. Jour.*, v. 1, no. 2, p. 94-103, Mar. 1964.
- 00185 **Burnham, W. L.** Reverse-circulation drilling, in *Symposium on soil exploration: Am. Soc. Testing and Materials Spec. Tech. Pub.* 351, p. 133-136, 1964.
- 00407 **Burnitt, S. C.; Crouch, R. L.** Investigation of ground-water contamination, P. H. D., Hackberry, and Storie oil fields, Garza County, Texas, with a Hydrologic study of salt-water disposal by the use of surface pits, northwestern Garza County, by H. H. Porterfield: *Texas Water Comm. Rept. LD-0764*, 77 p.; App. A1-A17; June 1964.
- Burns, C. V.** See Furness, L. W. 01452
- 01242 **Burton, Ian; Kates, R. W.** The perception of natural hazards in resource management: *Nat. Resources Jour.*, v. 3, no. 3, p. 412-441, Jan. 1964.
- 01394 **Burton, Ian; Kates, R. W.** The floodplain and the seashore, a comparative analysis of hazard-zone occupancy: *Geog. Rev.*, v. 54, no. 3, p. 366-385, July 1964.
- 00166 **Busby, M. W.** Relation of annual runoff to meteorological factors, in *Geological Survey Research 1964*, Chapter C: *U.S. Geol. Survey Prof. Paper* 501-C, p. C188-C189, Oct. 1964.
- Busby, M. W.** See Furness, L. W. 01452
- 00682 **Buscemi, P. A.** Some aspects of the regional limnology of northern and central Idaho: *Internat. Assoc. Theoretical and Appl. Limnology Proc.*, v. 15, pt. 2, p. 709-718, Feb. 1964.
- Bushman, F. X.** See Trauger, F. D. 01112
- Cahoon, G. A.** See Grover, B. L. 01159
- 02082 **Caidin, Martin.** *Hydrospace*: New York, E. P. Dutton, 320 p., 1964.
- 00806 **Caldwell, L. T.** Mineral content in water from fifty-three water wells in DeKalb and Sycamore quadrangles, Illinois: *Illinois Acad. Sci. Trans.*, v. 57, no. 4, p. 216-223, Dec. 1964.

- 00385 **California Dept. Public Health.** Radioactivity in California surface water, January-June 1963: Radiolog. Health Data, v. 5, no. 3, p. 143-144, Mar. 1964.
- 02110 **California Dept. Public Health.** (Bur. Radiological Health). Radioactivity in California surface waters, July-December 1963: Radiolog. Health Data, v. 5, no. 9, p. 440-441, Sept. 1964.
- 00187 **California Dept. Water Resources.** Ewing project—reconnaissance study: Sacramento, California Dept. Water Resources, 137 p., June 1964.
- 00188 **California Dept. Water Resources.** Water supply conditions in southern California during 1961-62: California Dept. Water Resources Bull. 39-62, 3 v., July 1964.
- 00190 **California Dept. Water Resources.** Hydrologic data, 1963; Volume 2—Northeastern California, Appendix C—Ground water measurements: California Dept. Water Resources Bull. 130-63, v. 2, App. C, 181 p., Nov. 1964.
- 00258 **California Dept. Water Resources.** Upper Pit River investigation: California Dept. Water Resources Bull. 86, 175 p., App. A-B, Sept. 1964.
- 00800 **California Dept. Water Resources.** Investigation of failure, Baldwin Hills Reservoir: Sacramento, California Dept. Water Resources, 64 p., maps, photos., pls., Apr. 1964.
- 00988 **California Dept. Water Resources.** (Bay Area Branch). Livermore Valley ground water basin investigation, first progress report: Sacramento, California Dept. Water Resources, 16 p., May 1964.
- 00990 **California Dept. Water Resources.** A survey of water resources information and information repositories in California: Sacramento, California Dept. Water Resources, 94 p., July 1964.
- 01072 **California Dept. Water Resources.** Ground water occurrence and quality, Lahontan region: California Dept. Water Resources Bull. 106-1, 439 p., June 1964.
- 01262 **California Dept. Water Resources.** Quality of ground waters in California, 1961 and 1962, Part 1—Northern and central California: California Dept. Water Resources Bull. 66-62, pt. 1, 429 p., Aug. 1964.
- 01264 **California Dept. Water Resources.** Quality of ground waters in California, 1960, Part 2—Southern California: California Dept. Water Resources Bull. 66-60, pt. 2, 117 p., App. A-B, Apr. 1964.
- 01265 **California Dept. Water Resources.** Quality of ground waters in California, 1960, Part 1—Northern and central California: California Dept. Water Resources Bull. 66-60, pt. 1, 359 p., Mar. 1964.
- 01276 **California Dept. Water Resources.** Mt. Shasta City-Dunsmuir area investigation [final edition]: California Dept. Water Resources Bull. 100, 130 p., Oct. 1964.
- 01286 **California Dept. Water Resources.** Land and water use in Putah-Cache Creeks hydrographic unit, Volume 1—Text; preliminary edition: California Dept. Water Resources Bull. 94-13, v. 1, 131 p., App. A-D, Apr. 1964.
- 01816 **California Dept. Water Resources.** Design and construction studies of shallow land subsidence for the California aqueduct in the San Joaquin Valley—interim report: Sacramento, California Dept. Water Resources, 130 p., Dec. 1964.
- 01829 **California Dept. Water Resources.** Fish Slough Dam and Reservoir, feasibility investigation: California Dept. Water Resources Bull. 126, 63 p., pls., App. A-C, Oct. 1964.

- 01832 **California Dept. Water Resources.** Land and water use in Trinity River hydrographic unit, Volume 1—Text: California Dept. Water Resources Bull. 94-2, v. 1, 115 p., App. A-D, Aug. 1964.
- 01858 **California Dept. Water Resources.** Agua Fria investigation, feasibility study: California Dept. Water Resources Bull. 145, 99 p., App. A-C, Aug. 1964.
- 01859 **California Dept. Water Resources.** Madera area investigation, progress report: California Dept. Water Resources Bull. 135-1, 55 p., Mar. 1964.
- 01869 **California Dept. Water Resources.** Coastal Los Angeles County land and water use survey, 1960: California Dept. Water Resources Bull. 24-60, 51 p., Mar. 1964.
- 01870 **California Dept. Water Resources.** Klamath River basin investigation: California Dept. Water Resources Bull. 83, 198 p., pls., July 1964.
- 01983 **California Dept. Water Resources.** Ground-water conditions in central and northern California, 1960-61: California Dept. Water Resources Bull. 77-61, 27 p., App. A-D, June 1964.
- 01984 **California Dept. Water Resources.** Ground-water conditions in central and northern California, 1961-62: California Dept. Water Resources Bull. 77-62, 166 p., App. A-D, Aug. 1964.
- 00192 **California State Assembly.** (Interim Committee on Water). Study of water district laws (1963 revision): California State Assembly, Assembly Interim Comm. Repts. 1963-1965, v. 26, no. 9, 144 p., Jan. 1964.
- 02132 **California State Assembly.** (Interim Committee on Water). Reports of subcommittee on water pollution: California State Assembly, Assembly Interim Comm. Repts. 1963-1965, v. 26, no. 11, 54 p., Dec. 1964.
- 02184 **California State Assembly.** (Interim Committee on Water). Arizona vs. California and Pacific Southwest water problems: California State Assembly, Assembly Interim Comm. Repts. 1963-1965, v. 26, no. 13, 175 p., Dec. 1964.
- 03017 **California State Assembly.** (Interim Committee on Water). State financial assistance to local water development under the Davis-Grunsky Act: California State Assembly, Assembly Interim Comm. Repts. 1963-1965, v. 26, no. 10, 54 p., Nov. 1964.
- 01809 **California University.** (Institute of Marine Resources). An investigation of the effects of discharged wastes on kelp: California Water Quality Control Board Pub. 26, 124 p., 1964.
- 02185 **California Water Quality Control.** (Board). Digest of sewerage enabling acts of the State of California: California Water Quality Control Board Pub. 28, 67 p., 1964.
- 00991 **Callahan, J. A.** (and others). Available water for industry, Adams, Claiborne, Jefferson, and Warren Counties, Mississippi: Mississippi Indus. and Technol. Research Comm. Bull. 64-1, 45 p., 1964.
- Callahan, J. A.** See Harvey, E. J. 03029
- Callahan, J. A.** See Newcome, Roy, Jr. 03030
- 00544 **Callahan, J. T.** The yield of sedimentary aquifers of the Coastal Plain. Southeast river basins: U.S. Geol. Survey Water-Supply Paper 1669-W, p. W1-W56, Feb. 1964.
- 01088 **Callender, Edward.** An inexpensive coring device for lake sediments: Compass, v. 41, no. 2, p. 120-128, Jan. 1964.

- 00616 **Camp, J. D.** Flood of 1962 near Baton Rouge, Louisiana: U.S. Geol. Survey Hydrol. Inv. Atlas HA-126, one sheet, Dec. 1964.
- 01753 **Campbell, C. J.; Dick-Peddie, W. A.** Comparison of phreatophyte communities on the Rio Grande in New Mexico: *Ecology*, v. 45, no. 3, p. 492-502, 1964.
- 01538 **Campbell, D. G.; Daly, J. F.** Influence of geology on the grouting program at the Round Butte Dam site: *Eng. Geology*, v. 1, no. 1, p. 14-20, Jan. 1964.
- 00801 **Canada Dept. Mines and Tech. Surveys.** Cumulative list of theses and dissertations on Canadian geography [to 1963]: Canada Dept. Mines and Tech. Surveys Geog. Br. Bibliog. Ser. 31, 40 p., 1964.
- 01527 **Canada Dept. Northern Affairs.** (and National Resources). Annual report, fiscal year 1962-1963: Ottawa, Queens Printer, 43 p., 1964.
- 00012 **Canada Water Resources Branch.** Principal power developments in Canada at 31 December, 1963: Canada Water Resources Br. Bull. 2722-63, 53 p., Mar. 1964.
- 00252 **Canada Water Resources Branch.** Sediment data for Saskatchewan and Manitoba to 30 September, 1961: Canada Water Resources Br. Water Resources Paper S-1, 101 p., 1964.
- 00567 **Canada Water Resources Branch.** Great Lakes water levels: Ottawa, Canada Water Resources Br., 14 p., 1964.
- 01079 **Canadian Petro Engineering.** Pictures 10,000 feet down now possible: *Canadian Petro Eng.*, v. 5, no. 5, p. 28-29, May 1964.
- 02186 **Cannon, D. W.** Industrial re-use of water—an opportunity for the West: *Water and Sewage Works*, v. 111, no. 5, p. 250-254, May 1964.
- 01957 **Caplan, F.** Discharge from rectangular weir with end contractions: *Water and Sewage Works*, v. 111, no. 12, p. 550, Dec. 1964.
- 00931 **Carlson, E. T.** Action of water on calcium aluminoferrites: *U.S. Natl. Bur. Standards Jour. Research—Sec. A*, v. 68A, no. 5, p. 453-463, Sept.-Oct. 1964.
- 00809 **Carlston, C. W.** Tritium-hydrologic research—some results of the U.S. Geological Survey research program: *Science*, v. 143, no. 3608, p. 804-806, Feb. 1964.
- 02187 **Carlston, C. W.** Use of tritium in hydrologic research—problems and limitations: *Internat. Assoc. Sci. Hydrology Bull.*, v. 9, no. 3, p. 38-42, Sept. 1964.
- 01903 **Carozzi, A. V.** Lamarck's theory of the earth—*Hydrogéologie*: *Isis*, v. 55, pt. 3, no. 181, p. 293-307, Sept. 1964. [Oct. 1964.]
- 00424 **Carpenter, C. H.; Robinson, G. B., Jr.; Bjorklund, L. J.** Selected hydrologic data, upper Sevier River basin, Utah: Utah State Engineer Basic Data Rept. 8, 29 p., 1964.
- 02168 **Carpenter, G. C.; Bassarab, D. R.** Case histories of resistivity and seismic ground-water studies: *Ground Water*, v. 2, no. 1, p. 21-25, Jan. 1964.
- Carpenter, J. H.** See Reeburgh, W. S. 01226
- 01528 **Carragan, William; Michalko, Frank; Katz, Samuel.** Water wells in earthquake and explosion detection, final report: Troy, N. Y., Rensselaer Polytech. Inst., 44 p., 40 figs., June 1964.
- Carroon, L. E.** See Avrett, J. R. 00088

- 01625 **Carter, D. L.; Fanning, C. D.** Combining surface mulches and periodic water applications for reclaiming saline soils: *Soil Sci. Soc. America Proc.*, v. 28, no. 4, p. 564-567, July-Aug. 1964.
- Carter, E. C.** See Ludwig, H. F. 00047
- 00078 **Carter, H. S.** The availability of climatological data: *Agr. Eng.*, v. 45, no. 6, p. 331, 1964.
- 00241 **Carter, J. L.; Lucchesi, P. J.; Yates, D. J. C.** The nature of residual OH groups on a series of near-faujasite zeolites: *Jour. Phys. Chemistry*, v. 68, no. 6, p. 1385-1391, June 1964.
- Carter, M. W.** See Straub, C. P. 02245
- Carter, R. C.** See Ludwig, H. F. 01418
- 01369 **Cartwright, Keros; Swinderman, J. N.; Gimlett, J. I.** Extension of the East Range Fault by gravity exploration, in *Geophysical studies in Nevada relating to hydrogeology*: Nevada Univ. Desert Research Inst. Tech. Rept. 2, p. 39-46, Jan. 1964.
- Cartwright, W. H.** See Holt, C. L. R., Jr. 03010
- 00268 **Carver, J. A., Jr.** The people's river: *Am. Forests*, v. 70, no. 11, p. 23-25, 51-52, Nov. 1964.
- Cary, J. W.** See Taylor, S. A. 01365
- 01613 **Cary, J. W.; Kohl, R. A.; Taylor, S. A.** Water adsorption by dry soil and its thermodynamic functions: *Soil Sci. Soc. America Proc.*, v. 28, no. 3, p. 309-314, May-June 1964.
- Castagno, J. L.** See Johnston, K. H. 01948
- 01874 **Castelli, J. A.; Booth, R. L.** Low-flow liquid meter: *Am. Water Works Assoc. Jour.*, v. 56, no. 9, p. 1243-1244, Sept. 1964.
- Castillo, O. U.** See Doyel, W. W. 00145
- Castillo, O. U.** See Doyel, W. W. 00156
- Castle, E. N.** See Smith, S. C. 01504
- Catalfomo, Magdalena.** See Park, Kilho. 01094
- Cattany, R. E.** See Hardt, W. F. 01666
- 00381 **Cavazza, Samuele.** Relationship between rainfall intensity and groundwater movement in subfluvial aquifers: *Internat. Assoc. Sci. Hydrology Pub.* 64, p. 390-401, 1964.
- 01414 **Cecil, L. K.** Sewage treatment plant effluent for water re-use: *Water and Sewage Works*, v. 111, no. 9, p. 421-423, Sept. 1964.
- 00563 **Cederstrom, D. J.; Trainer, F. W.; Waller, R. M.** Geology and ground-water resources of the Anchorage area, Alaska: *U.S. Geol. Survey Water-Supply Paper* 1773, 108 p., July 1964.
- 01497 **Cederstrom, D. J.** Agua subterranea—uma introducao: *Rio De Janeiro, Centro de Publicacoes Tecnicas da Alianca*, 280 p., 1964.
- 00208 **Cermak, J. E.; Baldwin, L. V.** Measurement of turbulence in water by electrokinetic transducers: *Colorado State Univ. Fluid Mechanics Papers* No. 2, 30 p., Mar. 1964.

Chabra, B. M. *See* Banerji, S. 01766

00897 **Chadwick, D. G.; Pearson, G. L.** An economical total-precipitation telemetering system: Western Snow Conf., 32d, Nelson, British Columbia, 1964, Proc., p. 1-8, 1964.

00293 **Chahal, R. S.** Effect of temperature and trapped air on the energy status of water in porous media: Soil Sci., v. 98, no. 2, p. 107-112, Aug. 1964.

00747 **Chakravorty, S. K.; Gateman, J. C.; Bohor, B. F.** Increasing injectivity of shaly sands with chemicals: Jour. Petroleum Technology, v. 16, no. 10, p. 1107-1112, Oct. 1964.

01556 **Chamberlain, A. C.; Eggleton, A. E. J.** Washout of tritiated water vapour by rain: Internat. Jour. Air and Water Pollution, v. 8, no. 2, p. 135-149, Feb. 1964.

Chamberlain, A. R. *See* Sayre, W. W. 01191

00193 **Chamberlain, J. A.** Hydrogeochemistry of uranium in the Bancroft-Haliburton region, Ontario: Canada Geol. Survey Bull. 118, 19 p., 1964.

00194 **Chamberlain, J. A.** Field and laboratory methods used by the Geological Survey of Canada in geochemical surveys. No. 7—A field method for determining uranium in natural waters: Canada Geol. Survey Paper 64-14, 8 p., 1964.

Chandler, D. C. *See* Marshall, J. S. 01311

02174 **Chandler, D. C.** The St. Lawrence Great Lakes: Internat. Assoc. Theoretical and Appl. Limnology Proc., v. 15, pt. 1, p. 59-75, Feb. 1964.

Changnon, S. A., Jr. *See* Huff, F. A. 00700

01139 **Changnon, S. A., Jr.** Comparison of long-term changes in air and soil temperatures at Urbana, Illinois: Monthly Weather Rev., v. 92, no. 10, p. 471-473, Oct. 1964.

Changnon, S. A., Jr. *See* Huff, F. A. 02153

02188 **Chapman, D. W.** Physical and biological effects of forest practices upon stream ecology: Soc. Am. Foresters and Oregon State Univ. School of Forestry, Forest Watershed Management Symposium, Corvallis, Oreg., 1963, Proc., p. 321-330, 1963.

01327 **Charron, J. E.** Two aquifer tests in Winnipeg and Brandon map-areas, Manitoba, 1962: Canada Geol. Survey Paper 63-43, 51 p., 1964.

01489 **Charron, J. E.** Ground-water resources of Fannystelle area, Manitoba: Canada Geol. Survey Bull. 98, 21 p., 1964.

00055 **Chaudhuri, N.; Siddiqi, R.; Engelbrecht, R. S.** Source and persistence of nematodes in surface water: Am. Water Works Assoc. Jour., v. 56, no. 1, p. 73-88, Jan. 1964.

00036 **Chen, Tsu-Fang; Davis, J. R.** Disintegration of a turbulent water jet: Am. Soc. Civil Engineers Proc. Paper 3772, Hydraulics Div. Jour., v. 90, no. HY 1, p. 175-206, Jan. 1964.

Chepil, W. S. *See* Armbrust, D. V. 01624

01315 **Chierici, G. L.** (and others). A systematic study of gas and water coning by potentiometric models: Jour. Petroleum Technology, v. 16, no. 8, p. 923-929, Aug. 1964.

Childers, J. M. *See* Berwick, V. K. 01299

- 00284 **Childs, E. C.** The ultimate moisture profile during infiltration in a uniform soil: *Soil Sci.*, v. 97, no. 3, p. 173-178, Mar. 1964.
- 00234 **Childs, E. F.** Regulation of flood control reservoirs, Merrimack River basin: *New England Water Works Assoc. Jour.*, v. 78, no. 3, p. 242-257, Sept. 1964.
- Chorley, R. J.** See Slaymaker, H. O. 01812
- 01048 **Chow, T. J.** Flame photometric determination of potassium in sea water and marine organisms: *Anal. Chim. Acta*, v. 31, no. 1, p. 58-63, July 1964.
- 01027 **Chow, V. T.** Frequency analysis, part 1, of Statistical and probability analysis of hydrological data, sec. 8, in Chow, V. T., ed., *Handbook of applied hydrology*: New York, McGraw-Hill, p. 8-1 to 8-42, 1964.
- 01506 **Chow, V. T.** (editor). *Handbook of applied hydrology*: New York, McGraw-Hill, 1404 p., 1964.
- 01507 **Chow, V. T.** Oceanography, sec. 2, in Chow, V. T., ed., *Handbook of applied hydrology*: New York, McGraw-Hill, p. 2-1 to 2-24, 1964.
- 01514 **Chow, V. T.** Runoff, sec. 14, in Chow, V. T., ed., *Handbook of applied hydrology*: New York, McGraw-Hill, p. 14-1 to 14-54, 1964.
- 01522 **Chow, V. T.** Application of electronic computers in hydrology, sec. 23, in Chow, V. T., ed., *Handbook of applied hydrology*: New York, McGraw-Hill, p. 29-1 to 29-30, 1964.
- 01775 **Chow, V. T.** (editor). *Advances in hydrosience, volume 1*: New York, Academic Press, 422 p., 1964.
- 02080 **Chow, V. T.** System design by operations research, part 2, of Water resources, sec. 26, in Chow, V. T., ed., *Handbook of applied hydrology*: New York, McGraw-Hill, p. 26-30 to 26-47, 1964.
- 02081 **Chow, V. T.** Hydrology and its development, sec. 1, in Chow, V. T., ed., *Handbook of applied hydrology*: New York, McGraw-Hill, p. 1-1 to 1-22, 1964.
- 00637 **Christman, R. F.** The chemistry of color in water: *Trend Eng.*, v. 16, no. 4, p. 10-14, 24, Oct. 1964.
- 02079 **Chuck, R. T.** Water supply for the neighbor Hawaiian Islands: *Water and Sewage Works*, v. 111, no. 7, p. 313-317, July 1964.
- 00382 **Chun, R. Y. D.; Weber, E. M.; Kiyoshi, Mido.** Computers—tools for sound management of ground water basins: *Internat. Assoc. Sci. Hydrology Pub.* 64, p. 424-437, 1964.
- 00774 **Chun, R. Y. D.; Mitchell, L. R.; Mido, K. W.** Ground-water management for the nation's future—optimum conjunctive operation of ground-water basins: *Am. Soc. Civil Engineers Proc. Paper 3965, Hydraulics Div. Jour.*, v. 90, no. HY 4, p. 79-95, July 1964.
- 00431 **Churchill, M. A.** Effects of density currents in reservoirs on water quality, in Krenkel, P. A., ed., *Sanitary and Water Resources Engineering Conference*, 3d, Nashville, Tennessee, 1964, *Proceedings*: Nashville, Vanderbilt Univ., Dept. Civil Eng., p. 63-77, 1964.
- 00689 **Churchill, M. A.; Elmore, H. L.; Buckingham, R. A.** The prediction of stream reaeration rates, in Southgate, B. A., ed., *Advances in water pollution research*, *Internat. Water Pollution Research Conf.*, 1st, London, 1962, *Proc.*, v. 1: New York, Macmillan, p. 89-136, 1964.
- 01521 **Ciriacy-Wantrup, S. V.** Water policy, sec. 28, in Chow, V. T., ed., *Handbook of applied hydrology*: New York, McGraw-Hill, p. 28-1 to 28-25, 1964.

- Clark, Glen.** See Domenico, P. A. 03007
- 00184 **Clark, K. R.** Mechanical methods of undisturbed soil sampling, in Symposium on soil exploration: Am. Soc. Testing and Materials Spec. Tech. Pub. 351, p. 86-95, 1964.
- 01549 **Clark, R. E.** New Mexico water resources law—a survey of legislation and decisions: Albuquerque, New Mexico Univ. Div. Govt. Research, 93 p., 1964.
- 01285 **Clark, W. E.** (and others). Water-resources data for Alachua, Bradford, Clay, and Union Counties, Florida: Florida Geol. Survey Inf. Circ. 43, 154 p., 1964.
- 01730 **Clark, W. E.** (and others). Water resources of Alachua, Bradford, Clay, and Union Counties, Florida: Florida Geol. Survey Rept. Inv. 35, 170 p., 1964.
- 02078 **Clark, W. E.** Possibility of salt-water leakage from proposed intra-coastal waterway near Venice, Florida well field: Florida Geol. Survey Rept. Inv. 38, 33 p., 1964.
- Clarke, F. E.** See Barnes, Ivan. 00508
- 00697 **Clarke, N. A.** (and others). Human enteric viruses in water—source, survival and removability, in Eckenfelder, W. W., ed., Advances in water pollution research, Internat. Water Pollution Research Conf., 1st, London, 1962, Proc., v. 2: New York, Macmillan, p. 523-541, 1964.
- 01751 **Cleary, E. J.** An electronic monitor system for river-quality surveillance and research, in Southgate, B. A., ed., Advances in water pollution research, Internat. Water Pollution Research Conf., 1st, London, 1962, Proc., v. 1: New York, Macmillan, p. 63-77, 1964.
- 00427 **Clement, F. G.** The role of the state in water resources development, in Krenkel, P. A., ed., Sanitary and Water Resources Engineering Conference, 3d, Nashville, Tennessee, 1964, Proceedings: Nashville, Vanderbilt Univ., Dept. Civil Eng., p. 1-8, 1964.
- 01245 **Clement, R. C.** The report on pesticide use: Nat. Resources Jour., v. 4, no. 2, p. 247-251, Oct. 1964.
- 01075 **Clemson, Donovan.** Some examples of erosion: Canadian Audubon, v. 26, no. 5, p. 151-154, Nov.-Dec. 1964.
- Clendening, J. A.** See Gillespie, W. H. 01786
- 02189 **Cluff, C. B.; Resnick, S. D.** Final report on the evaporation reduction investigations relating to small reservoirs in arid regions: Arizona Univ. Agr. Expt. Sta. Rept. 224, 33 p., Oct. 1964.
- Cluff, L. S.** See Trantina, J. A. 02249
- Clutter, J. L.** See Hewlett, J. D. 00279
- Cobb, Carlisle, Jr.** See Rogers, J. S. 01802
- Coene, R. F.** See Taylor, F. B. 01632
- Coffin, D. L.** See Odell, J. W. 00838
- 00227 **Cohen, Philip.** Water in the Humboldt River valley near Winnemucca, Nevada: Nevada Dept. Conserv. and Nat. Resources Water Resources Bull. 27, 68 p., 1964.
- 00895 **Cohen, Philip; Loeltz, O. J.** Evaluation of hydrogeology and hydrogeochemistry of Truckee Meadows area, Washoe County, Nevada: U.S. Geol. Survey Water-Supply Paper 1779-S, p. S1-S63, Sept. 1964. (Also issued as Nevada Dept. Conserv. and Nat. Resources Water Resources Bull. 28.)

- 01684 **Cohen, Philip.** A brief appraisal of the ground-water resources of the Grass Valley area, Humboldt and Pershing Counties, Nevada: Nevada Dept. Conserv. and Nat. Resources Ground-Water Resources—Reconn. Ser. Rept. 29, 40 p., Sept. 1964.
- 03001 **Cohen, Philip.** Preliminary results of hydrogeologic investigations in the valley of the Humboldt River near Winnemucca, Nevada: U.S. Geol. Survey Water Supply Paper 1754, 59 p., July 1964. (Also issued as Nevada Dept. Conserv. and Nat. Resources Water Resources Bull. 22.)
- Cohen, Phillip.** See Eakin, T. E. 00418
- Colburn, G. W.** See McConaghy, J. A. 02059
- 00506 **Colby, B. R.** Discharge of sands and mean-velocity relationships in sand-bed streams: U.S. Geol. Survey Prof. Paper 462-A, p. A1-A47, Sept. 1964.
- 00507 **Colby, B. R.** Scour and fill in sand-bed streams: U.S. Geol. Survey Prof. Paper 462-D, p. D1-D32, Feb. 1964.
- 00763 **Colby, B. R.** Practical computations of bed-material discharge: *Am. Soc. Civil Engineers Proc. Paper 3843, Hydraulics Div. Jour.*, v. 90, no. HY 2, p. 217-246, Mar. 1964.
- 00138 **Collier, C. R.; Flint, R. F.** Fluvial sedimentation in Mammoth Cave, Kentucky, Art. 151 in *Short papers in geology and hydrology*: U.S. Geol. Survey Prof. Paper 475-D, p. D141-D143, Mar. 1964.
- 00501 **Collier, C. R.** (and others). Influences of strip mining on the hydrologic environment of parts of Beaver Creek basin, Kentucky, 1955-59: U.S. Geol. Survey Prof. Paper 427-B, p. B1-B85, May 1964.
- Collings, M. R.** See Wright, R. R. 00076
- 00413 **Collins, A. G.; Waters, C. J.; Pearson, C. A.** Methods of analyzing oilfield waters—selenium and tellurium: U.S. Bur. Mines Rept. Inv. 6474, 19 p., July 1964.
- 00121 **Collins, D. L.; Bassett, D. L.** Terminal profile of water flowing over a porous bed having constant infiltration: *Am. Soc. Agr. Engineers Trans. (Gen. Ed.)*, v. 7, no. 4, p. 475-477, Dec. 1964.
- 00026 **Colorado River Board of California.** Annual report, Colorado River Board of California, fiscal year ending June 30, 1964: Los Angeles, Colorado River Board of California, 55 p., 1964.
- 01822 **Connell, C. H.; Forbes, M. C.** Once-used municipal water as industrial supply in retrospect and prospect: *Water and Sewage Works*, v. 111, no. 9, p. 397-400, Sept. 1964.
- Conover, W. J.** See Schneider, W. J. 01973
- 00951 **Conway, C. M.** Land and water resources planning in north Florida: Soil and Crop Science Soc. Florida Ann. Mtg., 23d, Winter Park, 1963, Proc., v. 23, p. 271-280, Sept. 1964.
- Cook, E. F.** See Sokol, Daniel. 00399
- Cook, E. F.** See Sokol, Daniel. 02154
- Cook, H. M.** See Adey, E. A. 00405
- Cook, R. L.** See Melton, C. G. 00739
- Cook, S. E.** See Farnes, P. E. 01783

- 01484 **Cooley, M. E.; Akers, J. P.; Stevens, P. R.** Geohydrologic data in the Navajo and Hopi Indian Reservations, Arizona, New Mexico, and Utah, Part 3 — Selected lithologic logs, drillers' logs, and stratigraphic sections: Arizona Land Dept. Water Resources Rept. 12-C, 157 p., Oct. 1964.
- 00527 **Cooper, H. H., Jr.** (and others). Sea water in coastal aquifers: U.S. Geol. Survey Water-Supply Paper 1613-C, p. C1-C84, May 1964.
- 01221 **Copeland, B. J.; Duffer, W. R.** Use of a clear plastic dome to measure gaseous diffusion rates in natural waters: *Limnology and Oceanography*, v. 9, no. 4, p. 494-499, Oct. 1964.
- 01378 **Copeland, B. J.; Minter, K. W.; Dorris, T. C.** Chlorophyll *a* and suspended organic matter in oil refinery effluent holding ponds: *Limnology and Oceanography*, v. 9, no. 4, p. 500-506, Oct. 1964.
- 01046 **Corbett, J. A.** The separation of titanium from vanadium and molybdenum by cupferron solvent extraction: *Anal. Chim. Acta*, v. 30, no. 2, p. 126-130, Feb. 1964.
- Corbett, R. C.** See Burford, A. E. 01344
- 00460 **Corbett, R. G.; Kulander, B. R.** Preliminary observations on the chemical and physical characteristics of Cheat Lake, West Virginia: *West Virginia Acad. Sci. Proc.*, v. 36, p. 143-146, Sept. 1964.
- 00957 **Cordova, R. M.** Hydrogeologic reconnaissance of part of the headwaters area of the Price River, Utah: *Utah Geol. and Mineralog. Survey Water-Resources Bull.* 4, 26 p., Mar. 1964. (Cover shows date of 1963.)
- Corey, A. T.** See Brooks, R. H. 00209
- Corey, A. T.** See Brooks, R. H. 01278
- Corey, A. T.** See Bloomsburg, G. L. 02102
- Corey, M. W.** See Middlebrooks, E. J. 01417
- 00143 **Corey, R. L.** Environmental factors affecting attached macro-organisms, Patuxent River estuary, Maryland, Art. 165 in *Short papers in geology and hydrology*: U.S. Geol. Survey Prof. Paper 475-D, p. D194-D197, Mar. 1964.
- 00157 **Corliss, J. B.; Meade, R. H.** Clay minerals from an area of land subsidence in the Houston-Galveston Bay area, Texas, in *Geological Survey Research 1964*, Chapter C: U.S. Geol. Survey Prof. Paper 501-C, p. C79-C81, Oct. 1964.
- Corwin, Nathaniel.** See Ketchum, B. H. 02208
- 00063 **Cosaro, Gerald; Lauderbach, Preston; Schwantje, Hans.** Formation and behavior of hydroxyapatite: *Am. Water Works Assoc. Jour.*, v. 56, no. 3, p. 347-357, Mar. 1964.
- Cosgrove, J. J.** See Warren, J. E. 01693
- Coskery, O. J.** See Boggess, D. H. 00122
- Coskery, O. J.** See Adams, J. K. 00584
- Coskery, O. J.** See Boggess, D. H. 00598
- Coskery, O. J.** See Adams, J. K. 00601
- Coskery, O. J.** See Adams, J. K. 00611

- Coskery, O. J.** See Rima, D. R. 00894
- Counts, H. B.** See McCollum, M. J. 00528
- 01152 **Courchaine, R. J.** The significance of nitrification in stream analysis—effects on the oxygen balance, *in* Industrial Waste Conference, 18th, Lafayette, Indiana, 1963, Proceedings: Purdue Univ. Eng. Ext. Ser. 115, p. 38–50, 1964.
- 01594 **Cox, C. R.** Operation and control of water treatment processes: World Health Organization Mon. Ser. 49, 390 p., 1964.
- Cox, D. C.** See Laevastu, Taivo. 01496
- 01648 **Craft, T. F.; Erb, T. L.; Hill, D. F.** Chemical analysis of radioactive materials in water: Am. Water Works Assoc. Jour., v. 56, no. 10, p. 1357–1368, Oct. 1964.
- Crain, L. L.** See Roebuck, I. F., Jr. 00742
- 00053 **Crandall, D. L.** Reservoir topography by shoreline plotting: Am. Soc. Civil Engineers Proc. Paper 3874, Surveying and Mapping Div. Jour., v. 90, no. SU 1, p. 39–56, Apr. 1964.
- 01448 **Crawford, N. H.; Linsley, R. K.** A conceptual model of the hydrologic cycle: Internat. Assoc. Sci. Hydrology Pub. 63, p. 573–587, 1964.
- 01884 **Cressler, C.** Geology and ground-water resources of the Paleozoic rock area, Chattooga County, Georgia: Georgia Geol. Survey Inf. Circ. 27, 14 p., 1964.
- 01727 **Cressler, C. W.** Geology and ground-water resources of Walker County, Georgia: Georgia Geol. Survey Inf. Circ. 29, 15 p., 1964.
- 00869 **Criddle, W. D.** A State looks to its water requirements, *in* Wealth from watersheds: Arizona Watershed Symposium, 8th, Tempe, 1964, Proc., p. 11–19, 1964.
- Criddle, W. D.** See Blaney, H. F. 01243
- 00857 **Criner, J. H.; Sun, P.-C. P.; Nyman, D. J.** Hydrology of aquifer systems in the Memphis area, Tennessee: U.S. Geol. Survey Water-Supply Paper 1779-O, p. O1–O54, Oct. 1964.
- Crippen, J. R.** See Mack, F. K. 01358
- 01728 **Croft, M. G.** Geology and ground-water resources of Dade County, Georgia: Georgia Geol. Survey Inf. Circ. 26, 17 p., 1964.
- 02021 **Cronin, J. G.** A summary of the occurrence and development of ground water in the Southern High Plains of Texas, *with a section on* Artificial recharge studies, by B. N. Myers: U.S. Geol. Survey Water-Supply Paper 1693, 88 p., Apr. 1964.
- Crooks, J. W.** See Bogart, D. B. 01367
- 00269 **Cross, W. P.** Floods of March 1964 in Ohio: Ohio Div. Water Bull. 39, 58 p., Dec. 1964.
- Cross, W. P.** See Edelen, G. W., Jr. 00576
- Cross, W. P.** See Edelen, G. W., Jr. 00577
- Cross, W. P.** See Edelen, G. W., Jr. 00578
- Cross, W. P.** See Edelen, G. W., Jr. 00579
- 00923 **Cross, W. P.** Floods of March 1963 in Ohio, and the flash flood of June 1963 in the vicinity of Cambridge: Ohio Div. Water Bull. 38, 82 p., Mar. 1964.

- 02006 **Cross, W. P.; Feulner, A. J.** Anomalous streamflow—ground-water regimen in the Mad River basin, near Springfield, Ohio, Art. 166 *in* Short papers in geology and hydrology: U.S. Geol. Survey Prof. Paper 475-D, p. D198-D201, Mar. 1964.
- Cross, W. P.** *See* Edelen, G. W., Jr. 02012
- Crosthwaite, E. G.** *See* Mundorff, M. J. 01283
- Crouch, R. L.** *See* Burnitt, S. C. 00407
- 00719 **Crozaz, G.; Picciotto, E.; De Breuck, W.** Antarctic snow chronology with Pb^{210} : Jour. Geophys. Research, v. 69, no. 12, p. 2597-2604, June 15, 1964.
- 00454 **Crutchfield, J. A.; Biggs, J. A.; Johnson, R. W.** Water resource management—economic, conservation, and legal views: Water Pollution Control Federation Jour., v. 36, no. 12, p. 1447-1459, Dec. 1964.
- 01239 **Csanady, G. T.** Turbulence and diffusion in the Great Lakes, *in* Conference on Great Lakes Research, 7th, Toronto, Canada, 1964, Proceedings: Michigan Univ. Great Lakes Research Div. Pub. 11, p. 326-339, 1964.
- 02077 **Cubbedge, R. E.** The destroyers of America: New York, Macfadden-Bartell Corp., 128 p., 1964.
- 01227 **Cudbird, B. S. V.; Rodgers, G. K.** Data processing for limnological research, *in* Conference on Great Lakes Research, 7th, Toronto, Canada, 1964, Proceedings: Michigan Univ. Great Lakes Research Div. Pub. 11, p. 6-11, 1964.
- Culbertson, Don.** *See* Mayes, J. L. 00361
- Culbertson, J. K.** *See* Beverage, J. P. 00794
- 01256 **Culbertson, J. K.; Dawdy, D. R.** A study of fluvial characteristics and hydraulic variables, middle Rio Grande, New Mexico: U.S. Geol. Survey Water-Supply Paper 1498-F, p. F1-F74, Jan. 1964.
- 00271 **Cummings, T. R.** Chemical character of surface waters of Oklahoma, 1958-1959: Oklahoma Water Resources Board Bull. 20, 133 p., 1964.
- 01376 **Curry, L. W.** Great Lakes Regional Data Center, *in* Conference on Great Lakes Research, 7th, Toronto, Canada, 1964, Proceedings: Michigan Univ. Great Lakes Research Div. Pub. 11, p. 12-14, 1964.
- 01754 **Cushing, C. E., Jr.** Plankton and water chemistry in the Montreal River lake-system, Saskatchewan: Ecology, v. 45, no. 2, p. 306-313, 1964.
- 02076 **Cushing, E. M.; Boswell, E. H.; Hosman, R. L.** General geology of the Mississippi embayment: U.S. Geol. Survey Prof. Paper 448-B, p. B1-B28, June 1964.
- Cushman, R. L.** *See* Motts, W. S. 00963
- 00515 **Cushman, R. V.; Tanski, Daniel; Thomas, M. P.** Water resources of the Hartford-New Britain area, Connecticut: U.S. Geol. Survey Water-Supply Paper 1499-H, p. H1-H96, Apr. 1964.
- 00555 **Cushman, R. V.** Ground-water resources of north-central Connecticut: U.S. Geol. Survey Water-Supply Paper 1752, 96 p., Mar. 1964.
- 01867 **Cushman, R. V.; Baker, J. A.; Meikle, R. L.** Records and logs of selected wells and test borings and chemical analyses of water in north-central Connecticut: Connecticut Water Resources Comm. Connecticut Water Resources Bull. 4, 27 p., 1964.

- 00880 **Cuthbertson, W. B.; Jonker, F. H.** Flood forecasting with the aid of a hydrological simulation program: Eastern Snow Conf., 21st, Utica, N. Y., 1964, Proc., p. 47-62, 1964.
- 00627 **Cutshall, Norman; Osterberg, Charles.** Radioactive particle in sediment from the Columbia River: Science, v. 144, no. 3618, p. 536-537, May 1, 1964.
- Dagan, Gedeon.** See Bear, Jacob. 00371
- Dagan, Gedeon.** See Bear, Jacob. 00711
- Dagan, Gedeon.** See Bear, Jacob. 00781
- 01290 **Dagan, Gedeon.** Linearized solution of unsteady deep flow toward an array of horizontal drains: Jour. Geophys. Research, v. 69, no. 16, p. 3361-3369, Aug. 15, 1964.
- 01860 **Dagan, Gedeon.** Spacing of drains by an approximate method: Am. Soc. Civil Engineers Proc. Paper 3824, Irrig. and Drainage Div. Jour., v. 90, no. IR 1, pt. 1, p. 41-66, Mar. 1964.
- 02075 **Dahlgren, George.** Science in Alaska, 1963: Am. Assoc. Adv. Sci. Alaskan Sci. Conf., 14th, Anchorage, Aug. 27-Aug. 30, 1963, 314 p., Jan. 1964.
- 01076 **Dale, H. M.** Influence of soil on weed vegetation on a drained river millpond: Canadian Jour. Botany, v. 42, no. 7, p. 823-830, July 1964.
- Dale, O. C.** See Baker, R. C. 00534
- Dale, O. C.** See Alexander, W. H., Jr. 00828
- 00570 **Dale, R. H.; French, J. J.; Wilson, H. D., Jr.** The story of ground water in the San Joaquin Valley, California: U.S. Geol. Survey Circ. 459, 11 p., July 1964.
- Dale, R. H.** See Wood, P. R. 00928
- 02074 **Dalrymple, Tate.** Flood characteristics and flow determination, part 1, of Hydrology of flow control, sec. 25, in Chow, V. T., ed., Handbook of applied hydrology: New York, McGraw-Hill, p. 25-1 to 25-33, 1964.
- Daly, J. F.** See Campbell, D. G. 01538
- 00093 **Dana, M. N.** The magic of water: Am. Forests, v. 70, no. 3, p. 8-13, 53-54, Mar. 1964.
- 00104 **Daniel, E. R.** Basic parameters for rapid treatment of pond water for domestic use: Am. Soc. Agr. Engineers Trans. (Gen. Ed.), v. 7, no. 1, p. 44-45, Mar. 1964.
- Daniels, J. M.** See Sparrow, G. N. 01834
- 01961 **Dansgaard, W.** Stable isotopes in precipitation: Tellus, v. 16, no. 4, p. 436-468, Nov. 1964.
- Das, Gayatri.** See Majumdar, A. K. 02120
- Daubert, A.** See Valembois, J. 02016
- 00881 **Davar, K. S.; Bray, D. I.** Preliminary results of snowmelt-streamflow studies in the Tobique basin: Eastern Snow Conf., 21st, Utica, N.Y., 1964, Proc., p. 78-96, 1964.
- Davidian, Jacob.** See Rouse, Hunter. 00481
- 01902 **Davies, D. S.; Kaplan, R. A.** Activated carbon eliminates organics: Chem. Eng. Prog., v. 60, no. 12, p. 46-50, Dec. 1964.

- 01065 **Davies, W. E.** The future of the Potomac—a conflict in values: *Atlantic Naturalist*, v. 19, no. 4, p. 209–220, Oct.–Dec. 1964.
- d'Avignon, J.** *See* Power, B. A. 01563
- Davis, C. F.** *See* Boggess, D. H. 00122
- 00123 **Davis, C. F.; Boggess, D. H.** Water-table, surface-drainage, and engineering soils map of the Harrington quadrangle, Delaware: U.S. Geol. Survey Hydrol. Inv. Atlas HA-136, one sheet, 1964. [Jan. 1965.]
- 00124 **Davis, C. F.; Boggess, D. H.** Water-table, surface-drainage, and engineering soils map of the Mispillion River quadrangle, Delaware: U.S. Geol. Survey Hydrol. Inv. Atlas HA-137, one sheet, Dec. 1964.
- Davis, C. F.** *See* Adams, J. K. 00125
- Davis, C. F.** *See* Boggess, D. H. 00582
- Davis, C. F.** *See* Adams, J. K. 00599
- Davis, C. F.** *See* Boggess, D. H. 00602
- Davis, C. F.** *See* Boggess, D. H. 00604
- 01965 **Davis, C. F.; Boggess, D. H.** Water-table, surface-drainage, and engineering soils map of the Marydel area, Delaware: U.S. Geol. Survey Hydrol. Inv. Atlas HA-132, one sheet, 1964. [Jan. 1965.]
- 00531 **Davis, G. H.; Lofgren, B. E.; Mack, Seymour.** Use of ground-water reservoirs for storage of surface water in the San Joaquin Valley, California: U.S. Geol. Survey Water-Supply Paper 1618, 125 p., Feb. 1964.
- 01548 **Davis, G. H.** Management of water in arid lands: *Nat. History*, v. 73, no. 7, p. 26–33, Aug.–Sept. 1964.
- Davis, J. R.** *See* Chen, Tsu-Fang. 00036
- Davis, J. R.** *See* Fenzl, R. N. 00105
- 03023 **Davis, John.** Oregon's course, in Oregon's water problems and future needs, State Water Resources Conference: Oregon Water Resources Board, Salem, Oreg., 1964, Proc., p. [A]103–[A]106, 1964.
- 01547 **Davis, L. C., Jr.** The Amazon's rate of flow: *Nat. History*, v. 73, no. 6, p. 14–19, June–July 1964.
- 01404 **Davis, R. C.** Industrial effluent monitors: *Water and Sewage Works*, v. 111, no. 6, p. 259–261, June 1964.
- 01432 **Davis, R. K.** Water supply economics in the Potomac River basin: *Am. Water Works Assoc. Jour.*, v. 56, no. 3, p. 257–266, Mar. 1964.
- 00594 **Davis, R. W.** Availability of ground water in the Dexter quadrangle, Kentucky: U.S. Geol. Survey Hydrol. Inv. Atlas HA-93, one sheet, Sept. 1964.
- 02013 **Davis, R. W.** Availability of ground water in the Lynn Grove quadrangle, Kentucky–Tennessee: U.S. Geol. Survey Hydrol. Inv. Atlas HA-112, one sheet, Dec. 1964.
- 01102 **Davis, S. N.** (and others). Some hydrogeologic factors in water contamination by nuclear cratering: Palo Alto, Calif., Hazleton–Nuclear Sci. Corporation, 28 p., July 1964.

- 01841 **Davis, S. N.** Silica in streams and ground water: *Am. Jour. Sci.*, v. 262, no. 7, p. 870-891, Summer 1964.
- 02163 **Davis, S. N.; Turk, L. J.** Optimum depth of wells in crystalline rocks: *Ground Water*, v. 2, no. 2, p. 6-11, Apr. 1964.
- 00409 **Davis, T. F.; Voress, H. E.** (compilers). Radioactive waste processing and disposal—an annotated bibliography of selected literature: U.S. Atomic Energy Comm. Div. Tech. Inf. [Pub.] TID-3311 (Supp. 1), 184 p., June 1964.
- Davison, R. R.** See Zeitoun, M. A. 01087
- Dawdy, D. R.** See Langbein, W. B. 00167
- Dawdy, D. R.** See Culbertson, J. K. 01256
- 01779 **Dawdy, D. R.; Matalas, N. C.** Analysis of variance, covariance, and time series, part 3, of Statistical and probability analysis of hydrological data, sec. 8, in Chow, V. T., ed., *Handbook of applied hydrology*: New York, McGraw-Hill, p. 8-68 to 8-97, 1964.
- 01743 **Day, J. G.** Cave detection by geoelectrical methods, Part 1—Resistivity: *Cave Notes*, v. 6, no. 6, p. 41-45, Nov.-Dec. 1964.
- De Bow, Robert.** See Sceva, J. E. 01638
- De Breuck, W.** See Crozaz, G. 00719
- 01040 **de Faubert Maunder, M. J.; Egan, H.; Roburn, J.** Some practical aspects of the determination of chlorinated pesticides by electron-capture gas chromatography: *Analyst*, v. 89, no. 1056, p. 157-167, Mar. 1964.
- 00569 **de Laguna, Wallace.** Chemical quality of water, Brookhaven National Laboratory and vicinity, Suffolk County, New York: U.S. Geol. Survey Bull. 1156-D, p. D1-D73, Oct. 1964.
- 00351 **De Laine, R. J.** Calibration of weirs using the rate of pondage drawdown: *Jour. Hydrology [Amsterdam]*, v. 2, no. 2, p. 130-140, 1964.
- de Langen, D.** See Roskam, R. T. 01043
- 01864 **De Wiest, R. J. M.** Dispersion and salt water intrusion: *Ground Water*, v. 2, no. 3, p. 39-44, July 1964.
- 02138 **De Wiest, R. J. M.** Educational facilities in ground-water hydrology and geology outside the U.S.A. and Canada, 1963: *Ground Water*, v. 2, no. 2, p. 18-24, Apr. 1964.
- 01224 **Dean, David; Haskin, H. H.** Benthic repopulation of the Raritan River estuary following pollution abatement: *Limnology and Oceanography*, v. 9, no. 4, p. 551-563, Oct. 1964.
- 01771 **Deane, R.** Redesign of the two mile Kootenay Lake power site: *Eng. Jour.*, v. 47, no. 6, p. 33-36, June 1964.
- Decker, D. L.** See Richards, L. A. 00300
- Decker, G. H.** See Parsons, D. A. 01359
- 01553 **Deevey, E. S., Jr.; Stuiver, M.; Nakai, Nobuyuki.** Isotopes of carbon and sulfur as tracers of lake metabolism: *Internat. Assoc. Theoretical and Appl. Limnology Proc.*, v. 15, pt. 1, p. 284-288, Feb. 1964.

- 01892 **Deevey, E. S., Jr.; Stuiver, Minze.** Distribution of natural isotopes of carbon in Linsley Pond and other New England lakes: *Limnology and Oceanography*, v. 9, no. 1, p. 1-11, Jan. 1964.
- 01597 **deGrys, Ann.** Copper distribution patterns in soils and drainage in central Chile: *Econ. Geology*, v. 59, no. 4, p. 626-646, June-July 1964.
- DeLapp, D. F.** *See* Weinberger, A. J. 01084
- 02010 **Delay, W. H.; Seaders, John; Evans, R. T.** Water temperature prediction and control study, Umpqua River basin: Salem, Oregon Water Resources Board, 44 p., Feb. 1964.
- 00384 **Delleur, J. W.** Hydraulics of river flow under arch bridges: Purdue Univ. Joint Highway Research Proj. Rept. 11, 2 v., June 1964.
- Delleur, J. W.** *See* Wu, I. P. 00933
- Dempster, G. R., Jr.** *See* Stevens, H. H., Jr. 00024
- 01906 **den Boef, G.; Poeder, B. C.** Spectrophotometric determination of chromium(III) with complexans: *Anal. Chim. Acta*, v. 30, no. 3, p. 261-268, Mar. 1964.
- Dendy, F. E.** *See* McHenry, J. R. 01387
- Denison, J. G.** *See* Stein, J. E. 02017
- 01988 **Denmead, O. T.** Evaporation sources and apparent diffusivities in a forest canopy: *Jour. Appl. Meteorology*, v. 3, no. 4, p. 383-395, Aug. 1964.
- 00558 **Dennis, P. E.; Hindson, L. L.** Ground-water provinces of Southern Rhodesia: U.S. Geol. Survey Water-Supply Paper 1757-D, p. D1-D15, Dec. 1964.
- 01095 **Denver Federal Executive Board.** (Water Committee). An inventory of information on Federal water research activities and facilities: Denver, Colo., Denver Federal Executive Board, 73 p., May 1964.
- 00997 **Derecki, J. A.** Variation of Lake Erie evaporation and its causes, *in* Conference on Great Lakes Research, 7th, Toronto, Canada, 1964, Proceedings: Michigan Univ. Great Lakes Research Div. Pub. 11, p. 217-227, 1964.
- 00883 **DeRicco, E. J.** Report of the Division of Water Resources, Department of Conservation and Natural Resources, *in* Nevada Water Conference, 18th, Carson City, 1964, Proceedings: Carson City, Nevada Dept. Conserv. and Nat. Resources, p. 44-48, 1964.
- 02093 **Devaul, R. W.; Holt, C. L. R., Jr.** Water availability, *in* Vegetable and fruit potential for production and processing in central Wisconsin: Madison, Univ. Wisconsin Coll. Agriculture Ext. Service, p. 26-30, Dec. 1964.
- 01067 **Devenis, K. P.** Proposed dam, navigation locks and flood control pumping station for the Mystic River basin: Boston Soc. Civil Engineers Jour., v. 51, no. 1, p. 1-30, Jan. 1964.
- 00482 **Devik, Olaf.** Present experience on ice problems connected with the utilization of water power in Norway: *Jour. Hydraulic Research*, v. 2, no. 1, p. 25-40, 1964.
- 01804 **Dickenson, R. W.** (editor). Western Water Law Symposium, Los Angeles, California, March 10-11, 1963: Chicago, Ill., Dist. Attorney's Assoc., 165 p., 1964. (Individual papers not indexed.)
- 00306 **Dickey, D. D.; Ferguson, Hayden; Brown, P. L.** Influence of neutron meter access tubes on soil temperature and water under winter conditions: *Soil Sci. Soc. America Proc.*, v. 28, no. 1, p. 134-135, Jan.-Feb. 1964.

- Dickey, D. D.** See Ferguson, H. 01161
- Dick-Peddie, W. A.** See Campbell, C. J. 01753
- 00486 **Diener, R. A.** Texas estuaries and water resource development projects, in *Water quality and chemicals—industrial and agricultural: Water for Texas Conf.*, 9th, College Station, Tex., 1964, Proc., p. 25–31, 1964.
- Dietzman, W. D.** See Hawkins, M. E. 01947
- 01746 **Dillard, J. W.; Muse, R. W.** Water levels and chemical analyses from observation wells in the Dell City area, Hudspeth and Culberson Counties, Texas 1948 through January 1964: Texas Water Comm. Circ. 64–01, 22 p., Mar. 1964.
- Dingman, R. J.** See Doyel, W. W. 00145
- Dingman, R. J.** See Doyel, W. W. 01974
- 00519 **Dinwiddie, G. A.; Motts, W. S.** Availability of ground water in parts of the Acoma and Laguna Indian Reservations, New Mexico: U.S. Geol. Survey Water-Supply Paper 1576-E, p. E1–E65, June 1964.
- 01111 **Dinwiddie, G. A.** Municipal water supplies and uses, northeastern New Mexico: New Mexico State Engineer Tech. Rept. 29B, 64 p., 1964.
- Diskin, M. H.** See Wu, I. P. 00933
- 00345 **Dixey, F.** Cyclic phenomena in hydrology and solar activity: *Jour. Hydrology* [Amsterdam], v. 2, no. 1, p. 15–18, 1964.
- 02073 **Dixon, J. W.** Planning and development, part 1, of *Water resources*, sec. 26, in Chow, V. T., ed., *Handbook of applied hydrology*: New York, McGraw-Hill, p. 26–1 to 26–29, 1964.
- 00048 **Dobbins, W. E.** BOD and oxygen relationships in streams: *Am. Soc. Civil Engineers Proc. Paper 3949, Sanitary Eng. Div. Jour.*, v. 90, no. SA 3, p. 53–78, June 1964.
- 00694 **Dobbins, W. E.** Mechanism of gas absorption by turbulent liquids, in Eckenfelder, W. W., ed., *Advances in water pollution research, Internat. Water Pollution Research Conf.*, 1st, London, 1962, Proc., v. 2: New York, Macmillan, p. 61–96, 1964.
- 01785 **Dodson, C. L.** (editor). West Virginia Water Research Symposium, Morgantown, 1963, Proceedings: Morgantown, West Virginia Univ., 101 p., 1964.
- 00289 **Doering, E. J.; Reeve, R. C.; Stockinger, K. R.** Salt accumulation and salt distribution as an indicator of evaporation from fallow soils: *Soil Sci.*, v. 97, no. 5, p. 312–319, May 1964.
- 01681 **Doeringsfeld, W. W., Jr.; Ivey, J. B.** Use of photogeology and geomorphic criteria to locate subsurface structure: *Mtn. Geologist*, v. 1, no. 4, p. 183–195, Oct. 1964.
- 01792 **Doerr, A. H.; Sutherland, S. M.** Variations in Oklahoma's climate as depicted by the Köppen and early Thornthwaite classifications: *Jour. Geography*, v. 63, no. 2, p. 60–66, Feb. 1964.
- Domenico, P. A.** See Mifflin, M. D. 00624
- 01580 **Domenico, P. A.; Stephenson, D. A.; Maxey, G. B.** Ground water in Las Vegas Valley: Nevada Univ. Desert Research Inst. Tech. Rept. 7, 53 p., Apr. 1964.

- 01990 **Domenico, P. A.; Stephenson, D. A.** Application of quantitative mapping techniques to aid in hydrologic systems analysis of alluvial aquifers: Jour. Hydrology [Amsterdam], v. 2, no. 2, p. 164-181, 1964.
- 03007 **Domenico, P. A.; Clark, Glen.** Electric analogs in time-settlement problems: Am. Soc. Civil Engineers Proc. Paper 3892, Soil Mechanics and Found. Div. Jour., v. 90, no. SM 3, p. 33-51, May 1964.
- 01130 **Donaldson, E. C.** Subsurface disposal of industrial wastes in the United States: U.S. Bur. Mines Inf. Circ. 8212, 34 p., 1964.
- Dorris, T. C.** See Copeland, B. J. 01378
- Dortignac, E. J.** See Hickey, W. C., Jr. 00317
- 00294 **Doss, B. D.; Ashley, D. A.; Bennett, O. L.** Effect of moisture regime and stage of plant growth on moisture use by cotton: Soil Sci., v. 98, no. 3, p. 156-161, Sept. 1964.
- Dougherty, E. W.** See Sheldon, J. W. 01694
- Dougherty, J. H.** See Buescher, C. A. 00446
- 00239 **Douglas, Everett.** Solubilities of oxygen, argon, and nitrogen in distilled water: Jour. Phys. Chemistry, v. 68, no. 1, p. 169-174, Jan. 1964.
- Douglass, J. E.** See Hewlett, J. D. 00279
- 01089 **Dow, W. G.** The effect of salinity on the formation of mud-cracks: Compass, v. 41, no. 2, p. 162-166, Jan. 1964.
- 00636 **Dowell, C. L.** Dams and reservoirs in Texas—historical and descriptive information: Texas Water Comm. Bull. 6408, 248 p., July 1964.
- 00145 **Doyel, W. W.; Dingman, R. J.; Castillo, O. U.** Hydrogeology of the Santiago area, Chile, Art. 169 in Short papers in geology and hydrology: U.S. Geol. Survey Prof. Paper 475-D, p. D209-D212, Mar. 1964.
- 00146 **Doyel, W. W.** Ground water in the Arica area, Chile, Art. 170 in Short papers in geology and hydrology: U.S. Geol. Survey Prof. Paper 475-D, p. D213-D215, Mar. 1964.
- 00156 **Doyel, W. W.; Castillo, O. U.** The artesian aquifer of the Tierra del Fuego area, Chile, in Geological Survey Research 1964, Chapter B: U.S. Geol. Survey Prof. Paper 501-B, p. B169-B172, June 1964.
- 01331 **Doyel, W. W.; Maguire, F. J.** Ground-water resources of the Bengási area, Cyrenaica, United Kingdom of Libya: U.S. Geol. Survey Water-Supply Paper 1757-B, p. B1-B21, Feb. 1964.
- 01974 **Doyel, W. W.; Dingman, R. J.** Hydrogeologic reconnaissance of the Republic of Korea, in Geological Survey Research 1964, Chapter D: U.S. Geol. Survey Prof. Paper 501-D, p. D149-D152, 1964. [Feb. 1965.]
- 00686 **Drachev, S. M.** The oxygen regime and the processes of self-purification in reservoirs with retarded discharge, in Southgate, B. A., ed., Advances in water pollution research, Internat. Water Pollution Research Conf., 1st, London, 1962, Proc., v. 1: New York, Macmillan, p. 17-29, 1964.
- Dreezen, V. H.** See Keech, C. F. 00620
- Dreher, F. C.** See Knowles, D. B. 00514
- Dreibelbis, F. R.** See Harrold, L. L. 00327

- 00724 **Dreibelbis, F. R.; Amerman, C. R.** Land use, soil type, and practice effects on the water budget: *Jour. Geophys. Research*, v. 69, no. 16, p. 3387-3393, Aug. 15, 1964.
- 01652 **Drouhin, G.; Shata, A.; Fishel, V. C.** The artesian basins of North Africa: *Arid Zone*, no. 23, p. 3-10, Mar. 1964.
- 01321 **Drummond, J. M.** An appraisal of fracture porosity: *Bull. Canadian Petroleum Geology*, v. 12, no. 2, p. 226-245, June 1964.
- Duagoun, F. J.** See Allis, J. A. 01466
- 00478 **Duane, D. B.** Significance of skewness in Recent sediments, western Pamlico Sound, North Carolina: *Jour. Sed. Petrology*, v. 34, no. 4, p. 864-874, Dec. 1964.
- 00228 **Dudley, W. W., Jr.; McGinnis, L. D.** Seismic-refraction and earth-resistivity investigation of hydrogeologic problems in Humboldt River basin, Nevada, in *Geophysical studies in Nevada relating to hydrogeology*: Nevada Univ. Desert Research Inst. Tech. Rept. 2, p. 7-23, Jan. 1964.
- Dudley, W. W., Jr.** See McGinnis, L. D. 00229
- Duffer, W. R.** See Copeland, B. J. 01221
- 00625 **Dugan, P. R.; Pfister, R. M.; Sprague, M. L.** Bibliography of organic pesticide publications having relevance to public health and water pollution problems: New York State Dept. Health Research Rept. 10, pt. 2, 122 p., May 1963.
- 01835 **Dumm, L. D.** Transient-flow concept in subsurface drainage, its validity and use: *Am. Soc. Agr. Engineers Trans. (Gen. Ed.)*, v. 7, no. 2, p. 142-146, 151, June 1964.
- 01844 **Dumm, L. D.; Winger, R. J., Jr.** Subsurface drainage system design for irrigated area using transient-flow concept: *Am. Soc. Agr. Engineers Trans. (Gen. Ed.)*, v. 7, no. 2, p. 147-151, June 1964.
- Duncan, A. C.** See Powell, W. J. 02056
- 00392 **Duncan, J. R., Jr.** The effects of water table and tide cycle on swash-backwash sediment distribution and beach profile development: *Marine Geology*, v. 2, no. 3, p. 186-197, Nov. 1964.
- 00953 **Duncan, W. W.** Spillway design flood for the proposed Rampart Canyon Dam: Western Snow Conf., 32d, Nelson, British Columbia, 1964, Proc., p. 84-91, 1964.
- Dunnam, C. A.** See Porterfield, George. 00532
- 00128 **Durfor, C. N.; Becker, Edith.** Chemical quality of public water supplies of the United States and Puerto Rico, 1962: U.S. Geol. Survey Hydrol. Inv. Atlas HA-200, one sheet, Dec. 1964.
- 02191 **Durfor, C. N.; Becker, Edith.** Public water supplies of the 100 largest cities in the United States, 1962: U.S. Geol. Survey Water-Supply Paper 1812, 364 p., Dec. 1964.
- 02192 **Durfor, C. N.; Becker, Edith.** Selected data on public supplies of the 100 largest cities in the United States, 1962: *Am. Water Works Assoc. Jour.*, v. 56, no. 3, p. 237-246, Mar. 1964.
- 00816 **Durie, R. W.; Jessen, F. W.** Mechanism of the dissolution of salt in the formation of underground salt cavities: *Soc. Petroleum Engineers Jour.*, v. 4, no. 2, p. 183-190, June 1964.
- Durum, W. H.** See Otton, E. G. 00513

- 00503 **Dury, G. H.** Principles of underfit streams: U.S. Geol. Survey Prof. Paper 452-A, p. A1-A67, Aug. 1964.
- 00504 **Dury, G. H.** Subsurface exploration and chronology of underfit streams: U.S. Geol. Survey Prof. Paper 452-B, p. B1-B56, Sept. 1964.
- 00291 **Duvdevani, S.** Dew in Israel and its effect on plants: Soil Sci., v. 98, no. 1, p. 14-21, July 1964.
- Dworsky, L. B.** See McCallum, G. E. 01228
- Dyalla, A. S.** See Rollins, M. B. 01610
- 00067 **Dye, J. F.** Review of anticorrosion water treatment: Am. Water Works Assoc. Jour., v. 56, no. 4, p. 457-465, Apr. 1964.
- Dyer, K. L.** See Schiff, Leonard. 00377
- Eakin, T. E.** See Malmberg, G. T. 00141
- 00172 **Eakin, T. E.; Moore, D. O.** Uniformity of discharge of Muddy River Springs, southeastern Nevada, and relation to interbasin movement of ground water, in Geological Survey Research 1964, Chapter D: U.S. Geol. Survey Prof. Paper 501-D, p. D171-D176, 1964. [Feb. 1965.]
- 00201 **Eakin, T. E.** The White River regional ground-water system, in Nevada Water Conference, 18th, Carson City, 1964, Proceedings: Carson City, Nevada Dept. Conserv. and Nat. Resources, p. 30-31, 1964.
- 00418 **Eakin, T. E.; Schoff, S. L.; Cohen, Phillip.** Regional hydrology of a part of southern Nevada—a reconnaissance: U.S. Geol. Survey Rept. TE1-833, 40 p., July 1963.
- 02111 **Eakin, T. E.** Ground-water appraisal of Coyote Spring and Kane Spring Valleys and Muddy River Springs area, Lincoln and Clark Counties, Nevada: Nevada Dept. Conserv. and Nat. Resources Ground-Water Resources—Reconn. Ser. Rept. 25, 40 p., Feb. 1964.
- 01029 **Earth Science Curriculum Project.** Investigating the earth; Volume 1—Text, Volume 2—Teacher's guide, Volume 3—Laboratory manual: Washington, D.C., Am. Geol. Inst., 3 v., chap. pagination, 1964.
- East, P. J.** See Gast, R. G. 00654
- 00875 **Eastern Snow Conference.** Eastern Snow Conference, 21st, Utica, New York, Feb. 13-14, 1964, Proceedings: 96 p., 1964.
- 01409 **Eaton, E. R.** Thawing of wells in frozen ground by electrical means: Water and Sewage Works, v. 111, no. 8, p. 350-353, Aug. 1964.
- Eaton, J. R.** See MacRostie, Wayne. 01261
- 01024 **Eckenfelder, W. W.** (editor). Advances in water pollution research—Proceedings of the International Conference on Water Pollution Research, 1st, London, England, September 1962, volume 2: New York, Macmillan, 578 p., 1964.
- 00799 **Eckfeldt, E. L.; Shaffer, E. W., Jr.** Dissolved oxygen measurement by constant-potential derivative coulometry: Anal. Chemistry, v. 36, no. 10, p. 2008-2013, Sept. 1964.
- Eddy, G. E.** See Fridley, H. M. 00461
- 00148 **Eddy, J. E.** Television apparatus for borehole exploration, Art. 172 in Short papers in geology and hydrology: U.S. Geol. Survey Prof. Paper 475-D, p. D219-D220, Mar. 1964.

- Eddy, J. E.** *See* Trainer, F. W. 00177
- 00576 **Edelen, G. W., Jr.; Ruggles, F. H., Jr.; Cross, W. P.** Floods at Newark, Ohio: U.S. Geol. Survey Hydrol. Inv. Atlas HA-44, one sheet, Sept. 1964.
- 00577 **Edelen, G. W., Jr.; Ruggles, F. H., Jr.; Cross, W. P.** Floods at Chillicothe, Ohio: U.S. Geol. Survey Hydrol. Inv. Atlas HA-45, one sheet, July 1964.
- 00578 **Edelen, G. W., Jr.; Ruggles, F. H., Jr.; Cross, W. P.** Floods at Zanesville, Ohio: U.S. Geol. Survey Hydrol. Inv. Atlas HA-46, one sheet, Oct. 1964.
- 00579 **Edelen, G. W., Jr.; Ruggles, F. H., Jr.; Cross, W. P.** Floods at Circleville, Ohio: U.S. Geol. Survey Hydrol. Inv. Atlas HA-48, one sheet, Aug. 1964.
- 02012 **Edelen, G. W., Jr.; Ruggles, F. H., Jr.; Cross, W. P.** Floods at Mount Vernon, Ohio: U.S. Geol. Survey Hydrol. Inv. Atlas HA-40, one sheet, Oct. 1964.
- 00987 **Eden, W. J.** Earth flows at the Beattie Mine, Quebec, Canada: Canadian Geotech. Jour., v. 1, no. 2, p. 104-114, Mar. 1964.
- Edgerley, E.** *See* Ryckman, D. W. 01673
- 00684 **Edgerton, H. E.; Harford, J. W.** Underwater photography: Internat. Assoc. Theoretical and Appl. Limnology Proc., v. 15, pt. 2, p. 1034-1037, Feb. 1964.
- 00242 **Edmiston, Clyde; Ruedenberg, Klaus.** Chemical binding in the water molecule: Jour. Phys. Chemistry, v. 68, no. 4, p. 1628-1653, July 1964.
- 02096 **Edwards, R. W.** Some effects of plants and animals on the conditions in fresh-water streams with particular reference to their oxygen balance, *in* Southgate, B. A., ed., Advances in water pollution research, Internat. Water Pollution Research Conf., 1st, London, 1962, Proc., v. 1: New York, Macmillan, p. 319-337, 1964.
- Egan, H.** *See* de Faubert Maunder, M. J. 01040
- 02119 **Egan, H.; Hammond, E. W.; Thomson, J.** The analysis of organo-phosphorus pesticide residues by gas chromatography: Analyst, v. 89, no. 1056, p. 175-178, Mar. 1964.
- Eggleton, A. E. J.** *See* Chamberlain, A. C. 01556
- 00082 **Ehlig, C. F.; Gardner, W. R.** Relationship between transpiration and the internal water relations of plants: Agronomy Jour., v. 56, no. 2, p. 127-130, Mar.-Apr. 1964.
- Eichmeier, A. H.** *See* Wheaton, R. Z. 00108
- 00732 **Einstein, H. A.; Shen, H. W.** A study on meandering in straight alluvial channels: Jour. Geophys. Research, v. 69, no. 24, p. 5239-5247, Dec. 15, 1964.
- 01780 **Einstein, H. A.** River sedimentation, part 2, *of* Sedimentation, sec. 17, *in* Chow, V. T., ed., Handbook of applied hydrology: New York, McGraw-Hill, p. 17-35 to 17-67, 1964.
- 00449 **Eisenhauer, H. R.** Oxidation of phenolic wastes: Water Pollution Control Federation Jour., v. 36, no. 9, p. 1116-1128, Sept. 1964.
- 00854 **Eisenlohr, W. S.** Discharge ratings for streams at submerged section controls: U.S. Geol. Survey Water-Supply Paper 1779-L, p. L1-L32, Sept. 1964.
- 02193 **Ekern, P. C.** Direct interception of cloud water on Lanaihale, Hawaii: Soil Sci. Soc. America Proc., v. 28, no. 3, p. 419-421, May-June 1964.

- 01018 **Elder, F. C.** A facility for air-sea interaction study on Lake Michigan, in Conference on Great Lakes Research, 7th, Toronto, Canada, 1964, Proceedings: Michigan Univ. Great Lakes Research Div. Pub. 11, p. 228-237, 1964.
- 00430 **Elder, R. A.; Garrison, J. M.** The causes and persistence of density currents, in Krenkel, P. A., ed., Sanitary and Water Resources Engineering Conference, 3d, Nashville, Tennessee, 1964, Proceedings: Nashville, Vanderbilt Univ., Dept. Civil Eng., p. 46-62, 1964.
- Elenbaas, J. R.** See Hubbard, R. M. 00737
- 01099 **Ellis, A. J.; Mahon, W. A. J.** Natural hydrothermal systems and experimental hot-water/rock interactions: *Geochim. et Cosmochim. Acta*, v. 28, no. 8, p. 1323-1357, Aug. 1964.
- 00586 **Ellis, D. W.; Allen, H. E.; Noehre, A. W.** Floods in Park Ridge quadrangle, Illinois: U.S. Geol. Survey Hydrol. Inv. Atlas HA-85, one sheet, Apr. 1964.
- 00587 **Ellis, D. W.; Allen, H. E.; Noehre, A. W.** Floods in Hinsdale quadrangle, Illinois: U.S. Geol. Survey Hydrol. Inv. Atlas HA-86, one sheet, May 1964.
- Ellis, D. W.** See Allen, H. E. 00588
- Ellis, D. W.** See Noehre, A. W. 00589
- Ellis, H. H.** See Mann, F. L. 00922
- Ellis, M. J.** See Adolphson, D. G. 00817
- Elmore, H. L.** See Churchill, M. A. 00689
- 01620 **Elrick, D. E.; Bowman, D. H.** Note on an improved apparatus for soil moisture flow measurements: *Soil Sci. Soc. America Proc.*, v. 28, no. 3, p. 450-453, May-June 1964.
- 01503 **Elting, Mary.** Water come—water go: New York, Harvey House, 45 p., 1964.
- 00860 **Emery, P. A.** Geology and ground-water resources of Richardson County, Nebraska: U.S. Geol. Survey Water-Supply Paper 1779-W, p. W1-W29, Nov. 1964.
- 01575 **Emery, P. A.; Malhoit, M. M.** Water levels in observation wells in Nebraska, 1963: Nebraska Univ. Conserv. and Survey Div. Nebraska Water Survey Paper 14, 163 p., Apr. 1964.
- 01576 **Emery, P. A.** Basic-data report, Saline County, Nebraska: Nebraska Univ. Conserv. and Survey Div. Nebraska Water Survey Paper 15, 29 p., July 1964.
- Emery, P. A.** See Smith, F. A. 01683
- 00792 **Emmett, W. W.; Wallace, J. R.** Errors in piezometric measurement: *Am. Soc. Civil Engineers Proc. Paper 4126*, Hydraulics Div. Jour., v. 90, no. HY 6, p. 45-61, Nov. 1964.
- Engelbrecht, R. S.** See Chaudhuri, N. 00055
- 01750 **Engineering Journal.** Power in Canada: *Eng. Jour.*, v. 47, no. 10, p. 25-30, 68, Oct. 1964.
- Engstrom, L. R.** See Rutter, E. J. 01026
- 00372 **Enslin, J. F.; Bredenkamp, D. B.** The value of pumping tests for the assessment of ground-water supplies in secondary aquifers in South Africa: *Internat. Assoc. Sci. Hydrology Pub.* 64, p. 213-224, 1964.

- 01808 **Enz, R. W.; Weller, Mary.** Summary of snow survey measurements for Arizona: Phoenix, Ariz., U.S. Soil Conserv. Service, 50 p., Oct. 1964.
- 00181 **Erb, D. K.** Reconnaissance exploration of subsurface conditions by aerial photographic interpretation, *in* Symposium on soil exploration: Am. Soc. Testing and Materials Spec. Tech. Pub. 351, p. 3-16, 1964.
- Erb, T. L.** *See* Craft, T. F. 01648
- Erdei, Joseph.** *See* Goodenkauf, Arley. 00072
- 01049 **Erinc, G.; Magee, R. J.** The determination of palladium by atomic absorption spectroscopy: Anal. Chim. Acta, v. 31, no. 3, p. 197-205, Sept. 1964.
- 02129 **Erlich, Harry; McGauhey, P. H.** Economic evaluation of water, Part 2—Jurisdictional considerations in water resources management: California Univ. Water Resources Center Contr. 42, 377 p., June 1964.
- 00318 **Erödi, B.; Horvath, V.; Kamaras, M.** Evaluation of experimental methods and practice in planning for soil and water conservation in Hungary: Internat. Assoc. Sci. Hydrology Pub. 65, p. 34-59, 1964.
- 00480 **Escande, L.** The stability of throttled surge tanks operating with the electric power controlled by the hydraulic power: Jour. Hydraulic Research, v. 1, no. 1, p. 4-13, 1963.
- Eschenbrenner, A. B.** *See* Ingols, R. S. 01956
- Eschner, A. R.** *See* Satterlund, D. R. 00877
- 00410 **Essington, E. H.; Nishita, H.; Steen, A. J.** Release and movement of radionuclides in soils contaminated with fallout materials from an underground thermonuclear detonation: U.S. Atomic Energy Comm. Plowshare Program Rept. PNE-239F, 28 p., June 1964.
- Evans, R. T.** *See* Delay, W. H. 02010
- 01105 **Everett, D. E.** Ground-water appraisal of Edwards Creek valley, Churchill County, Nevada: Nevada Dept. Conserv. and Nat. Resources Ground-Water Resources—Reconn. Ser. Rept. 26, 18 p., Apr. 1964.
- 01107 **Everett, D. E.; Rush, F. E.** Ground-water appraisal of Smith Creek and Ione Valleys, Lander and Nye Counties, Nevada: Nevada Dept. Conserv. and Nat. Resources Ground-Water Resources—Reconn. Ser. Rept. 28, 18 p., July 1964.
- Everett, D. E.** *See* Rush, F. E. 01793
- 01996 **Everts, C. M.** Water quality control, *in* Water resources planning and development: Oregon State Univ. Water Resources Research Inst., Spring Quarter 1964 Seminar, Corvallis, 1964 [Proc.], p. 38-50, July 1964.
- Eyring, Henry.** *See* Marchi, R. P. 00240
- 01539 **Fabregue, H.** Modern alluvial grouting methods and their use in the construction of dam cutoff: Eng. Geology, v. 1, no. 1, p. 38-51, Jan. 1964.
- 00753 **Fader, S. W.** (and others). Geohydrology of Grant and Starton Counties, Kansas: Kansas Geol. Survey Bull. 168, 147 p., Dec. 1964.
- Fader, S. W.** *See* Winslow, J. D. 00755
- 00152 **Fahnestock, R. K.; Maddock, Thomas, Jr.** Preliminary report on bed forms and flow phenomena in the Rio Grande near El Paso, Texas, *in* Geological Survey Research 1964, Chapter B: U.S. Geol. Survey Prof. Paper 501-B, p. B140-B142, June 1964.

- 00049 **Fair, G. M.** Protecting the purity of inland waters: Am. Soc. Civil Engineers Proc. Paper 4148, Sanitary Eng. Div. Jour., v. 90, no. SA 6, p. 1-11, Dec. 1964.
- 02142 **Fairchild, M. G.; McClurg, J. O.** Shasta Valley investigation: California Dept. Water Resources Bull. 87, 170 p., App. A-C, 8 pls., July 1964.
- Falk, L. L.** See O'Connor, D. J. 01154
- Fankhauser, J. C.** See Newton, C. W. 01919
- 00638 **Fanning, C. D.; Lyles, Leon.** Salt concentration of rainfall and shallow groundwater across the Lower Rio Grande Valley: Jour. Geophys. Research, v. 69, no. 4, p. 599-604, Feb. 15, 1964.
- Fanning, C. D.** See Carter, D. L. 01625
- 00899 **Farnes, P. E.; Bulkley, R. V.** Fishery management of Yellowstone Lake, Wyoming as related to water supply forecasts: Western Snow Conf., 32d, Nelson, British Columbia, 1964, Proc., p. 27-32, 1964.
- 01783 **Farnes, P. E.; Cook, S. E.** Federal-State-private cooperative summary of snow survey and soil moisture measurements for Montana, 1922-1964: Bozeman, Mont., U.S. Soil Conserv. Service, 217 p., July 1964.
- Farrell, D. A.** See Philip, J. R. 00702
- Farvolden, R. N.** See Bredehoeft, J. D. 01348
- Fatt, I.** See Timur, A. 00815
- 00060 **Faust, S. D.; Aly, O. M.** Water pollution by organic pesticides: Am. Water Works Assoc. Jour., v. 56, no. 3, p. 267-279, Mar. 1964.
- 01584 **Federal Council, Sci. and Technology.** Federal water resources research program for fiscal year 1965 — a progress report of the Committee on Water Resources Research: Washington, D.C., U.S. Govt. Printing Office, 65 p., Feb. 1964.
- 00387 **Fels, I. G.** Immersion cell for the quantitative determination of liquid absorption, swelling, and density of porous solids: Rev. Sci. Instruments, v. 35, no. 10, p. 1357-1359, Oct. 1964.
- Feltis, R. D.** See Mower, R. W. 00425
- Fenimore, J. W.** See Reichert, S. O. 01396
- 00105 **Fenzl, R. N.; Davis, J. R.** Hydraulic resistance relationships for surface flows in vegetated channels: Am. Soc. Agr. Engineers Trans. (Gen. Ed.), v. 7, no. 1, p. 46-51, 66, Mar. 1964.
- 01161 **Ferguson, H.; Brown, P. L.; Dickey, D. D.** Water movement and loss under frozen soil conditions: Soil Sci. Soc. America Proc., v. 28, no. 5, p. 700-703, Sept.-Oct. 1964.
- Ferguson, Hayden.** See Dickey, D. D. 00306
- 00450 **Fernald, G. H., Jr.** Water resources of the Pacific Northwest: Water Pollution Control Federation Jour., v. 36, no. 10, p. 1225-1228, Oct. 1964.
- 00518 **Feth, J. H.; Rogers, S. M.; Roberson, C. E.** Chemical composition of snow in the northern Sierra Nevada and other areas: U.S. Geol. Survey Water-Supply Paper 1535-J, p. J1-J39, July 1964.
- Feth, J. H.** See Whitehead, H. C. 00720

- 02123 **Feth, J. H.; Roberson, C. E.; Polzer, W. L.** Sources of mineral constituents in water from granitic rocks, Sierra Nevada, California and Nevada: U.S. Geol. Survey Water-Supply Paper 1535-I, p. 11-170, June 1964.
- 02155 **Feth, J. H.** Hidden recharge: Ground Water, v. 2, no. 4, p. 14-17, Oct. 1964.
- Fetner, R. H.** See Ingols, R. S. 01956
- 00170 **Feulner, A. J.; Schupp, R. G.** Temperature and chemical quality of water from a well drilled through permafrost near Bethel, Alaska, in Geological Survey Research 1964, Chapter D: U.S. Geol. Survey Prof. Paper 501-D, p. D144-D148, 1964. [Feb. 1965.]
- 00867 **Feulner, A. J.** Galleries and their use for development of shallow ground-water supplies, with special reference to Alaska: U.S. Geol. Survey Water-Supply Paper 1809-E, p. E1-E16, Sept. 1964.
- Feulner, A. J.** See Cross, W. P. 02006
- 00786 **Fiering, M. B.** Multivariate technique for synthetic hydrology: Am. Soc. Civil Engineers Proc. Paper 4027, Hydraulics Div. Jour., v. 90, no. HY 5, p. 43-60, Sept. 1964.
- Fiering, M. B.** See Yotsukura, Nobuhiro. 00788
- 01769 **Fiering, M. B.** A Markov model for low-flow analysis: Internat. Assoc. Sci. Hydrology Bull., v. 9, no. 2, p. 37-47, June 1964.
- 03015 **Fiering, M. B.** A digital computer solution for well field draw-down: Internat. Assoc. Sci. Hydrology Bull., v. 9, no. 4, p. 16-23, Dec. 1964.
- 00835 **Fink, B. E.** Investigation of ground-water contamination by cotton seed delinting acid waste, Terry County, Texas: Texas Water Comm. Rept. LD-0864, 24 p., Oct. 1964.
- 00257 **Finlayson, D. J.; Rojas, E. H.; Wagner, R. J.** Land and water use in Mendocino coast hydrographic unit, preliminary edition: California Dept. Water Resources Bull. 94-10; v. 1, text, 86 p., App. A-C; v. 2, plates; Mar. 1964.
- 00973 **Finlayson, D. J.; Rojas, E. H.; Wagner, R. J.** Land and water use in Russian River hydrographic unit, Volume 1—Text; preliminary edition: California Dept. Water Resources Bull. 94-11, v. 1, 156 p., App. A-C, Nov. 1964.
- Fishel, V. C.** See Drouhin, G. 01652
- Fisher, D. W.** See Barnes, Ivan. 00509
- Fisher, D. W.** See Gambell, A. W. 01296
- Fisher, Don.** See Yen, Y. C. 00727
- 00632 **Fisher, J. R.** On the formation of calcite and aragonite—a review: Speleo Digest 1962, p. 2-85—2-96, Apr. 1964.
- 00073 **Fishman, M. J.; Skougstad, M. W.; Scarboro, G. F., Jr.** Diazotization method for nitrate and nitrite: Am. Water Works Assoc. Jour., v. 56, no. 5, p. 633-638, May 1964.
- 01669 **Fishman, M. J.; Skougstad, M. W.** Catalytic determination of vanadium in water: Anal. Chemistry, v. 36, no. 8, p. 1643-1646, July 1964.
- 01413 **Fisk, W. W.** Food processing waste disposal: Water and Sewage Works, v. 111, no. 9, p. 417-420, Sept. 1964.

Fitzgerald, G. P. See Allen, M. M. 00448

- 00455 **Fitzgerald, G. P.** The effect of algae on BOD measurements: Water Pollution Control Federation Jour., v. 36, no. 12, p. 1524-1542, Dec. 1964.
- 00681 **Fitzgerald, G. P.; Rohlich, G. A.** Biological removal of nutrients from treated sewage—laboratory experiments: Internat. Assoc. Theoretical and Appl. Limnology Proc., v. 15, pt. 2, p. 597-608, Feb. 1964.
- 00325 **Flanders, A. F.** Report of U.S. Weather Bureau studies in radar hydrology: Internat. Assoc. Sci. Hydrology Pub. 65, p. 360-371, 1964.
- 01066 **Flanigan, L. J.; Putnam, A. A.** The uses of fluid-dynamic modeling techniques: Battelle Tech. Rev., v. 13, no. 2, p. 2-7, Feb. 1964.
- 00285 **Flannery, R. D.; Kirkham, Don.** A soil core water permeameter for field use: Soil Sci., v. 97, no. 4, p. 233-241, Apr. 1964.
- 00316 **Flathe, H.; Pfeiffer, D.** Outlines on the hydrogeology of the Isle of Madura (Indonesia): Internat. Assoc. Sci. Hydrology Pub. 64, p. 543-560, 1964.
- 02161 **Flathe, H.** New ways for the interpretation of geoelectric¹ resistivity measurements in the search for and delimitation of aquifers: Internat. Assoc. Sci. Hydrology Bull., v. 9, no. 1, p. 52-61, Mar. 1964.

Fleck, W. B. See Pollock, S. J. 03016

- 00221 **Flemming, N. C.** Tank experiments on the sorting of beach material during cusp formation: Jour. Sed. Petrology, v. 34, no. 1, p. 112-122, Mar. 1964.

Flint, R. F. See Collier, C. R. 00138

- 01930 **Floyd, E. P.; Weaver, Leo.** Trends of strontium-90 levels in surface waters of the United States, 1959-1963: Radiol. Health Data, v. 5, no. 8, p. 390-394, Aug. 1964.
- 01595 **Fluhr, T. W.** Earth dams in glacial terrain, Catskill Mountain region, New York: Geol. Soc. America Eng. Geology Case Histories 5, p. 15-29, 1964.
- 01725 **Folsom, T. R.; Mohanrao, G. J.** Radioactivity in sewage disposal systems from industrial and medical wastes and fallout: Materials Research and Standards, v. 4, no. 2, p. 69-73, Feb. 1964.

Forbes, M. C. See Connell, C. H. 01822

- 00651 **Ford, E. C.** Upstream flood damage: Jour. Soil and Water Conserv., v. 19, no. 6, p. 231-234, Nov.-Dec. 1964.

Foster, J. B. See Toler, L. G. 00967

- 02072 **Foster, R. F.; Wilson, R. H.** Evaluation of radiological conditions in the vicinity of Hanford for 1963: U.S. Atomic Energy Comm. Research and Devel. Rept. HW-80991, 198 p., Feb. 1964.
- 00379 **Fowler, L. C.; Valantine, V. E.** The coordinated use of ground water basins and surface water delivery facilities: Internat. Assoc. Sci. Hydrology Pub. 64, p. 376-383, 1964.
- 00780 **Fowler, L. C.** Ground-water management for the nation's future—ground-water basin operation: Am. Soc. Civil Engineers Proc. Paper 3985, Hydraulics Div. Jour., v. 90, no. HY 4, p. 51-57, July 1964.
- 01325 **Fox, I. K.; Herfindahl, O. C.** Attainment of efficiency in satisfying demands for water resources, in American Economic Association Annual Meeting, 76th,

- Boston, Massachusetts, 1963, Papers and Proceedings: *Am. Econ. Rev.*, v. 54, no. 3, p. 198–206, May 1964. (Discussion by Nathaniel Wollman, p. 224–226.)
- 01142 **Foxworthy, B. L.; Hogenson, G. M.; Hampton, E. R.** Records of wells and springs, water levels and chemical quality of ground water in the East Portland area, Oregon: Oregon State Engineer Ground Water Rept. 3, 79 p., July 1964.
- 00679 **Föyn, Ernst.** Removal of sewage nutrients by electrolytic treatment: *Internat. Assoc. Theoretical and Appl. Limnology Proc.*, v. 15, pt. 2, p. 569–579, Feb. 1964.
- 02095 **Franck, Marga.** (editor). Bibliographic index — a cumulative bibliography of bibliographies, 1963: New York, H. W. Wilson Co., 308 p., 1964.
- Franks, R. G. E.** *See* O'Connor, D. J. 01154
- Franzini, J. B.** *See* Wang, F. C. 00717
- 00757 **Franzini, J. B.; Hassan, N. A.** Hydraulics of thin film flow: *Am. Soc. Civil Engineers Proc. Paper 3816, Hydraulics Div. Jour.*, v. 90, no. HY 2, p. 23–36, Mar. 1964.
- Franzini, J. B.** *See* Linsley, R. K. 01781
- Frauenthal, H. L.** *See* Perlmutter, N. M. 00163
- Frauenthal, H. L.** *See* Lieber, Maxim. 01803
- 02194 **Frazier, A. H.** Daniel Farrand Henry's cup type "telegraphic" river current meter: *Technology and Culture*, v. 5, no. 4, p. 541–565, Fall 1964.
- 00936 **Frederick, B. J.** Measurement of turbine discharge with radioisotopes: *U.S. Geol. Survey TEI—855 open-file report*, 32 p., Oct. 1964.
- 00904 **Freeman, T. G.** A snow course network for Alaska and the Rampart project: *Western Snow Conf.*, 32d, Nelson, British Columbia, 1964, *Proc.*, p. 93–97, 1964.
- 01490 **Freeze, R. A.** Ground water resources of the Lachine—Saint-Jean area, Quebec (south of St. Lawrence River): *Canada Geol. Survey Bull.* 112, 19 p., 1964.
- 01637 **Fremling, C. R.** Mayfly distribution indicates water quality on the upper Mississippi River: *Science*, v. 146, no. 3648, p. 1164–1166, Nov. 1964.
- French, J. J.** *See* Dale, R. H. 00570
- 00764 **French, J. L.** Tapered inlets for pipe culverts: *Am. Soc. Civil Engineers Proc. Paper 3845, Hydraulics Div. Jour.*, v. 90, no. HY 2, p. 255–299, Mar. 1964.
- 01232 **French, W. E.** A correlation of the currents and sedimentary activity in the Manitou Passage area of Lake Michigan, *in* Conference on Great Lakes Research, 7th, Toronto, Canada, 1964, *Proceedings: Michigan Univ. Great Lakes Research Div. Pub.* 11, p. 142–146, 1964.
- Frenkel, M.** *See* Alon, A. 01050
- 00461 **Fridley, H. M.; Eddy, G. E.** Divide shifting between the Ohio and Monongahela Rivers: *West Virginia Acad. Sci. Proc.*, v. 36, p. 152–153, 1964.
- 00386 **Friedman, Irving.** (and others). The variation of the deuterium content of natural waters in the hydrological cycle: *Rev. Geophysics*, v. 2, no. 1, p. 177–224, Feb. 1964.
- 01622 **Frink, C. R.** The effects of wash solvents on cation-exchange capacity measurements: *Soil Sci. Soc. America Proc.*, v. 28, no. 4, p. 506–511, July–Aug. 1964.

- 00911 **Froelich, L. L.** Ground-water survey of the Surrey area, Ward County, North Dakota: North Dakota Water Conserv. Comm. North Dakota Ground-Water Studies 58, 62 p., 1964.
- 00914 **Froelich, L. L.** Investigation of ground water conditions in the Bottineau area, Bottineau County, North Dakota: North Dakota Water Conserv. Comm. North Dakota Ground-Water Studies 52, 60 p., 1963.
- 01121 **Froelich, L. L.** Ground-water survey of the Amenias area, Cass County, North Dakota: North Dakota Water Conserv. Comm. North Dakota Ground-Water Studies 59, 20 p., 1964.
- 01122 **Froelich, L. L.** Ground-water survey of the Sheyenne area, Eddy County, North Dakota: North Dakota Water Conserv. Comm. North Dakota Ground-Water Studies 60, 46 p., 1964.
- 00447 **Frolander, H. F.** Biological and chemical features of tidal estuaries: Water Pollution Control Federation Jour., v. 36, no. 8, p. 1037-1048, Aug. 1964.
- 01301 **Fryberger, J. S.** A hydrologic analysis of the groundwater-heat interchange for a heat pump system: Eng. Geology, v. 1, no. 2, p. 54-58, July 1964.
- 00733 **Fujioka, Y.; Kitamura, T.** Approximate solution of a vertical drainage problem: Jour. Geophys. Research, v. 69, no. 24, p. 5249-5255, Dec. 15, 1964.
- 00287 **Fukuda, Hitoshi.** Subdrainage in heavy soils—theoretical considerations: Soil Sci., v. 97, no. 4, p. 281-285, Apr. 1964.
- Furness, L. W.** See Petri, L. R. 00516
- 01452 **Furness, L. W.; Burns, C. V.; Busby, M. W.** Kansas streamflow characteristics, Part 5 — Storage requirements to control high flow: Kansas Water Resources Board Tech. Rept. 5, 169 p., June 1964.
- 01862 **Gain, E. W.** Nature and scope of surface drainage in Eastern United States and Canada: Am. Soc. Agr. Engineers Trans. (Gen. Ed.), v. 7, no. 2, p. 167-169, June 1964.
- Gaines, J. C.** See Brackbill, R. M. 00232
- Gakstatter, J. H.** See Weiss, C. M. 00437
- 00592 **Gallaher, J. T.** Geology and hydrology of alluvial deposits along the Ohio River in the Henderson area, Kentucky: U.S. Geol. Survey Hydrol. Inv. Atlas HA-91, 3 sheets, 1964. [Jan. 1965.]
- 01196 **Gallaher, J. T.** Geology and hydrology of alluvial deposits along the Ohio River between the Wolf Creek and West Point areas, Kentucky: U.S. Geol. Survey Hydrol. Inv. Atlas HA-95, 1 sheet, Mar. 1964.
- 01198 **Gallaher, J. T.** Geology and hydrology of alluvial deposits along the Ohio River in the Stanley area, Kentucky: U.S. Geol. Survey Hydrol. Inv. Atlas HA-110, 2 sheets, July 1964.
- 01199 **Gallaher, J. T.** Geology and hydrology of alluvial deposits along the Ohio River between the Uniontown area and Wickliffe, Kentucky: U.S. Geol. Survey Hydrol. Inv. Atlas HA-129, 1 sheet, Aug. 1964.
- Gallatin, M. H.** See Lunin, J. 01623
- 01296 **Gambell, A. W.; Fisher, D. W.** Occurrence of sulfate and nitrate in rainfall: Jour. Geophys. Research, v. 69, no. 20, p. 4203-4210, Oct. 15, 1964.
- Gamble, C. R.** See Speer, P. R. 01207

- Gamble, C. R.** See Speer, P. R. 02029
- 01457 **Gamble, M. D.; Rhoades, E. D.** Effect of shoreline fluctuations on grasses associated with upstream flood prevention and watershed protection: *Agronomy Jour.*, v. 56, no. 1, p. 21-23, Jan.-Feb. 1964.
- 00734 **Gamson, B. W.** (and others). Nuclear magnetism logging field results: *Jour. Petroleum Technology*, v. 16, no. 2, p. 150-156, Feb. 1964.
- Gannon, J. J.** See Velz, C. J. 00685
- 00992 **Gannon, J. J.** Supplement to 1960 report, drought flow characteristics of Michigan streams: Ann Arbor, Michigan Water Resources Comm., 140 p., Feb. 1964.
- 01720 **Gannon, J. J.** Definition of river drought flow characteristics, Part 2—Additional considerations of the Michigan drought study: *Internat. Assoc. Sci. Hydrology Bull.*, v. 9, no. 2, p. 64-70, June 1964.
- 01721 **Gannon, J. J.** Definition of river drought flow characteristics: *Internat. Assoc. Sci. Hydrology Pub.* 63, p. 137-150, 1964.
- García, José.** See Schoff, S. L. 01975
- 02195 **Garder, Karen; Skulberg, Olav.** Sorption phenomena of radionuclides to clay particles in river water: *Internat. Jour. Air and Water Pollution*, v. 8, nos. 3-4, p. 229-241, Mar.-Apr. 1964.
- Gardner, H. R.** See Hanks, R. J. 01619
- Gardner, J. L.** See Kincaid, D. R. 01363
- Gardner, W. R.** See Ehlig, C. F. 00082
- 00812 **Gardner, W. R.; Nieman, R. H.** Lower limit of water availability to plants: *Science*, v. 143, no. 3613, p. 1460-1462, Mar. 1964.
- 01058 **Garrett, H. E.; Walker, A. J.** The spectrophotometric determination of silicic acid in dilute solution: *Analyst*, v. 89, no. 1063, p. 642-650, Oct. 1964.
- Garrison, J. M.** See Elder, R. A. 00430
- Garrison, W. E.** See Parkhurst, J. D. 01856
- 02196 **Garstka, W. U.** Snow and snow survey, sec. 10, in Chow, V. T., ed., *Handbook of applied hydrology*: New York, McGraw-Hill, p. 10-1 to 10-57, 1964.
- 01335 **Garza, Sergio.** (compiler). Ground-water discharge from the Edwards and associated limestones, San Antonio area, Texas, 1963: [Texas] Edwards Underground Water Dist. Bull. 5, 3 p., Aug. 1964.
- 03003 **Garza, Sergio.** (compiler). Chemical analyses of water from observation wells in the Edwards and associated limestones, San Antonio area, Texas, 1963: [Texas] Edwards Underground Water Dist. Bull. 4, 15 p., Jan. 1964.
- 03005 **Garza, Sergio.** (compiler). Records of precipitation, aquifer head, and ground-water recharge to the Edwards and associated limestones, San Antonio area, Texas, 1963: [Texas] Edwards Underground Water Dist. Bull. 6, 7 p., Oct. 1964.
- 00654 **Gast, R. G.; East, P. J.** Potentiometric, electrical conductance and self-diffusion measurements in clay-water systems, in *Clays and clay mineral*: National Conference, 12th, Atlanta, Georgia, 1963, Proceedings: New York, Macmillan, p. 297-310, 1964.

Gateman, J. C. See Chakravorty, S. K. 00747

- 01013 **Gatewood, J. S.** (and others). General effects of drought on water resources of the Southwest: U.S. Geol. Survey Prof. Paper 372-B, p. B1-B55, Jan. 1964.
- 00487 **Gaufin, A. R.** Biological indicators of pollution, in *Water quality and chemicals—industrial and agricultural: Water for Texas Conf.*, 9th, College Station, Tex., 1964, Proc., p. 32-36, 1964.
- 01873 **Gaufin, A. R.** Taste and odor production in reservoirs by blue-green algae: Am. Water Works Assoc. Jour., v. 56, no. 10, p. 1345-1350, Oct. 1964.
- 00069 **Gelston, W. R.** Quality of Mississippi River water: Am. Water Works Assoc. Jour., v. 56, no. 5, p. 528-534, May 1964.
- 00267 **Getty, R. E.** New hope for public land watersheds: Am. Forests, v. 70, no. 12, p. 14-19, Dec. 1964.
- 01064 **Getz, M. E.** A preliminary investigation into the quantitative determination of organophosphorus pesticide residues by conversion to orthophosphate ion: Assoc. Official Agr. Chemists Jour., v. 47, no. 6, p. 1103-1105, Dec. 1964.
- 01905 **Getz, M. E.; Watts, R. R.** Application of 4-(*p*-nitrobenzyl)pyridine as a rapid quantitative reagent for organophosphate pesticides: Assoc. Official Agr. Chemists Jour., v. 47, no. 6, p. 1094-1102, Dec. 1964.
- Gevantman, L. H.** See Yang, J. Y. 00245
- Geyer, J. C.** See Linaweaver, F. P., Jr. 01875
- Ghosh, P. K.** See Taylor, G. C., Jr. 00525
- 01004 **Gilbert, C. R.** (and others). Hydrologic studies of small watersheds, Honey Creek basin, Collin and Grayson Counties, Texas, 1953-59: U.S. Geol. Survey Water-Supply Paper 1779-F, p. F1-F98, July 1964.
- Giles, G. C.** See Waananen, A. O. 01188
- 00412 **Gilkey, M. M.; Beckman, R. T.** Water requirements and uses in Arizona mineral industries: U.S. Bur. Mines Inf. Circ. 8162, 97 p., 1963.
- 01651 **Gillespie, A. S., Jr.; Richter, H. G.** Radio release determination of vanadium in water: Anal. Chemistry, v. 36, no. 13, p. 2473-2474, Dec. 1964.
- 01786 **Gillespie, W. H.; Clendening, J. A.** West Virginia geology, archeology, and pedology—a bibliography and index: Morgantown, West Virginia Univ. Libr., 241 p., 1964.
- 01513 **Gilman, C. S.** Rainfall, sec. 9, in Chow, V. T., ed., *Handbook of applied hydrology*: New York, McGraw-Hill, p. 9-1 to 9-68, 1964.
- Gimlett, J. I.** See Cartwright, Keros. 01369
- 02053 **Giovinetto, M. B.** Distribution of diagenetic snow facies in Antarctica and in Greenland: Arctic, v. 17, no. 1, p. 33-40, Mar. 1964.
- 00908 **Giroux, P. R.; Huffman, G. C.** Summary of ground-water conditions in Michigan, 1963: Michigan Geol. Survey Div. Water Supply Rept. 8, 88 p., 1964.
- 01676 **Giroux, P. R.** (and others). Water resources of Van Buren County, Michigan: Michigan Geol. Survey Div. Water Inv. 3, 144 p., 1964.
- 01217 **Gjessing, E. T.** Ferrous iron in water: Limnology and Oceanography, v. 9, no. 2, p. 272-274, Apr. 1964.

- 00230 **Glass, M. E.** Water for Nevada—the reclamation controversy, 1885–1902: Nevada Univ. Nevada Studies in History and Political Sci. No. 7, 62 p., 1964.
- Glover, E. D.** See Sippel, R. F. 01395
- 00135 **Glover, R. E.** Dispersion of dissolved or suspended materials in flowing streams: U.S. Geol. Survey Prof. Paper 433–B, p. B1–B32, Jan. 1964.
- 01169 **Glover, R. E.** Ground-water movement: U.S. Bur. Reclamation Eng. Mon. 31, 76 p., Feb. 1964. [Second printing, Apr. 1966.]
- Gloyna, E. F.** See Ledbetter, J. O. 00046
- Gnaedinger, J. P.** See Johnson, A. I. 02068
- 01037 **Goddard, J. E.** Flood plain management improves man's environment: Am. Soc. Civil Engineers Proc. Paper 3702, Waterways and Harbors Div. Jour., v. 89, no. WW 4, p. 67–84, Nov. 1963.
- 01589 **Godschalk, H. J.** Water wells for the Navajo: Water Well Jour., v. 18, no. 10, p. 14–15, 41, Oct. 1964.
- 00370 **Goldberg, V. M.; Babushkin, V. D.** Prediction of the variations in salt content when withdrawing fresh ground water contacting with saline water: Internat. Assoc. Sci. Hydrology Pub. 64, p. 106–111, 1964.
- 01479 **Golden, Anthony.** (and others). Photochemistry of long-chain fatty alcohols for evaporation control: Am. Water Works Assoc. Jour., v. 56, no. 6, p. 784–792, June 1964.
- Golden, H. G.** See Newcome, Roy, Jr. 03031
- 01978 **Golzé, A. R.** Educational requirements for water resource engineers: Am. Soc. Civil Eng. Proc. Paper 3890, Jour. Prof. Practice, v. 90, no. PP2, p. 7–13, May 1964.
- 02099 **Golzé, A. R.** Progress report on the California water project: Am. Water Works Assoc. Jour., v. 56, no. 3, p. 247–256, Mar. 1964.
- 02100 **Golzé, A. R.** Progress report on development of the California State water project: Ground Water, v. 2, no. 2, p. 35–41, Apr. 1964.
- Gonthier, J. B.** See Schiner, G. R. 00891
- Gonthier, J. B.** See Schiner, G. R. 00892
- 00846 **Goode, H. D.** Reconnaissance of water resources of a part of western Kane County, Utah: Utah Geol. and Mineralog. Survey Water–Resources Bull. 5, 63 p., Aug. 1964.
- Goodell, H. G.** See Holmes, C. W. 00222
- 00072 **Goodenkauf, Arley; Erdei, Joseph.** Identification of chlorinated hydrocarbon pesticides in river water: Am. Water Works Assoc. Jour., v. 56, no. 5, p. 600–606, May 1964.
- Gordon, E. D.** See McGreevy, L. J. 00574
- 01700 **Gordon, E. D.** Cooperative ground-water investigations in Wyoming during 1963 and 1964, in 37th biennial report of the State Engineer to the Governor of Wyoming, 1963–1964: Cheyenne, Wyoming State Engineer, p. 90–99, Nov. 1964.
- 01222 **Gorham, Eville.** Morphometric control of annual heat budgets in temperate lakes: Limnology and Oceanography, v. 9, no. 4, p. 525–529, Oct. 1964.

- 01670 **Gorham, P. R.** Toxic algae as a public health hazard: *Am. Water Works Assoc. Jour.*, v. 56, no. 11, p. 1481-1488, Nov. 1964.
- Gorsline, G. W.** See Aubertin, G. M. 00081
- 01516 **Gottschalk, L. C.** Reservoir sedimentation, part 1, of *Sedimentation*, sec. 17, in Chow, V. T., ed., *Handbook of applied hydrology*: New York, McGraw-Hill, p. 17-1 to 17-34, 1964.
- Gould, M. L.** See Willets, D. B. 00313
- 01536 **Graham, R. E.** Municipal water supply and recreation—are they compatible?, in *Water—development, utilization, conservation*: Western Resources Conf., 5th, Colorado State Univ., 1963, Western Resources Papers, Boulder, Univ. Colorado Press, p. 31-35, 1964.
- 03021 **Grande, Magne.** Water pollution studies in the River Otra, Norway—effects of pulp and paper mill wastes on fish: *Internat. Jour. Air and Water Pollution*, v. 8, no. 1, p. 77-88, Jan. 1964.
- Grant, A. C.** See Hobson, G. D. 01078
- 01540 **Grant, L. F.** Application of the unit take concept in evaluating grout hole drilling methods: *Eng. Geology*, v. 1, no. 1, p. 52-67, Jan. 1964.
- 01092 **Grasshoff, K.** On the determination of silica in sea water: *Deep-Sea Research*, v. 11, no. 4, p. 597-604, Aug. 1964.
- 01249 **Green, A. R.** Magnitude and frequency of floods in the United States, Part 1-A—North Atlantic slope basins, Maine to Connecticut: U.S. Geol. Survey Water-Supply Paper 1671, 260 p., Oct. 1964.
- 00662 **Green, C. R.; Sellers, W. D.** (editors). *Arizona climate*: Tucson, Univ. Arizona Press, 503 p., 1964.
- 01796 **Green, J. H.** The effect of artesian—pressure decline on confined aquifer systems and its relation to land subsidence: U.S. Geol. Survey Water-Supply Paper 1779-T, p. T1-T11, Apr. 1964.
- 00302 **Green, R. E.; Hanks, R. J.; Larson, W. E.** Estimates of field infiltration by numerical solution of the moisture flow equation: *Soil Sci. Soc. America Proc.*, v. 28, no. 1, p. 15-19, Jan.-Feb. 1964.
- 01318 **Green, R. S.** Data gathering and monitoring equipment in water supply and water pollution control programs: *Water and Sewage Works—Reference No.*, v. 111, p. R48-R52, Nov. 30, 1964.
- 01697 **Green, R. S.** The storage and retrieval of data for water quality control: Washington, D.C., U.S. Public Health Service, Div. Water Supply and Pollution Control, 36 p., 1964.
- 00648 **Green, W. A.** Comprehensive river basin planning—economic considerations: *Jour. Soil and Water Conserv.*, v. 19, no. 4, p. 143-146, July-Aug. 1964.
- 01702 **Greenberg, A. E.** Plankton of the Sacramento River: *Ecology*, v. 45, no. 1, p. 40-49, 1964.
- 00675 **Greenberg, Rima; Weise, Ursula; Kingery, R. A.** (compilers and editors). *A summary of engineering research, 1964*: Urbana, Illinois Univ. Eng. Expt. Sta., 176 p., Nov. 1964. (Also issued as *Illinois Univ. Bull.*, v. 62, no. 29, 176 p., Nov. 1964.)
- 00919 **Greenkorn, R. A.; Johnson, C. R.; Shallenberger, L. K.** Directional permeability of heterogeneous anisotropic porous media: *Soc. Petroleum Engineers Jour.*, v. 4, no. 2, p. 124-132, June 1964. [Discussion, v. 4, no. 4, p. 363-364, Dec. 1964.]

- 02197 **Greenough, Tallant.** Water and wildlife, *in* Oregon's water problems and future needs, State Water Resources Conference: Oregon Water Resources Board, Salem, Oreg., 1964, Proc., p. [A]47-[A]50, 1964.
- 01531 **Greenshields, E. L.** Water has a key role, *in* Farmer's world—The yearbook of agriculture, 1964: Washington, D. C., U.S. Dept. Agriculture, p. 75-96, 1964.
- Gregg, D. O.** See McGovern, H. E. 00028
- Griffin, M. S.** See Weld, B. A. 01441
- 00204 **Griffin, R. H.** Report of the Federal Power Commission, *in* Nevada Water Conference, 18th, Carson City, 1964, Proceedings: Carson City, Nevada Dept. Conserv. and Nat. Resources, p. 89-91, 1964.
- Griffin W. C** See Meyer, Gerald. 02224
- 00556 **Griggs, R. L.** Geology and ground-water resources of the Los Alamos area, New Mexico, *with a section on* Quality of water, by J. D. Hem: U.S. Geol. Survey Water-Supply Paper 1753, 107 p., Sept. 1964.
- Grine, D. R.** See Morris, R. L. 00740
- 01159 **Grover, B. L.; Cahoon, G. A.; Hotchkiss, C. W.** Moisture relations of soil inclusions of a texture different from the surrounding soil: Soil Sci. Soc. America Proc., v. 28, no. 5, p. 692-695, Sept.-Oct. 1964.
- 00465 **Grune, Werner.** (and others). Feasibility studies for the establishment of parameters for background radiation measurements, chap. 40, *in* Adams, J. A. S., and Lowder, W. M., eds., The natural radiation environment: Houston, Tex., William Marsh Rice Univ., p. 661-686, 1964.
- 01289 **Gschwendtner, J. v. G.** Reproduction of the runoff-record of the Rio Motatan by rain data, establishing the true monthly runoff-factor: Internat. Assoc. Sci. Hydrology Bull., v. 9, no. 1, p. 71-79, Mar. 1964.
- 02166 **Guardino, S. T.** Progress in the water well construction industry: Ground Water, v. 2, no. 1, p. 31-34, Jan. 1964.
- 00678 **Gunnerson, C. G.** Diurnal and random variations of dissolved oxygen in surface waters: Internat. Assoc. Theoretical and Appl. Limnology Proc., v. 15, pt. 1, p. 307-321, Feb. 1964.
- 01644 **Gunnerson, C. G.; Morris, J. M., Jr.** Interrelationships of suspended sediment and water quality: Internat. Assoc. Sci. Hydrology Pub. 64, p. 25-33, 1964.
- Gupta, R. P.** See Swartzendruber, Dale. 00292
- 00301 **Gupta, R. P.; Swartzendruber, Dale.** Entrapped air content and hydraulic conductivity of quartz sand during prolonged liquid flow: Soil Sci. Soc. America Proc., v. 28, no. 1, p. 9-12, Jan.-Feb. 1964.
- 01165 **Gupta, R. P.; Staple, W. J.** Infiltration into vertical columns of soil under a small positive head: Soil Sci. Soc. America Proc., v. 28, no. 6, p. 727-732, Nov.-Dec. 1964.
- 01606 **Gurnham, C. F.** Water standards ... Yours or mine?: Indus. Water Eng., v. 1, no. 6, p. 16-18, Nov.-Dec. 1964.
- 02092 **Gustafson, P. F.; Brar, S. S.** Measurement of γ -emitting radionuclides in soils and calculation of the dose arising therefrom, chap. 31, *in* Adams, J. A. S., and Lowder, W. M., eds., The natural radiation environment: Houston, Tex., William Marsh Rice Univ., p. 499-512, 1964.

- 01444 **Gutermann, W. H.; Lisk, D. J.** Gas chromatographic method for silvex: *Am. Water Works Assoc. Jour.*, v. 56, no. 2, 189-190, Feb. 1964.
- 00136 **Guy, H. P.** An analysis of some storm-period variables affecting stream sediment transport: *U.S. Geol. Survey Prof. Paper* 462-E, p. E1-E46, May 1964.
- 00137 **Guy, H. P.; Simons, D. B.** Dissimilarity between spatial and velocity-weighted sediment concentrations, Art. 149 *in* *Short papers in geology and hydrology*: *U.S. Geol. Survey Prof. Paper* 475-D, p. D134-D137, Mar. 1964.
- 00183 **Guyod, Hubert.** Use of geophysical logs in soil engineering, *in* *Symposium on soil exploration*: *Am. Soc. Testing and Materials Spec. Tech. Pub.* 351, p. 74-85, 1964.
- 01047 **Guyon, J. C.** Spectrophotometric determination of tantalum as reduced 12 molybdotantalic acid: *Anal. Chim. Acta*, v. 30, no. 4, p. 395-400, Apr. 1964.
- 00111 **Gwinn, W. R.** Walnut Gulch supercritical measuring flume: *Am. Soc. Agr. Engineers Trans. (Gen. Ed.)*, v. 7, no. 3, p. 197-199, Nov. 1964.
- 01443 **Haber, David.** Arizona vs. California—a brief review: *Nat. Resources Jour.*, v. 4, no. 1, p. 17-18, May 1964.
- Hackett, O. M.** See Baker, J. A. 00548
- 02164 **Hackett, O. M.** The father of modern ground-water hydrology: *Ground Water*, v. 2, no. 2, p. 2-5, Apr. 1964.
- 01744 **Hadjiioannou, T. P.** Automatic ultramicro determination of iodine in natural waters: *Anal. Chim. Acta*, v. 30, no. 5, p. 488-494, May 1964.
- Hadley, R. F.** See Rolfe, B. N. 00657
- 00630 **Hadzeriga, Pablo.** Some aspects of the physical chemistry of potash recovery by solar evaporation of brines: *Soc. Mining Engineers Trans.*, v. 229, p. 169-174, June 1964.
- 00652 **Hague, A. B., Jr.** Resolving conflicts in natural resource allocation: *Jour. Soil and Water Conserv.*, v. 19, no. 6, p. 241-244, Nov.-Dec. 1964.
- 00845 **Hahl, D. C.; Langford, R. H.** Dissolved-mineral inflow to Great Salt Lake and chemical characteristics of the Salt Lake brine, Part 2—Technical report: *Utah Geol. and Mineralog. Survey Water-Resources Bull.* 3, 40 p., Sept. 1964.
- 00512 **Halberg, H. N.; Hunt, O. P.; Pauszek, F. H.** Water resources of the Albany-Schenectady-Troy area, New York: *U.S. Geol. Survey Water-Supply Paper* 1499-D, p. D1-D64, Jan. 1964.
- 00859 **Halberg, H. N.; Reed, J. E.** Ground-water resources of eastern Arkansas in the vicinity of U.S. Highway 70: *U.S. Geol. Survey Water-Supply Paper* 1779-V, p. V1-V38, Oct. 1964.
- 01098 **Halevy, E.** The exchangeability of hydroxyl groups in kaolinite: *Geochim. et Cosmochim. Acta*, v. 28, no. 7, p. 1139-1145, July 1964.
- 01630 **Hall, F. R.** Calculated chemical composition of some sulfate-bearing waters: *Internat. Assoc. Sci. Hydrology Pub.* 64, p. 7-15, 1964.
- Hall, J. B.** See Harleman, D. R. F. 01240
- 00102 **Hall, W. A.** Water requirements for vegetation in an urban environment: *Am. Soc. Agr. Engineers Trans. (Gen. Ed.)*, v. 7, no. 1, p. 17-19, 21, Mar. 1964.

- 00776 **Hall, W. A.** Optimum design of a multiple-purpose reservoir: Am. Soc. Civil Engineers Proc. Paper 3972, Hydraulics Div. Jour., v. 90, no. HY 4, p. 141-149, July 1964.
- 01406 **Halmos, E. E., Jr.** Futile search for fresh water: Water and Sewage Works, v. 111, no. 6, p. 288-289, June 1964.
- 00014 **Hamilton, J. J.** Volume changes in undisturbed clay profiles in western Canada: Canadian Geotech. Jour., v. 1, no. 1, p. 27-42, Sept. 1963.
- 00042 **Hammad, H. Y.** Design of tile drainage for arid regions: Am. Soc. Civil Engineers Proc. Paper 4036, Irrig. and Drainage Div. Jour., v. 90, no. IR 3, p. 1-15, Sept. 1964.
- 01284 **Hammond, E. H.** Classes of land-surface form in the forty-eight States, U.S.A.: Assoc. Am. Geographers Annals, v. 54, no. 1, map supp. 4, Mar. 1964.
- Hammond, E. W.** See Egan, H. 02119
- 01801 **Hamon, W. R.** Computation of direct runoff amounts from storm rainfall: Internat. Assoc. Sci. Hydrology Pub. 63, p. 52-62, 1964.
- 00523 **Hampton, E. R.; Brown, S. G.** Geology and ground-water resources of the upper Grande Ronde River basin, Union County, Oregon: U.S. Geol. Survey Water-Supply Paper 1597, 99 p., Mar. 1964.
- Hampton, E. R.** See Foxworthy, B. L. 01142
- 01967 **Hampton, E. R.** Geologic factors that control the occurrence and availability of ground water in the Fort Rock Basin, Lake County, Oregon: U.S. Geol. Survey Prof. Paper 383-B, p. B1-B29, Sept. 1964.
- 00066 **Hanes, N. B.; Sarles, W. B.; Rohlich, G. A.** Dissolved oxygen and survival of coliform organisms and enterococci: Am. Water Works Assoc. Jour., v. 56, no. 4, p. 441-446, Apr. 1964.
- Hanks, R. J.** See Green, R. E. 00302
- Hanks, R. J.** See Adams, J. E. 01612
- 01619 **Hanks, R. J.; Gardner, H. R.** Portable integrator for net radiation, total radiation, and soil heat flow: Soil Sci. Soc. America Proc., v. 28, no. 3, p. 449-450, May-June 1964.
- 01701 **Hanly, T. F.** Water quality records, in 37th biennial report of the State Engineer to the Governor of Wyoming, 1963-1964: Cheyenne, Wyoming State Engineer, p. 100-106, Nov. 1964.
- 01955 **Hanna, G. P.** (and others). A field study of LAS biodegradation, part 2: Water and Sewage Works, v. 111, no. 12, p. 518-524, Dec. 1964.
- 01140 **Hanna, G. P., Jr.** The relation of water to strip-mine operation: Ohio Jour. Sci., v. 64, no. 2, p. 120-124, Mar. 1964.
- 00898 **Hannaford, J. F.** Development of a digital river basin model: Western Snow Conf., 32d, Nelson, British Columbia, 1964, Proc., p. 20-26, 1964.
- 00935 **Hansen, A. J., Jr.; Schiner, G. R.** Ground-water resources of Elock Island, Rhode Island: Rhode Island Water Resources Coordinating Board Geol. Bull. 14, 35 p., 1964.
- 00635 **Hansen, O. S.** Map requirements for water resources development in foreign aid programs: Surveying and Mapping, v. 24, no. 3, p. 423-424, Sept. 1964.

- Hansen, V. E.** See Bassett, D. C. 01271
- 01550 **Hansen, W. R.** Sewage disposal and its effects on ground water beneath Livermore Valley: *Eng. Geology*, v. 1, no. 2, p. 22-36, July 1964.
- 00656 **Hanshaw, B. B.** Cation-exchange constants for clays from electrochemical measurements, *in* Clays and clay minerals, National Conference, 12th, Atlanta, Georgia, 1963, Proceedings: New York, Macmillan, p. 397-421, 1964.
- 00070 **Hanson, L. E.** Quality and cost evaluation of treatment processes for a specific water: *Am. Water Works Assoc. Jour.*, v. 56, no. 5, p. 535-542, May 1964.
- 00120 **Hanson, T. L.; Johnson, H. P.** Unit hydrograph methods compared: *Am. Soc. Agr. Engineers Trans. (Gen. Ed.)*, v. 7, no. 4, p. 448-451, Dec. 1964.
- 00038 **Hantush, M. S.** Supplement to Peterson's design of replenishment wells: *Am. Soc. Civil Engineers Proc. Paper 3838, Irrig. and Drainage Div. Jour.*, v. 90, no. IR 1, pt. 1, p. 67-76, Mar. 1964.
- 00715 **Hantush, M. S.** Depletion of storage, leakage, and river flow by gravity wells in sloping sands: *Jour. Geophys. Research*, v. 69, no. 12, p. 2551-2560, June 15, 1964.
- 00728 **Hantush, M. S.** Drawdown around wells of variable discharge: *Jour. Geophys. Research*, v. 69, no. 20, p. 4221-4235, Oct. 15, 1964.
- 01777 **Hantush, M. S.** Hydraulics of wells, *in* Chow, V. T., ed., *Advances in hydrosience*: New York, Academic Press, p. 281-432, 1964.
- 00044 **Harbeck, G. E., Jr.** Estimating forced evaporation from cooling ponds: *Am. Soc. Civil Engineers Proc. Paper 4061, Power Div. Jour.*, v. 90, no. PO3, p. 1-9, Oct. 1964.
- Harding, W. E.** See LaSala, A. M., Jr. 00906
- 00142 **Hardison, C. H.** Reservoir storage on streams having log-normal distributions of annual discharge, Art. 164 *in* Short papers in geology and hydrology: *U.S. Geol. Survey Prof. Paper 475-D*, p. D192-D193, Mar. 1964.
- 01666 **Hardt, W. F.; Cattany, R. E.; Kister, L. R.** Basic ground-water data for western Pinal County, Arizona: *Arizona Land Dept. Water Resources Rep.* 18, 59 p., Dec. 1964.
- Hare, C. E.** See Heck, E. T. 01019
- Harford, J. W.** See Edgerton, H. E. 00684
- 02198 **Harford, J. W.** Sonar "eyes" for marine research: *Internat. Assoc. Theoretical and Appl. Limnology Proc.*, v. 15, pt. 2, p. 1029-1033, Feb. 1964.
- 01240 **Harleman, D. R. F.; Bunker, R. M.; Hall, J. B.** Circulation and thermocline development in a rotating lake model, *in* Conference on Great Lakes Research, 7th, Toronto, Canada, 1964, Proceedings: Michigan Univ. Great Lakes Research Div. Pub. 11, p. 340-356, 1964.
- 01934 **Harley, N. H.** A nomograph for the solution of stream pollution equations: *Water and Sewage Works*, v. 111, no. 3, p. 144-146, Mar. 1964.
- 01349 **Harpaz, Y.; Bear, J.** Investigations on mixing of waters in underground storage operations: *Internat. Assoc. Sci. Hydrology Pub.* 64, p. 132-153, 1964.
- 00511 **Harris, D. D.; Richardson, E. V.** Stream gaging control structure for the Rio Grande conveyance channel near Bernardo, New Mexico: *U.S. Geol. Survey Water-Supply Paper 1369-E*, p. 123-154, Oct. 1964.

- 00522 **Harris, E. E.; Rantz, S. E.** Effect of urban growth on streamflow regimen of Permanente Creek, Santa Clara County, California: U.S. Geol. Survey Water Supply Paper 1591-B, p. B1-B18, Sept. 1964.
- 01454 **Harris, W. H.; Wilder, H. B.** Ground-water supply of Cape Hatteras National Seashore recreational area, North Carolina, part 3: North Carolina Div. Ground Water Rept. Inv. 4, 22 p., 1964.
- 01355 **Harrison, A. E.** Ice surges on the Muldrow Glacier, Alaska: Jour. Glaciology, v. 5, no. 39, p. 365-368, Oct. 1964.
- 00008 **Harrison, D. A.** A reconnaissance glacier and geomorphological survey of the Duart Lake area, Bruce Mountains, Baffin Island, N.W.T.: Canada Dept. Mines and Tech. Surveys Geog. Br. Geog. Bull. 22, p. 57-71, 1964.
- 00475 **Harrison, W.; Lynch, M. P.; Altschaeff, A. G.** Sediments of the lower Chesapeake Bay, with emphasis on mass properties: Jour. Sed. Petrology, v. 34, no. 4, p. 727-755, Dec. 1964.
- Harrold, L. L.** See Young, M. C. 00080
- 00327 **Harrold, L. L.; Dreibelbis, F. R.** Evidence of errors in evaluation of dew amounts by the Coshocton lysimeters: Internat. Assoc. Sci. Hydrology Pub. 65, p. 425-431, 1964.
- 00803 **Hart, C. W., Jr.** A contribution to the limnology of Jamaica and Puerto Rico: Caribbean Jour. Sci., v. 4, no. 2-3, p. 331-334, June-Sept. 1964.
- Hart, W. E.** See Amorocho, J. 00094
- 01502 **Harvard Water Resources Group.** Indus River basin studies: Cambridge, Mass., Harvard Univ. Div. Eng. and Appl. Physics, 258 p., 1964.
- 03029 **Harvey, E. J.; Callahan, J. A.; Wasson, B. E.** Ground-water resources of Hinds, Madison, and Rankin Counties, Mississippi: Mississippi Board Water Commissioners Bull. 64-1, 38 p., Apr. 1964.
- 01164 **Haskell, C. C.; Hawkins, R. H.** D_2O-Na^{24} method for tracing soil moisture movement in the field: Soil Sci. Soc. America Proc., v. 28, no. 6, p. 725-728, Nov.-Dec. 1964.
- Haskell, E. E., Jr.** See Bianchi, W. C. 01467
- Haskin, H. H.** See Dean, David. 01224
- Hassan, N. A.** See Wang, F. C. 00717
- Hassan, N. A.** See Franzini, J. B. 00757
- 02261 **Hasselbrink, Lyle.** Navigation, in Oregon's water problems and future needs, State Water Resources Conference: Oregon Water Resources Board, Salem, Oreg., 1964, p. [A]21-[A]27, 1964.
- 01342 **Haughey, F. J.; Manganelli, R. M.** A method for the measurement of the radioactive content of wastewater: Water Pollution Control Federation Jour., v. 36, no. 1, p. 88-95, Jan. 1964.
- 01059 **Haus, J. B.; Manolev, Lazar; Price, R. W.** Chromatographic determination of sulfoxide: Assoc. Official Agr. Chemists Jour., v. 47, no. 2, p. 264-268, Apr. 1964.
- 00214 **Hawaii Div. Water and Land Devel.** Summary of drilling log and pumping test for Pulama well 9-10, Pulama, Puna, Hawaii: Hawaii Div. Water and Land Devel. Circ. C26, 12 p., May 1964.

- 00215 **Hawaii Div. Water and Land Devel.** Summary of drilling log and pumping test for Makena well 68, Makena, Maui, Hawaii: Hawaii Div. Water and Land Devel. Circ. C28, 13 p., Nov. 1964.
- 01306 **Hawaii Div. Water and Land Devel.** Flood control and flood water conservation in Hawaii; Volume 1—Floods and flood control, Volume 2—General flood control plan for Hawaii: Honolulu, Hawaii Div. Water and Land Devel.; v. 1, 40 p.; v. 2, 52 p.; 1963.
- 01991 **Hawaii Div. Water and Land Devel.** Improvements to county water systems, Lahaina District, Maui: Hawaii Div. Water and Land Devel. Rept. R21, 38 p., 1963.
- 00693 **Hawkes, H. A.** Effects of domestic and industrial discharges on the ecology of riffles in midland streams, *in* Southgate, B. A., ed., *Advances in water pollution research*, Internat. Water Pollution Research Conf., 1st, London, 1962, Proc., v. 1: New York, Macmillan, p. 293–317, 1964.
- 01947 **Hawkins, M. E.; Dietzman, W. D.; Pearson, C. A.** Chemical analysis and electrical resistance of oilfield brines from fields in east Texas: U.S. Bur. Mines Rept. Inv. 6422, 20 p., 1964.
- 00002 **Hawkins, R. H.** North coastal area investigation, Appendix A—Watershed management in the Eel River basin, preliminary edition: California Dept. Water Resources Bull. 136, App. A, 141 p., June 1964.
- Hawkins, R. H.** See Haskell, C. C. 01164
- 02094 **Hay, R. L.** Phillipsite of saline lakes and soils: *Am. Mineralogist*, v. 49, nos. 9–10, p. 1366–1387, Sept.–Oct. 1964.
- Hayes, F. R.** See Anthony, E. H. 00364
- 01938 **Hayes, F. R.** The mud–water interface, *in* Barnes, Harold, ed., *Oceanography and marine biology—an annual review*, volume 2: New York, Hafner Publishing Co., p. 121–145, 1964.
- 00153 **Haynes, G. L., Jr.** Effect of seiches and setup on the elevation of Elephant Butte Reservoir, New Mexico, *in* Geological Survey Research 1964, Chapter B: U.S. Geol. Survey Prof. Paper 501–B, p. B158–B162, June 1964.
- Hazen, Richard.** See Hudson, H. E., Jr. 02148
- 00202 **Head, I. P.** Report of the Colorado River Commission, *in* Nevada Water Conference, 18th, Carson City, 1964, Proceedings: Carson City, Nevada Dept. Conserv. and Nat. Resources, p. 32–34, 1964.
- 00176 **Healy, H. G.** Two–variable linear correlation analyses of water–level fluctuations in artesian wells in Florida, *in* Geological Survey Research 1964, Chapter D: U.S. Geol. Survey Prof. Paper 501–D, p. D199–D202, 1964. [Feb. 1965.]
- Healy, H. G.** See Baker, J. A. 00548
- 00247 **Healy, T. W.; LaMer, V. K.** The effect of mechanically produced waves on the properties of monomolecular layers: *Jour. Phys. Chemistry*, v. 68, no. 12, p. 3535–3539, Dec. 1964.
- Healy, T. W.** See LaMer, V. K. 01682
- 01541 **Heath, R. C.** Ground water in New York: New York Water Resources Comm. Bull. GW–51, map with text, 1964.
- 01962 **Heath, R. C.** Seasonal temperature fluctuations in surficial sand near Albany, New York, Art. 168 *in* Short papers in geology and hydrology: U.S. Geol. Survey Prof. Paper 475–D, p. D204–D208, Mar. 1964.

- 02199 **Heath, R. C.** "Lazy" thermometers and their use in measuring ground-water temperatures, Art. 171 in *Short papers in geology and hydrology*: U.S. Geol. Survey Prof. Paper 475-D, p. D216-D218, Mar. 1964.
- 01019 **Heck, E. T.; Hare, C. E.; Hoskins, H. A.** Appalachian connate water: West Virginia Geol. and Econ. Survey Bull. 28, 42 p., 1964.
- Hedges, L. S.** See Wood, Allan. 00946
- Hedges, L. S.** See Rukstad, L. R. 00948
- Hedges, L. S.** See Rukstad, L. R. 00949
- 00918 **Hedrick, D. W.** Grazing and watershed management: Soc. Am. Foresters and Oregon State Univ. School of Forestry, Forest Watershed Management Symposium, Corvallis, Ore., 1963, Proc., p. 305-312, 1963.
- Heffernan, K. J.** See Warburton, J. A. 01922
- Heidel, S. G.** See Woodward, T. H. 02260
- 00244 **Heinzinger, Karl; Weston, R. E., Jr.** Isotopic fractionation of hydrogen between water and the aqueous hydroxide ion: Jour. Phys. Chemistry, v. 68, no. 8, p. 2179-2183, Aug. 1964.
- 02200 **Hellwig, D. H. R.** Preservation of water samples: Internat. Jour. Air and Water Pollution, v. 8, nos. 3-4, p. 215-228, Mar.-Apr. 1964.
- 02118 **Helwig, James.** Stratigraphy of detrital fills of Carroll Cave, Camden County, Missouri: Missouri Speleology, v. 6, no. 1, 15 p., Jan. 1964.
- 00787 **Hely, A. G.** Areal variations of mean annual runoff: Am. Soc. Civil Engineers Proc. Paper 4030, Hydraulics Div. Jour., v. 90, no. HY 5, p. 61-68, Sept. 1964.
- 01305 **Hely, A. G.; Peck, E. L.** Precipitation, runoff and water loss in the lower Colorado River-Salton Sea area: U.S. Geol. Survey Prof. Paper 486-B, p. B1-B16, Dec. 1964.
- 00539 **Hem, J. D.** Deposition and solution of manganese oxides: U.S. Geol. Survey Water-Supply Paper 1667-B, p. B1-B42, Feb. 1964.
- 00561 **Hembree, C. H.; Krieger, R. A.; Jordan, P. R.** Chemical quality of surface waters, and sedimentation in the Grand River drainage basin, North and South Dakota: U.S. Geol. Survey Water-Supply Paper 1769, 78 p., Sept. 1964.
- 00829 **Hembree, C. H.; Blakey, J. F.** Chemical quality of surface waters in the Hubbard Creek watershed, Texas—progress report, September 1963: Texas Water Comm. Bull. 6411, 45 p., Nov. 1964.
- 01153 **Hemphill, L.; Swanson, W. S.** Sorption of organic acids by pure clay minerals in aqueous solution, in *Industrial Waste Conference*, 18th, Lafayette, Indiana, 1963, Proceedings: Purdue Univ. Eng. Ext. Ser. 115, p. 204-217, 1964.
- 00297 **Hemwall, J. B.; Bozer, K. B.** Moisture and strength relationships of soils as affected by 4-tert. butylphrocatechol: Soil Sci., v. 98, no. 4, p. 235-243, Oct. 1964.
- 00708 **Henderson, F. M.; Wooding, R. A.** Overland flow and groundwater flow from a steady rainfall of finite duration: Jour. Geophys. Research, v. 69, no. 8, p. 1531-1540, Apr. 15, 1964.
- 01465 **Hendricks, S. B.** Salt transport across cell membranes: Am. Scientist, v. 52, no. 3, p. 306-333, Sept. 1964.

- 00551 **Hendrickson, G. E.; Krieger, R. A.** Geochemistry of natural waters of the Blue Grass region, Kentucky: U.S. Geol. Survey Water-Supply Paper 1700, 135 p., July 1964.
- Hendriksen, A.** See Baalsrud, K. 01647
- 00796 **Herbich, J. B.; Shulits, Sam.** Large-scale roughness in open-channel flow: Am. Soc. Civil Engineers Proc. Paper 4145, Hydraulics Div. Jour., v. 90, no. HY 6, p. 203-230, Nov. 1964.
- Herfindahl, O. C.** See Fox, I. K. 01325
- Herman, M. A.** See Janssens, A. A. 01901
- 00823 **Heron, S. D., Jr.** (and others). Clay mineral assemblages in a South Carolina lake-river-estuary complex: Southeastern Geology, v. 6, no. 1, p. 1-9, Nov. 1964.
- 01768 **Herrick, S. M.; LeGrand, H. E.** Solution subsidence of a limestone terrane in southwest Georgia: Internat. Assoc. Sci. Hydrology Bull., v. 9, no. 2, p. 25-36, June 1964.
- 00545 **Hershey, L. A.; Schneider, P. A., Jr.** Ground-water investigations in the lower Cache la Poudre River basin, Colorado: U.S. Geol. Survey Water-Supply Paper 1669-X, p. X1-X22, Feb. 1964.
- 00041 **Hershfield, D. M.** Effective rainfall and irrigation water requirements: Am. Soc. Civil Engineers Proc. Paper 3920, Irrig. and Drainage Div. Jour., v. 90, no. IR 2, pt. 1, p. 33-47, June 1964.
- 01723 **Hershfield, D. M.** Estimating the maximum 24-hour snowfall: Internat. Assoc. Sci. Hydrology Bull., v. 9, no. 4, p. 32-39, Dec. 1964.
- 01865 **Hershfield, D. M.** The frequency of small daily rainfall amounts in Eastern United States: Internat. Assoc. Sci. Hydrology Bull., v. 9, no. 1, p. 5-11, Mar. 1964.
- 00491 **Herzik, G. R., Jr.** Control and enforcement aspects of water quality, in Water quality and chemicals—industrial and agricultural: Water for Texas Conf., 9th, College Station, Tex., 1964, Proc., p. 52-54, 1964.
- 01357 **Heusser, C. J.; Marcus, M. G.** Surface movement, hydrological change and equilibrium flow on Lemon Creek Glacier, Alaska: Jour. Glaciology, v. 5, no. 37, p. 61-75, Feb. 1964.
- 00279 **Hewlett, J. D.; Douglass, J. E.; Clutter, J. L.** Instrumental and soil moisture variance using the neutron-scattering method: Soil Sci., v. 97, no. 1, p. 19-25, Jan. 1964.
- 00317 **Hickey, W. C., Jr.; Dortignac, E. J.** An evaluation of soil ripping and soil pitting on runoff and erosion in the semiarid Southwest: Internat. Assoc. Sci. Hydrology Pub. 65, p. 22-33, 1964.
- 01277 **Hightower, R. C.; Arnold, C. B.; Ryno, Takashi.** San Diego County flood hazard investigation: California Dept. Water Resources Bull. 112, 44 p., App. B-I, Sept. 1964. [Appendix A bound separately and published in Mar. 1963.]
- Hildebrandt, P. W.** See Mooney, R. R. 01931
- Hill, D. F.** See Craft, T. F. 01648
- 02201 **Hill, J. C.; Sukalac, P. G.** Power, in Oregon's water problems and future needs, State Water Resources Conference: Oregon Water Resources Board, Salem, Oreg., 1964, Proc., p. [A]67-[A]71, 1964.

- 00116 **Hill, R. D.** Characteristics of slow sand filters for pond water filtration: *Am. Soc. Agr. Engineers Trans. (Gen. Ed.)*, v. 7, no. 3, p. 294-296, 299, 335, Nov. 1964.
- Hindson, L. L.** See Dennis, P. E. 00558
- 00970 **Hirsch, A. A.** Effect of watershed area oil fields on water quality: *Am. Water Works Assoc. Jour.*, v. 56, no. 11, p. 1474-1480, Nov. 1964.
- 01645 **Hirsch, A. A.** Three-dimensional type representation of hydrologic data: *Am. Water Works Assoc. Jour.*, v. 56, no. 7, p. 937, July 1964.
- Hirsch, Allan.** See Towne, W. W. 00440
- Ho, Hau-Wong.** See Brush, L. M., Jr. 00034
- 00006 **Ho, Kuo-Toh; Todd, D. K.** Determination of aquifer permeability by slug tests of wells: *California Univ. Water Resources Center Contr.* 93, 41 p., 1964.
- 01736 **Hoak, R. D.** Recovery and identification of organics in water, in Southgate, B. A., ed., *Advances in water pollution research*, Internat. Water Pollution Research Conf., 1st, London, 1962, Proc., v. 1: New York, Macmillan, p. 163-189, 1964.
- Hobba, R. L.** See Storey, H. C. 01518
- 00274 **Hobbs, E. H.; Sonmor, L. G.** Irrigation scheduling: *Research for Farmers*, v. 9, no. 4, p. 4-5, Fall 1964.
- 01078 **Hobson, G. D.; Grant, A. C.** Tracing buried river valleys in the Kirkland Lake area of Ontario with a hammer seismograph: *Canadian Mining Jour.*, v. 85, no. 4, p. 79-83, Apr. 1964.
- 01917 **Hodges, C. N.** (and others). The utilization of solar energy in a multiple-effect desalinization system: *Jour. Appl. Meteorology*, v. 3, no. 5, p. 505-512, Oct. 1964.
- 00216 **Hoffard, S. H.; Vaudrey, W. C.** An investigation of floods in Hawaii, through June 30, 1964: *Hawaii Div. Water and Land Devel. Prog. Rept.* 7, 160 p., Oct. 1964.
- 00119 **Hoffman, G. J.; Schwab, G. O.** Tile spacing prediction based on drain outflow: *Am. Soc. Agr. Engineers Trans. (Gen. Ed.)*, v. 7, no. 4, p. 444-447, Dec. 1964.
- 01063 **Hoffman, W. M.; Woolson, E. A.** Evaluation of two modifications of the volumetric ammonium molybdate method for phosphorus: *Assoc. Official Agr. Chemists Jour.*, v. 47, no. 6, p. 1057-1067, Dec. 1964.
- 02070 **Hoffman, Walter; Rantz, S. E.** Arid lands hydrology: *Duquesne Sci. Counselor*, v. 27, no. 2, p. 34-40, June 1964.
- 00195 **Hofstetter, R. H.** Some observations on the permeability properties of peat, in MacFarlane, I. C., and Butler, J., eds., *Muskeg Research Conference*, 9th, Quebec, 1963, *Proceedings*: Canada Natl. Research Council, Associate Comm. Soil and Snow Mechanics Tech. Memo. 81, p. 195-204, Apr. 1964.
- Hogenson, G. M.** See Foxworthy, B. L. 01142
- 01254 **Hogenson, G. M.** Geology and ground water of the Umatilla River basin, Oregon: *U.S. Geol. Survey Water-Supply Paper* 1620, 162 p., Apr. 1964.
- 00389 **Hoinkes, H. C.** Glacial meteorology, chap. 15, in Odishaw, Hugh, ed., *Research in geophysics*, v. 2—Solid earth and interface phenomena: Cambridge, Mass., M.I.T. Press, p. 391-424, 1964.
- 01118 **Hoisveen, M. W.; Ziegler, V. E.** The surface water resources of North Dakota, in *The mineral resources of North Dakota*: North Dakota Econ. Devel. Comm. Conf., Univ. North Dakota, Grand Forks, Jan. 28-29, 1964, *Papers*, p. 37-52, 1964.

- 00435 **Holcomb, C. J.** A discussion of the doctrines governing the use of water in the continental United States with special reference to Virginia: *Virginia Jour. Sci.*, v. 15, no. 1, p. 21-33, Jan. 1964.
- Holecek, Jiri.** See **Balek, Jaroslav.** 01758
- 01566 **Holland, H. D.** (and others). On some aspects of the chemical evolution of cave waters: *Jour. Geology*, v. 72, no. 1, p. 36-67, Jan. 1964.
- 01742 **Holland, H. D.; Holland, H. J.; Munoz, J. L.** The coprecipitation of cations with CaCO_3 , Part 2—The coprecipitation of Sr^{+2} with calcite between 90° and 100°C : *Geochim. et Cosmochim. Acta*, v. 28, no. 8, p. 1287-1301, Aug. 1964.
- Holland, H. J.** See **Holland, H. D.** 01742
- 00827 **Holland, P. H.; Hughes, L. S.** Base-flow studies, Pedernales River, Texas—quantity and quality, April–May 1962: *Texas Water Comm. Bull.* 6407, 11 p., June 1964.
- 01740 **Holm, Alfred.** An instrument for the determination of drill hole geometry: *Geoexploration*, v. 2, no. 1, p. 20-27, June 1964.
- 01463 **Holmes, C. D.** Equilibrium in humid-climate physiographic processes: *Am. Jour. Sci.*, v. 262, no. 4, p. 436-445, Apr. 1964.
- 00222 **Holmes, C. W.; Goodell, H. G.** The prediction of strength in the sediments of St. Andrew Bay, Florida: *Jour. Sed. Petrology*, v. 34, no. 1, p. 124-143, Mar. 1964.
- 01897 **Holmes, R. M.; Robertson, G. M.** The calculation of the soil moisture profile under various conditions using the modulated soil moisture budget: *Internat. Assoc. Sci. Hydrology Pub.* 65, p. 454-461, 1964.
- Holswade, Wendell.** See **Burke, Jerry.** 01061
- Holt, C. L. R., Jr.** See **Devaul, R. W.** 02093
- 03010 **Holt, C. L. R., Jr.; Young, K. B.; Cartwright, W. H.** The water resources of Wisconsin: *Wisconsin Blue Book* 1964, p. 178-198, 1964.
- 00117 **Holtan, H. N.; Overton, D. E.** Numerical experiments in generating and routing watershed runoff: *Am. Soc. Agr. Engineers Trans. (Gen. Ed.)*, v. 7, no. 4, p. 402-408, Dec. 1964.
- 00359 **Holtan, H. N.; Overton, D. E.** Storage-flow hysteresis in hydrograph synthesis: *Jour. Hydrology [Amsterdam]*, v. 2, no. 4, p. 309-323, 1964. [Apr. 1965.]
- Holtan, H. N.** See **Musgrove, G. W.** 02147
- 01346 **Holtzman, R. B.** Lead-210 (RaD) and polonium-210 (RaF) in portable waters in Illinois, chap. 12, in **Adams, J. A. S., and Lowder, W. M.**, eds., *The natural radiation environment*: Houston, Tex., William Marsh Rice Univ., p. 227-237, 1964.
- 01918 **Hopkins, J. W.; Robillard, P.** Some statistics of daily rainfall occurrence for the Canadian Prairie Provinces: *Jour. Appl. Meteorology*, v. 3, no. 5, p. 600-602, Oct. 1964.
- 00641 **Hornbeck, J. W.; Reinhart, K. G.** Water quality and soil erosion as affected by logging in steep terrain: *Jour. Soil and Water Conserv.*, v. 19, no. 1, p. 23-27, Jan.-Feb. 1964.
- 00921 **Horton, J. S.; Robinson, T. W.; McDonald, H. R.** Guide for surveying phreatophyte vegetation: *U.S. Dept. Agriculture, Agriculture Handb.* 266, 37 p., May 1964.

- 00485 **Horton, R. C.** (compiler). Hot springs, sinter deposits, and volcanic cinder cones in Nevada: Nevada Bur. Mines Map 25, 1 sheet, Mar. 1964.
- Horvath, V.** See Erödi, B. 00318
- Hoskins, H. A.** See Heck, E. T. 01019
- 01976 **Hosman, R. L.** The Carrizo Sand, a potential aquifer in south-central Arkansas, in Geological Survey Research 1964, Chapter D: U.S. Geol. Survey Prof. Paper 501-D, p. D158-D160, 1964. [Feb. 1965.]
- Hosman, R. L.** See Cushing, E. M. 02076
- 01719 **Hostettler, P. B.** The degree of saturation of magnesium and calcium carbonate minerals in natural waters: Internat. Assoc. Sci. Hydrology Pub. 64, p. 34-49, 1964.
- Hotchkiss, C. W.** See Grover, B. L. 01159
- 01640 **Howard, A. D.** A model for cavern development under artesian ground water flow, with special reference to the Black Hills: Natl. Speleol. Soc. Bull., v. 26, no. 1, p. 7-16, Jan. 1964.
- 02202 **Howard, P. F.** Can water supplies keep pace with "population explosions"?: New England Water Works Assoc. Jour., v. 78, no. 1, p. 63-70, Mar. 1964.
- 01657 **Hoxie, E. C.** Corrosion of well points and piping in domestic water near AEC plant: Ground Water, v. 2, no. 3, p. 45-48, July 1964.
- 00804 **Hoy, N. D.** Generalized water-table contours in southern Florida: Florida Geol. Survey Map Ser. 7, one sheet, May 1964.
- 00035 **Hsieh, Tsuying.** Resistance of cylindrical piers in open-channel flow: Am. Soc. Civil Engineers Proc. Paper 3770, Hydraulics Div. Jour., v. 90, no. HY 1, p. 161-173, Jan. 1964.
- 00737 **Hubbard, R. M.; Elenbaas, J. R.** Determining gas-filled pore volume in a water-drive gas-storage reservoir: Jour. Petroleum Technology, v. 16, no. 4, p. 383-388, Apr. 1964.
- 00553 **Hubbell, D. W.** Apparatus and techniques for measuring bedload: U.S. Geol. Survey Water-Supply Paper 1748, 74 p., Oct. 1964.
- 00766 **Hubbell, D. W.; Sayre, W. W.** Sand transport studies with radioactive tracers: Am. Soc. Civil Engineers Proc. Paper 3900, Hydraulics Div. Jour., v. 90, no. HY 3, p. 39-68, May 1964.
- 02150 **Hubbert, M. K.** Earth scientists look at environmental limits in human ecology: Natl. Acad. Sci.—Natl. Research Council News Rept., v. 14, no. 4, p. 58-60, July-Aug. 1964.
- 02148 **Hudson, H. E., Jr.; Hazen, Richard.** Droughts and low streamflow, sec. 18, in Chow, V. T., ed., Handbook of applied hydrology: New York, McGraw-Hill, p. 18-1 to 18-26, 1964.
- 00058 **Hudson, W. D.** Reduction of unaccounted-for water: Am. Water Works Assoc. Jour., v. 56, no. 2, p. 143-148, Feb. 1964.
- 00700 **Huff, F. A.; Changnon, S. A., Jr.** Relation between precipitation deficiency and low streamflow: Jour. Geophys. Research, v. 69, no. 4, p. 605-613, Feb. 15, 1964.
- 01562 **Huff, F. A.** Correlation between summer hail patterns in Illinois and associated climatological events: Jour. Appl. Meteorology, v. 3, no. 3, p. 240-246, June 1964.
- 01921 **Huff, F. A.; Stout, G. E.** Distribution of radioactive rainout in convective rainfall: Jour. Appl. Meteorology, v. 3, no. 6, p. 707-717, Dec. 1964.

- 02153 **Huff, F. A.; Changnon, S. A., Jr.** Relation between precipitation drought and low streamflow: Internat. Assoc. Sci. Hydrology Pub. 63, p. 167-180, 1954.
- Huffman, G. C.** See Giroux, P. R. 00908
- Hughes, L. S.** See Baker, R. C. 00547
- 00825 **Hughes, L. S.; Leifeste, D. K.** Reconnaissance of the chemical quality of surface waters of the Sabine River basin, Texas and Louisiana: Texas Water Comm. Bull. 6405, 64 p., May 1964.
- Hughes, L. S.** See Holland, P. H. 00827
- 02172 **Hull, C. H. J.** Photosynthetic oxygenation of a polluted estuary, in Pearson, E. A., ed., *Advances in water pollution research*, Internat. Water Pollution Research Conf., 1st, London, 1962, Proc., v. 3: New York, Macmillan, p. 347-403, 1964.
- 01251 **Hulsing, Harry; Kallio, N. A.** Magnitude and frequency of floods in the United States, Part 14—Pacific slope basins in Oregon and lower Columbia River basin: U.S. Geol. Survey Water-Supply Paper 1689, 320 p., Jan. 1964.
- Humphrys, C. R.** See Veatch, J. O. 02048
- Hunn, J. D.** See Rosenshein, J. S. 00259
- Hunn, J. D.** See Rosenshein, J. S. 00260
- Hunn, J. D.** See Rosenshein, J. S. 00261
- Hunn, J. D.** See Rosenshein, J. S. 00264
- Hunn, J. D.** See Rosenshein, J. S. 00265
- Hunn, J. D.** See Rosenshein, J. S. 00266
- 01462 **Hunt, J. C.** Pollution, everybody's fight: Am. Forests, v. 70, no. 9, p. 16-20, Sept. 1964.
- Hunt, O. P.** See Halberg, H. N. 00512
- 00903 **Hunter, H. I.** A proposed snow course and meteorological network for Columbia basin in British Columbia: Western Snow Conf., 32d, Nelson, British Columbia, 1964, Proc., p. 68-83, 1964.
- 02069 **Hunziker, L. T.** Aquifer recharging: Water and Sewage Works, v. 111, no. 4, p. 203-205, Apr. 1964.
- 01423 **Hurl, Floyd.** Great Falls, Montana now claims most unique water flow from Giant Springs: Water Well Jour., v. 18, no. 2, p. 13, Feb. 1964.
- 00324 **Hutorowicz, Halina.** Dew measurements at Olsztyn: Internat. Assoc. Sci. Hydrology Pub. 65, p. 352-359, 1964.
- 01494 **Hyde, L. W.** Chronological bibliography of principal published ground-water reports in Florida prepared by the U.S. Geological Survey or the Florida Geological Survey, 1908-1963: Tallahassee, Florida Geol. Survey, 13 p., 1964.
- 00850 **Hyland, J. B.; Keech, C. F.** Ground water in Cedar Rapids division of lower Platte River basin, Nebraska, with a section on Chemical quality of the water, by P. G. Rosene: U.S. Geol. Survey Water-Supply Paper 1779-H, p. H1-H12, Sept. 1964.
- 00927 **Idaho Water District No. 36.** Water distribution and hydrometric work, district No. 36, Snake River, Idaho, 1964: Idaho Falls, Idaho Water Dist. No. 36, 43 p.; App., 24 p.; 69 pls.; 1964.

- 01989 **Illingworth, L. R.; Meffley, R. W.** Feasibility of serving the Dudley Ridge Water District from the State water project: California Dept. Water Resources Bull. 119-14, 44 p., Aug. 1964.
- 00876 **Ince, Simon; Ashe, G. W. T.** Observation on the winter temperature structure of the St. Lawrence River: Eastern Snow Conf., 21st, Utica, N. Y., 1964, Proc., p. 1-13, 1964.
- 03022 **Indiana.** (Clark, Floyd, and Washington Counties Soil and Water Conservation Districts). Watershed work plan—Muddy Fork of Silver Creek watershed. . . , *with* Work plan for forestry program, by U.S. Forest Service: Bordon, Ind., Clark, Floyd, Washington Counties Soil and Water Conserv. Dist., 66 p., app., 1964.
- 01604 **Industrial Water Engineering.** Managing our water resources: Indus. Water Eng., v. 1, no. 3, p. 32-36, May-June 1964.
- Ingle, J. C., Jr.** See Bandy, O. L. 01819
- Ingle, J. C., Jr.** See Bandy, O. L. 01894
- Ingols, R. S.** See Wilroy, R. D. 01708
- 01956 **Ingols, R. S.; Fetner, R. H.; Eschenbrenner, A. B.** Chromate toxicity: Water and Sewage Works, v. 111, no. 12, p. 548-549, Dec. 1964.
- Ingram, W. M.** See Mackenthun, K. M. 00422
- 01789 **Internat. Assoc. Hydraulic Research.** Hydraulic research, 1962 and 1963: Internat. Assoc. Hydraulic Research Bull., v. 18, 358 p., Nov. 1964.
- 01735 **Internat. Assoc. Sci. Hydrology.** Report on hydrological activities in Israel during the triennium 1960-1962: Internat. Assoc. Sci. Hydrology Bull., v. 9, no. 2, p. 48-63, June 1964.
- 01907 **Internat. Boundary and Water Comm.** (U.S. and Mexico). Flow of the Rio Grande and related data, from Elephant Butte Dam, New Mexico to the Gulf of Mexico: Internat. Boundary and Water Comm. Water Bull. 34, 150 p., 1964.
- 01421 **Interstate Comm. Potomac River Basin.** Potomac River water quality network compilation of data, water year 1964: Washington, D.C., Interstate Comm. Potomac River Basin [Rept. 7], 35 p., 1964.
- 01578 **Interstate Comm. Potomac River Basin.** A Potomac report for the calendar year 1964: Washington, D. C., Interstate Comm. Potomac River Basin, 13 p., 1964.
- 02133 **Interstate Comm. Potomac River Basin.** Problems of the Potomac estuary—Winter Meeting, Arlington, Virginia, January 23-24, 1964, Proceedings: Interstate Comm. Potomac River Basin Proc. 1964-1, 63 p., Mar. 1964.
- 02134 **Interstate Comm. Potomac River Basin.** The Potomac in Pennsylvania—Spring Meeting, Gettysburg, Pennsylvania, April 23-24, 1964, Proceedings: Interstate Comm. Potomac River Basin Proc. 1964-2, 44 p., June 1964.
- 01008 **Iorns, W. V.** (and others). Water resources of the Upper Colorado River basin—basic data: U.S. Geol. Survey Prof. Paper 442, 1036 p., plates in separate case, Sept. 1964.
- 00853 **Ireland, Burdge; Mendieta, H. B.** Chemical quality of surface waters in the Brazos River in Texas: U.S. Geol. Survey Water-Supply Paper 1779-K, p. K1-K70, Sept. 1964.
- 00330 **Irrigation Engineering and Maintenance.** Effect of wind on water evaporation: Irrig. Eng. and Maintenance, v. 14, no. 5, p. 16, June-July 1964.

- 01811 **Irrigation Engineering and Maintenance.** U.S. irrigated acreage: Irrig. Eng. and Maintenance, v. 14, no. 6, p. 8-32, Aug.-Sept. 1964.

Irwin, R. W. See Mirza, C. 00020

- 00196 **Irwin, R. W.** Progress report on hydrologic investigation of organic soil, in MacFarlane, I. C., and Butler, J., eds., Muskeg Research Conference, 9th, Quebec, 1963, Proceedings: Canada Natl. Research Council, Associate Comm. Soil and Snow Mechanics Tech. Memo. 81, p. 226-232, Apr. 1964.

- 01805 **Iverson, A.** The measured resistivity of pure water and determination of the limiting mobility of OH^- from 5° to 55°: Jour. Phys. Chemistry, v. 68, no. 3, p. 515-521, Mar. 1964.

Ivey, J. B. See Doeringsfeld, W. W., Jr. 01681

Ivicsics, L. See Bedeus, K. 01282

- 02204 **Jaag, O.; Ambühl, H.** The effect of the current on the composition of biocoenoses in flowing water streams, in Southgate, B. A., ed., Advances in water pollution research, Internat. Water Pollution Research Conf., 1st, London, 1962, Proc., v. 1: New York, Macmillan, p. 31-49, 1964.

- 01230 **Jackson, D. F.; Nemerow, N. L.; Rand, M. C.** Ecological investigations of the Oswego River drainage basin, [Part] 1 — The outlet, in Conference on Great Lakes Research, 7th, Toronto, Canada, 1964, Proceedings: Michigan Univ. Great Lakes Research Div. Pub. 11, p. 88-99, 1964.

- 02205 **Jackson, G. L.; Alspaugh, A. E.** Recreation, in Oregon's water problems and future needs, State Water Resources Conference: Oregon Water Resources Board, Salem, Oreg., 1964, Proc., p. [A]29-[A]38, 1964.

- 00310 **Jackson, R. D.** Water vapor diffusion in relatively dry soil, [Part] 1 — Theoretical considerations and sorption experiments: Soil Sci. Soc. America Proc., v. 28, no. 2, p. 172-176, Mar.-Apr. 1964.

- 01391 **Jackson, R. D.** Water vapor diffusion in relatively dry soil, [Part] 2 — Desorption experiments: Soil Sci. Soc. America Proc., v. 28, no. 4, p. 464-466, July-Aug. 1964.

- 01825 **Jackson, R. D.** Water vapor diffusion in relatively dry soil, [Part] 3 — Steady-state experiments: Soil Sci. Soc. America Proc., v. 28, no. 4, p. 467-470, July-Aug. 1964.

Jacobs, Barbara. See Matalas, N. C. 02018

- 00653 **Jacobs, H. S.** (and others). Irrigation effects on Kansas soils: Kansas State Univ. Agr. Expt. Sta. Tech. Bull. 134, 94 p., Jan. 1964.

- 00712 **James, J. W.** The effect of wind on precipitation catch over a small hill: Jour. Geophys. Research, v. 69, no. 12, p. 2521-2524, June 15, 1964.

- 01012 **James, Laurence.** The California water plan: Geotimes, v. 9, no. 4, p. 9-11, Nov. 1964.

Janda, R. J. See McCulloch, D. S. 00226

- 01309 **Jannasch, H. W.** Microbial decomposition in natural waters as determined in steady state systems: Internat. Assoc. Theoretical and Appl. Limnology Proc., v. 15, pt. 2, p. 562-568, Feb. 1964.

- 01901 **Janssens, A. A.; van de Cappelle, G. L.; Herman, M. A.** Spectrophotometric study of $\text{N,N}'$ -bis(*m*-sulphobenzyl)dithiooxamide as a reagent for nickel(II): Anal. Chim. Acta, v. 31, no. 4, p. 325-330, Oct. 1964.

- 02206 **Jarvis, C. L.** An application of Moran's theory of dams to the Ord River project, western Australia: *Jour. Hydrology* [Amsterdam], v. 2, no. 3, p. 232-247, 1964. [Mar. 1965.]
- 00798 **Jaselskis, Bruno; Vas, S. F.** Titrimetric determination of semimicro amounts of sulfate in phosphate: *Anal. Chemistry*, v. 36, no. 10, p. 1965-1967, Sept. 1964.
- Jeffery, H. G.** See **Bedinger, M. S.** 00543
- 00752 **Jehlik, D. G.** Geology and dam construction: *Kansas Acad. Sci. Trans.*, v. 67, no. 2, p. 296-300, Summer 1964.
- Jenkins, C. T.** See **Moulder, E. A.** 00376
- 01871 **Jenkins, David; Medsker, L. L.** Brucine method for determination of nitrate in ocean, estuarine, and fresh waters: *Anal. Chemistry*, v. 36, no. 3, p. 610-612, Mar. 1964.
- 02020 **Jenkins, E. D.** Ground water in Fountain and Jimmy Camp Valleys, El Paso County, Colorado, *with a section on Computations of drawdowns caused by the pumping of wells in Fountain Valley*, by R. E. Glover and E. D. Jenkins: U.S. Geol. Survey Water-Supply Paper 1583, 66 p., June 1964.
- Jennings, Harry.** See **Wiley, B. F.** 00984
- 01517 **Jens, S. W.; McPherson, M. B.** Hydrology of urban areas, sec. 20, *in* Chow, V. T., ed., *Handbook of applied hydrology*: New York, McGraw-Hill, p. 20-1 to 20-45, 1964.
- Jeppson, R. W.** See **Bagley, J. M.** 01767
- Jessen, F. W.** See **Durie, R. W.** 00816
- 01446 **Jessup, W. E.** Baldwin Hills Dam failure: *Civil Eng.*, v. 34, no. 2, p. 62-64, Feb. 1964.
- 01795 **Joeris, L. S.** A horizontal sampler for collection of water samples near the bottom: *Limnology and Oceanography*, v. 9, no. 4, p. 595-598, Oct. 1964.
- 01703 **John, K. R.** Survival of fish in intermittent streams of the Chiricahua Mountains, Arizona: *Ecology*, v. 45, no. 1, p. 112-119, 1964.
- 00937 **Johnson, A. I.** Proposed method of test for capillary-moisture relationships of soils (moisture tensions of one atmosphere or less), *in* *Procedures for testing soils* (4th edition): Philadelphia, Pa., Am. Soc. Testing and Materials, p. 256-263, Dec. 1964. [1965.]
- 00964 **Johnson, A. I.** Selected bibliography on laboratory and field methods in ground-water hydrology: U.S. Geol. Survey Water-Supply Paper 1779-Z, p. Z1-Z21, June 1964.
- 02068 **Johnson, A. I.; Gnaedinger, J. P.** Bibliography, *in* *Symposium on soil exploration*: Am. Soc. Testing and Materials Spec. Tech. Pub. 351, p. 137-155, 1964.
- Johnson, A. I.** See **Moston, R. P.** 03019
- Johnson, C. R.** See **Greenkorn, R. A.** 00919
- 01872 **Johnson, C. R.; McClelland, P. H.; Boster, R. L.** Rapid volumetric determination of sulfide in estuarine and sea waters: *Anal. Chemistry*, v. 36, no. 2, p. 300-302, Feb. 1964.
- 00331 **Johnson Drillers Journal.** Good water is vital to life of community: *Johnson Drillers Jour.*, v. 36, no. 1, p. 1-5, Jan.-Feb. 1964.

- 00332 **Johnson Drillers Journal.** Changing saline water into fresh water: Johnson Drillers Jour., v. 36, no. 2, p. 1-4, Mar.-Apr. 1964.
- 00333 **Johnson Drillers Journal.** Water well industry states its case: Johnson Drillers Jour., v. 36, no. 3, p. 1-3, May-June 1964.
- 00334 **Johnson Drillers Journal.** Grouting method used in water wells, Part 1 — Slurries of different kinds are used primarily to produce impervious seal around well casings: Johnson Drillers Jour., v. 36, no. 4, p. 1-3, 12-13, July-Aug. 1964.
- 00335 **Johnson Drillers Journal.** Earthquake proves value of well water system: Johnson Drillers Jour., v. 36, no. 4, p. 4-5, July-Aug. 1964.
- 00336 **Johnson Drillers Journal.** Nature and behavior of water, Part 10 — Measuring water flow with weirs: Johnson Drillers Jour., v. 36, no. 4, p. 6-9, July-Aug. 1964.
- 00337 **Johnson Drillers Journal.** Grouting methods used in water wells, Part 2 — Best procedure to use will depend upon soil conditions and the drilling method employed: Johnson Drillers Jour., v. 36, no. 5, p. 1-5, Sept.-Oct. 1964.
- 00338 **Johnson Drillers Journal.** Nature and behavior of water, Part 11 — Methods of estimating rate of flow: Johnson Drillers Jour., v. 36, no. 5, p. 6-8, Sept.-Oct. 1964.
- 01360 **Johnson Drillers Journal.** Legal control of water: Johnson Drillers Jour., v. 36, no. 1, p. 12-13, Jan.-Feb. 1964.
- 01361 **Johnson Drillers Journal.** Nature and behavior of water, Part 7 — Characteristics of jets: Johnson Drillers Jour., v. 36, no. 1, p. 8-10, Jan.-Feb. 1964.
- 01362 **Johnson Drillers Journal.** Basic principles of water well design, Part 4 — Selection and use of formation stabilizer: Johnson Drillers Jour., v. 36, no. 1, p. 6-7, 10, Jan.-Feb. 1964.
- 01451 **Johnson Drillers Journal.** Nature and behavior of water, Part 9 — Measuring water flow in the field: Johnson Drillers Jour., v. 36, no. 3, p. 4-7, May-June 1964.
- 00079 **Johnson, H. P.** Meter for measuring flow discharge from pipes: Agr. Eng., v. 45, no. 7, p. 378-379, July 1964.
- Johnson, H. P.** See Palmer, D. B. 00118
- Johnson, H. P.** See Hanson, T. L. 00120
- Johnson, H. P.** See Ligon, J. T. 00281
- Johnson, J. O.** See Barker, F. B. 00550
- Johnson, R. W.** See Crutchfield, J. A. 00454
- 01707 **Johnston, G. H.; Brown, R. J. E.** Some observations on permafrost distribution at a lake in the Mackenzie Delta, N. W. T., Canada: Arctic, v. 17, no. 3, p. 163-175, Sept. 1964.
- Johnston, H. E.** See Wood, P. R. 01144
- 01948 **Johnston, K. H.; Castagno, J. L.** Evaluation by filter methods of the quality of waters injected in waterfloods: U.S. Bur. Mines Rept. Inv. 6426, 14 p., 1964.
- 02067 **Johnston, P. M.** Geology and ground-water resources of Washington, D. C., and vicinity, with a section on Chemical quality of the water, by D. E. Weaver and Leonard Siu: U.S. Geol. Survey Water-Supply Paper 1776, 97 p., June 1964.

- 01909 **Johnston, R.** Recent advances in the estimation of salinity, in Barnes, Harold, ed., *Oceanography and marine biology—an annual review*, volume 2: New York, Hafner Publishing Co., p. 97–120, 1964.
- 01113 **Johnston, R. H.** Ground water in the Niagara Falls area, New York, with emphasis on the water-bearing characteristics of the bedrock: New York Water Resources Comm. Bull. GW-53, 93 p., 1964.
- Johnstone, G. H.** See Brown, W. G. 00016
- Jolley, D. H.** See Miller, H. W. 00621
- Jones, B. F.** See Rettig, S. L. 00168
- Jones, B. F.** See Jordan, P. R. 00533
- 00198 **Jones, C. T.** Significant nickpoint levels of seven rivers draining western Puerto Rico: *Caribbean Jour. Sci.*, v. 4, no. 1, p. 255–260, Mar. 1964.
- 00738 **Jones, F. O., Jr.** Influence of chemical composition of water on clay blocking of permeability: *Jour. Petroleum Technology*, v. 16, no. 4, p. 441–446, Apr. 1964.
- Jones, J. F.** See Lennox, D. H. 01372
- 00767 **Jones, L. E.** Some observations on the undular jump: *Am. Soc. Civil Engineers Proc. Paper 3901, Hydraulics Div. Jour.*, v. 90, no. HY 3, p. 69–82, May 1964.
- 01833 **Jones, P. H.** The velocity of ground-water flow in basalt aquifers of the Snake River Plain, Idaho: *Internat. Assoc. Sci. Hydrology Pub.* 64, p. 225–234, 1964.
- Jonker, F. H.** See Cuthbertson, W. B. 00880
- Jonsson, I. G.** See Lundgren, H. 00030
- 00224 **Jopling, A. V.** Interpreting the concept of the sedimentation unit: *Jour. Sed. Petrology*, v. 34, no. 1, p. 165–172, Mar. 1964.
- 00726 **Jopling, A. V.** Laboratory study of sorting processes related to flow separation: *Jour. Geophys. Research*, v. 69, no. 16, p. 3403–3418, Aug. 15, 1964.
- Jordan, D. G.** See Watkins, F. A., Jr. 00262
- Jordan, D. G.** See Watkins, F. A., Jr. 00263
- 00533 **Jordan, P. R.; Jones, B. F.; Petri, L. R.** Chemical quality of surface waters and sedimentation in the Saline River basin, Kansas: *U.S. Geol. Survey Water-Supply Paper 1651*, 90 p., Feb. 1964.
- Jordan, P. R.** See Hembree, C. H. 00561
- 01501 **Joy, C. R.** Taming Asia's Indus River—the challenge of desert, drought and flood: New York, Coward-McCann, 119 p., 1964.
- Joyner, B. F.** See Lichtler, W. F. 01749
- 00725 **Judson, Sheldon; Ritter, D. F.** Rates of regional denudation in the United States: *Jour. Geophys. Research*, v. 69, no. 16, p. 3395–3401, Aug. 15, 1964.
- 02066 **Jumikis, A. R.** *Mechanics of soils—fundamentals for advanced study*: Princeton, N. J., D. Van Nostrand, 483 p., 1964.
- 01085 **Justice, D.; Lamberti, V.** Revolution in detergents: *Chem. Eng. Prog.*, v. 60, no. 12, p. 35–40, Dec. 1964.

- 01073 **Kachurin, S. P.** Cryogenic physico-geological phenomena in permafrost regions, chap. 11, of *Principles of geocryology (permafrost studies), Part 1—General geocryology*: Canada Natl. Research Council Tech. Translation 1157, 91 p., 1964. (Translated, by C. de Leuchtenberg, from Academy of Sciences of the U.S.S.R., Moscow, p. 365–398, 1959.)
- 01891 **Kahana, Y.** Coastal ground water collectors as a means of intensifying exploration of ground water: *Internat. Assoc. Sci. Hydrology Pub.* 64, p. 182–193, 1964.
- 01482 **Kahn, Lloyd; Wayman, C. H.** Apparatus for continuous extraction of nonpolar compounds from water applied to determination of chlorinated pesticides and intermediates: *Anal. Chemistry*, v. 36, no. 7, p. 1340–1343, June 1964.
- Kalinin, G. P.** See Apollov, B. A. 01739
- 02207 **Kalinin, G. P.; Kuchment, L. S.** The use of influence functions for computing a discharge hydrograph: *Internat. Assoc. Sci. Hydrology Pub.* 63, p. 77–80, 1964.
- 00741 **Kalish, P. J.** (and others). The effect of bacteria on sandstone permeability: *Jour. Petroleum Technology*, v. 16, no. 7, p. 805–814, July 1964.
- Kallio, N. A.** See Hulsing, Harry. 01251
- 00538 **Kam, William.** Geology and ground-water resources of McMullen Valley, Maricopa, Yavapai, and Yuma Counties, Arizona: U.S. Geol. Survey Water-Supply Paper 1665, 64 p., Jan. 1964.
- Kamaras, M.** See Erödi, B. 00318
- 01127 **Kamb, Barclay.** Glacier geophysics: *Science*, v. 146, no. 3642, p. 353–365, Oct. 1964.
- Kamb, W. B.** See Shreve, R. L. 00340
- 00362 **Kansas Legislative Council.** (Research Dept.). A suggested water development program for Kansas: Kansas Legislative Council Research Dept. Pub. 243, 27 p., Jan. 1963.
- 01402 **Kantawala, Deepak; Tomlinson, H. D.** Comparative study of recovery of zinc and nickel by ion exchange media and chemical precipitation: *Water and Sewage Works*, v. 111, no. 4, p. 192–197, Apr. 1964.
- Kantrowitz, I. H.** See Pluhowski, E. J. 00560
- 00905 **Kantrowitz, I. H.** Ground-water resources of the Syracuse area: New York State Geol. Assoc. Ann. Mtg., 36th, Syracuse Univ., May 8–10, 1964, Guidebook, p. 36–38, 1964.
- 00004 **Kao, T. W.** Stability of two-layer stratified flow down an inclined plane: California Inst. Technology, W. M. Keck Lab. Hydraulics and Water Resources Rept. KH-R-8, 53 p., Aug. 1964.
- Kaplan, R. A.** See Davies, D. S. 01902
- 01250 **Kapustka, S. F.** Chemical composition of surface waters of Louisiana, 1943–58: Baton Rouge, Louisiana Dept. Public Works, 187 p., 1964.
- 01542 **Karol, R. H.** Chemical grouts and field grouting: *Eng. Geology*, v. 1, no. 1, p. 21–37, Jan. 1964.
- 00037 **Karpov, A. V.** Indus Valley—West Pakistan's life line: Am. Soc. Civil Engineers Proc. Paper 3774, Hydraulics Div. Jour., v. 90, no. HY 1, p. 207–242, Jan. 1964.

- 02000 **Karr, M. H.** Introduction to comprehensive planning, in *Water resources planning and development: Oregon State Univ. Water Resources Research Inst., Spring Quarter 1964 Seminar, Corvallis, 1964* [Proc.], p. 1-7, July 1964.
- Kates, R. W.** See **Burton, Ian.** 01242
- Kates, R. W.** See **Burton, Ian.** 01394
- 00057 **Katz, Hyman; Navone, Remo.** Method for simultaneous determination of calcium and magnesium: *Am. Water Works Assoc. Jour.*, v. 56, no. 1, p. 121-123, Jan. 1964.
- Katz, Samuel.** See **Carragan, William.** 01528
- 00674 **Kavanau, J. L.** Water and solute-water interactions: San Francisco, Holden-Day, 101 p., 1964.
- 01568 **Kaye, C. A.** The upper limit of barnacles as an index of sea-level change on the New England coast during the past 100 years: *Jour. Geology*, v. 72, no. 5, p. 580-600, Sept. 1964.
- 00347 **Kazmann, R. G.** New problems in hydrology: *Jour. Hydrology* [Amsterdam], v. 2, no. 2, p. 92-100, 1964.
- Kazmierczak, E.** See **Ludwig, H. F.** 00047
- 00620 **Keech, C. F.; Dreezen, V. H.** Availability of ground water in Hall County, Nebraska: U.S. Geol. Survey Hydrol. Inv. Atlas HA-131, one sheet, Sept. 1964.
- 00848 **Keech, C. F.** Ground-water conditions in the proposed waterfowl refuge area, near Chapman, Nebraska, with a section on Chemical quality of the water, by P. G. Rosene: U.S. Geol. Survey Water-Supply Paper 1779-E, p. E1-E55, Aug. 1964.
- Keech, C. F.** See **Hyland, J. B.** 00850
- 00862 **Keech, C. F.** Ground-water resources of Mirage Flats, Nebraska: U.S. Geol. Survey Water-Supply Paper 1779-BB, p. BB1-BB36, Nov. 1964.
- 01577 **Keech, C. F.** Basic-data report, York County, Nebraska: Nebraska Univ. Conserv. and Survey Div. Nebraska Water Survey Paper 16, 38 p., Dec. 1964.
- 00965 **Kehr, W. Q.; Ownbey, C. R.** Water resources problems of the Great Lakes: *Am. Water Works Assoc. Jour.*, v. 56, no. 9, p. 1167-1172, Sept. 1964.
- Keighton, W. B.** See **McCarthy, L. T., Jr.** 00861
- 01820 **Keith, H. L.** Vertical pump accessories: *Water and Sewage Works*, v. 111, no. 1, p. 39-43, Jan. 1964.
- 01899 **Kelley, W. P.** Maintenance of permanent irrigation agriculture: *Soil Sci.*, v. 98, no. 2, p. 113-117, Aug. 1964.
- 00200 **Kelly, R. P.** Water and power plan NAWAPA, in Nevada Water Conference, 18th, Carson City, 1964, Proceedings: Carson City, Nevada Dept. Conserv. and Nat. Resources, p. 25-29, 1964.
- 00913 **Kelley, T. E.** Geology and ground-water resources, Barnes County, North Dakota, Part 2—Ground-water basic data: *North Dakota Geol. Survey Bull.* 43, pt. 2, 156 p., 1964. (Also listed as North Dakota Water Conserv. Comm. County Ground Water Studies 4.)
- 01979 **Kelly, T. E.** Geohydrology of the Spiritwood aquifer, Stutsman and Barnes Counties, North Dakota, in *Geological Survey Research 1964*, Chapter D: U.S. Geol. Survey Prof. Paper 501-D, p. D161-D165, 1964. [Feb. 1965.]

- 01483 **Kelly, Tim.** The central Arizona project: Arizona Highways, v. 49, no. 2, p. 36-46, Feb. 1964.
- 01668 **Kelso, F. S.; Matthews, J. M.; Kramer, H. P.** Ion-exchange method for determination of fluoride in potable waters: Anal. Chemistry, v. 36, no. 3, p. 577-579, Mar. 1964.
- 00873 **Kelso, M. M.; Mack, Lawrence.** The value of additional surface water to agriculture in the Salt River project, *in* Wealth from watersheds: Arizona Watershed Symposium, 8th, Tempe, 1964, Proc., p. 40-47, 1964.
- 01366 **Kemper, W. D.; Maasland, D. E. L.; Porter, L. K.** Mobility of water adjacent to mineral surfaces: Soil Sci. Soc. America Proc., v. 28, no. 2, p. 1964-1967, Mar.-Apr. 1964.
- 01615 **Kemper, W. D.; Maasland, D. E. L.** Reduction in salt content of solution on passing through thin films adjacent to charged surfaces: Soil Sci. Soc. America Proc., v. 28, no. 3, p. 318-323, May-June 1964.
- Kennedy, D. N.** See Baumli, G. R. 00191
- 00706 **Kennedy, J. F.** The formation of sediment ripples in closed rectangular conduits and in the desert: Jour. Geophys. Research, v. 69, no. 8, p. 1517-1524, Apr. 15, 1964.
- 00540 **Kennedy, V. C.** Sediment transported by Georgia streams: U.S. Geol. Survey Water-Supply Paper 1668, 101 p., Feb. 1964.
- 01268 **Kennedy, V. C.** Base-exchange capacity and clay mineralogy of some modern stream sediments: Internat. Assoc. Sci. Hydrology Pub. 64, p. 95-105, 1964.
- 01886 **Kenner, W. E.** Maps showing depths of selected lakes in Florida: Florida Geol. Survey Inf. Circ. 40, 82 p., 1964.
- 01734 **Kerns, W. H.** Water, *in* Minerals yearbook 1963, v. 1—Metals and minerals (except fuels): Washington, D.C., U.S. Bur. Mines, p. 1209-1220, 1964.
- 00029 **Ketchledge, E. H.** The ecology of a bog: Conservationist, v. 18, no. 6, p. 23-27, June-July 1964.
- 02208 **Ketchum, B. H.; Corwin, Nathaniel.** The persistence of "winter" water on the continental shelf south of Long Island, New York: Limnology and Oceanography, v. 9, no. 4, p. 467-475, Oct. 1964.
- 01082 **Keyser, A. H.** Instrumentation for continuous water quality measurement: Chem. Eng. Prog., v. 60, no. 4, p. 53-56, Apr. 1964.
- 00920 **Keysor, J. W.; Andrews, M. B.** Excavation for water conveyance with nuclear explosives, *in* Engineering with nuclear explosives—Plowshare Symposium, 3d, Davis, California, April 1964, Proceedings: U.S. Atomic Energy Comm. Div. Tech. Inf. [Pub.] TID-7695, p. 363-370, 1964.
- Kidder, E. H.** See Wheaton, R. Z. 00108
- 01492 **Kiersch, G. A.** Vaiont Reservoir disaster: Civil Eng., v. 34, no. 3, p. 32-39, Mar. 1964.
- 01389 **Kijne, J. W.; Taylor, S. A.** The temperature dependence of soil water vapor pressure: Soil Sci. Soc. America Proc., v. 28, no. 5, p. 595-599, Sept.-Oct. 1964.
- 00865 **Kilburn, Chabot.** Ground water in the upper part of the Teton Valley, Teton Counties, Idaho and Wyoming: U.S. Geol. Survey Water-Supply Paper 1789, 60 p., 1964. [Jan. 1965.]

Kilburn, Chabot. See Mundorff, M. J. 01283

- 01649 **Kilner, A. A.; Ratcliff, G. A.** Determination of permanent gases dissolved in water by gas chromatography: *Anal. Chemistry*, v. 36, no. 8, p. 1615-1617, July 1964.
- 00134 **Kilpatrick, F. A.; Barnes, H. H., Jr.** Channel geometry of Piedmont streams as related to frequency of floods: *U.S. Geol. Survey Prof. Paper 422-E*, p. E1-E10, Apr. 1964.
- 00976 **Kilpatrick, F. A.** Source of base flow of streams: *Internat. Assoc. Sci. Hydrology Pub.* 63, p. 329-339, 1964.
- 01363 **Kincaid, D. R.; Gardner, J. L.; Schreiber, H. A.** Soil and vegetation parameters affecting infiltration under semiarid conditions: *Internat. Assoc. Sci. Hydrology Pub.* 65, p. 440-453, 1964.
- 00941 **Kindingstad, Eivind.** Mathematical model for transient river flow: *Am. Soc. Civil Engineers Proc. Paper 3899, Hydraulics Div. Jour.*, v. 90, no. HY 3, p. 23-38, May 1964.
- 00179 **Kindsvater, C. E.** Trends in water resources education: *Am. Soc. Civil Eng. Proc. Paper 3889, Jour. Prof. Practice*, v. 90, no. PP2, p. 1-6, May 1964.
- 00530 **Kindsvater, C. E.** Discharge characteristics of embankment-shaped weirs: *U.S. Geol. Survey Water-Supply Paper 1617-A*, p. A1-A114, Feb. 1964.
- 01100 **Kindsvater, C. E.** (editor). Organization and methodology for river basin planning—Seminar based on the U.S. Study Commission, Southeast River Basins, Atlanta, Georgia, 1964, Proceedings: Atlanta, Georgia Inst. Technology Water Resources Center, 561 p., 1964.
- 02209 **King, A. S.** Irrigation, in Oregon's water problems and future needs. State Water Resources Conference: Oregon Water Resources Board, Salem, Oreg., 1964, Proc., p. [A]91-[A]102, 1964.
- 00443 **King, D. L.; Ball, R. C.** A quantitative biological measure of stream pollution: *Water Pollution Control Federation Jour.*, v. 36, no. 5, p. 650-653, May 1964.
- 01954 **King, R. M.** Records for a well water supply: *Water and Sewage Works*, v. 111, no. 2, p. 87-91, Feb. 1964.
- Kingery, R. A.** See Greenberg, Rima. 00675
- 00640 **Kingsley, Q. S.; Shubeck, F. E.** The effects of organic trenching on runoff: *Jour. Soil and Water Conserv.*, v. 19, no. 1, p. 19-22, Jan.-Feb. 1964.
- Kirkham, Don.** See Ligon, J. T. 00281
- Kirkham, Don.** See Kunze, R. J. 00283
- Kirkham, Don.** See Flannery, R. D. 00285
- Kirkham, Don.** See Zaslavsky, Dan. 00308
- 00714 **Kirkham, Don.** Exact theory for the shape of the free water surface about a well in a semiconfined aquifer: *Jour. Geophys. Research*, v. 69, no. 12, p. 2537-2549, June 15, 1964.
- 01390 **Kirkham, Don.** Physical artifices and formulas for approximating water table fall in tile-drained land: *Soil Sci. Soc. America Proc.*, v. 28, no. 5, p. 585-590, Sept.-Oct. 1964.
- 01510 **Kirkham, Don.** Soil physics, sec. 5, in Chow, V. T., ed., *Handbook of applied hydrology*: New York, McGraw-Hill, p. 5-1 to 5-26, 1964.

- 01790 **Kisiel, C. C.** (and others). Tracer studies with rhodamine-B in a 3.2 kilometer reach of the upper Ohio River: *Internat. Assoc. Theoretical and Appl. Limnology Proc.*, v. 15, pt. 1, p. 265-275, Feb. 1964.
- Kister, L. R.** See Hardt, W. F. 01666
- Kitamura, T.** See Fujioka, Y. 00733
- Kiyoshi, Mido.** See Chun, R. Y. D. 00382
- 01259 **Klein, G. D.; Sanders, J. E.** Comparison of sediments from Bay of Fundy and Dutch Wadden Sea tidal flats: *Jour. Sed. Petrology*, v. 34, no. 1, p. 18-24, Mar. 1964.
- 01729 **Klein, Howard; Schroeder, M. C.; Lichtler, W. F.** Geology and ground-water resources of Glades and Hendry Counties, Florida: *Florida Geol. Survey Rept. Inv.* 37, 101 p., tables, 1964.
- Klein, Howard.** See Sherwood, C. B. 01878
- Kloek, M.** See Voisey, P. W. 01830
- 00309 **Klute, A.; Whisler, F. D.; Scott, E. J.** Soil water diffusivity and hysteresis data from radial flow pressure cells: *Soil Sci. Soc. America Proc.*, v. 28, no. 2, p. 160-163, Mar.-Apr. 1964.
- 00438 **Kneese, A. V.** Socio-economic aspects of water quality management: *Water Pollution Control Federation Jour.*, v. 36, no. 2, p. 254-262, Feb. 1964.
- 01782 **Kneese, A. V.** The economics of regional water quality management: Baltimore, The Johns Hopkins Press, 215 p., 1964.
- 01437 **Knezek, M.; Zajicek, V.** Utilization of hydrological research in problems of artificial recharge and artificial storage of ground water: *Internat. Assoc. Sci. Hydrology Pub.* 64, p. 414-423, 1964.
- 01698 **Knollenberg, Robert.** The distribution of string bogs in central Canada in relation to climate: *Wisconsin Univ. Dept. Meteorology Tech. Rept.* 14, 44 p., Aug. 1964.
- 00514 **Knowles, D. B.; Dreher, F. C.; Whetstone, G. W.** Water resources of the Green Bay area, Wisconsin: *U.S. Geol. Survey Water-Supply Paper* 1499-G, p. G1-G67, Jan. 1964.
- 00541 **Knowles, D. B.** Ground-water conditions in the Green Bay area, Wisconsin, 1950-1960: *U.S. Geol. Survey Water-Supply Paper* 1669-J, p. J1-J37, Feb. 1964.
- 03012 **Knox, J. B.; Rawson, D. E.; Korver, J. A.** Analysis of a ground water anomaly created by an underground nuclear explosion: *California Univ. Lawrence Radiation Lab. [Pub.] UCRL-7674*, 33 p., Jan. 1964.
- 00129 **Koberg, G. E.** Methods to compute long-wave radiation from the atmosphere and reflected solar radiation from a water surface: *U.S. Geol. Survey Prof. Paper* 272-F, p. 107-136, Mar. 1964.
- 00175 **Koberg, G. E.** Elimination of thermal stratification by an air-bubbling technique in Lake Wohlford, California, in *Geological Survey Research* 1964, Chapter D: *U.S. Geol. Survey Prof. Paper* 501-D, p. D190-D192, 1964. [Feb. 1965.]
- 00769 **Koelzer, V. A.; Bitoun, Marcel.** Hydrology of spillway design floods—large structures, limited data: *Am. Soc. Civil Engineers Proc. Paper* 3913, *Hydraulics Div. Jour.*, v. 90, no. HY 3, p. 261-293, May 1964.
- Koenigs, F. F. R.** See Slager, S. 00277

- Kohl, R. A.** See Cary, J. W. 01613
- 00664 **Kohler, M. A.** Simulation of daily catchment water balance, in *Water resources, use and management*: New York, Cambridge Univ. Press, p. 312-328, 1964.
- 01800 **Kohler, M. A.** Rainfall-runoff models: *Internat. Assoc. Sci. Hydrology Pub.* 63, p. 479-491, 1964.
- 02210 **Kohler, M. A.** Simulation of daily catchment water balance, in *Australian Academy of Science, Water resources, use and management*: New York, Cambridge Univ. Press, p. 312-328, 1964.
- 00805 **Kohout, F. A.; Leach, S. D.** Salt-water movement caused by control-dam operation in the Snake Creek Canal, Miami, Florida: *Florida Geol. Survey Rept. Inv.* 24, pt. 4, 49 p., 1964.
- 01070 **Koller, D.; Samish, Y.** A null-point compensating system for simultaneous and continuous measurement of net photosynthesis and transpiration by controlled gas-stream analysis: *Bot. Gazette*, v. 125, no. 2, p. 81-88, June 1964.
- Koloseus, H. J.** See Rouse, Hunter. 00481
- Komarov, V. D.** See Apollov, B. A. 01739
- Kondner, R. L.** See Schimming, B. B. 02128
- 01090 **König, H.** (and others). Helium, neon and argon in the oceans: *Deep-Sea Research*, v. 11, no. 2, p. 243-247, Apr. 1964.
- 00380 **Konoplyantsev, A. A.; Kovalevsky, V. S.; Semenov, S. M.** Regional regularities of the natural regime of unconfined ground waters in the territory of the European part of the U.S.S.R.: *Internat. Assoc. Sci. Hydrology Pub.* 64, p. 384-389, 1964.
- 01030 **Konoski, C. F.** Water and cloud temperatures measured from U-2 aircraft: *Am. Meteorol. Soc. Bull.*, v. 45, no. 9, p. 581-586, Sept. 1964.
- 01032 **Korkigian, I. M.** Channel changes in the St. Clair River since 1933: *Am. Soc. Civil Engineers Proc. Paper* 3511, *Waterways and Harbors Div. Jour.*, v. 89, no. WW 2, p. 1-14, May 1963.
- Korven, H. C.** See Wilcox, J. C. 00017
- Korven, H. C.** See Wilcox, J. C. 00021
- 00022 **Korven, H. C.; Wilcox, J. C.** Effects of flow variations on the salt content and reaction of a mountain creek: *Canadian Jour. Soil Sci.*, v. 44, no. 3, p. 352-359, Oct. 1964.
- Korver, J. A.** See Knox, J. B. 03012
- 00378 **Koudelin, B. I.; Popov, O. V.** An experience of underground flow evaluation on the territory of the U.S.S.R.: *Internat. Assoc. Sci. Hydrology Pub.* 64, p. 372-375, 1964.
- 00968 **Kovacs, Gy.** Relationship between autumn low-water discharge of small watercourses and groundwater conditions: *Internat. Assoc. Sci. Hydrology Pub.* 63, p. 393-405, 1964.
- Kovalevsky, V. S.** See Konoplyantsev, A. A. 00380
- 00085 **Kozachyn, John; McHenry, J. R.** A method for installation of access tubes and the development of field equipment for measuring soil moisture by neutron scatter: *Agronomy Jour.*, v. 56, no. 4, p. 443-444, July-Aug. 1964.

- 01881 **Kozlowski, T. T.; Winget, C. H.** Diurnal and seasonal variation in radii of tree stems: *Ecology*, v. 45, no. 1, p. 149-155, 1964.
- Kramer, H. P.** See Kelso, F. S. 01668
- 01233 **Kramer, J. R.** Theoretical model for the chemical composition of fresh water with application to the Great Lakes, in *Conference on Great Lakes Research*, 7th, Toronto, Canada, 1964, Proceedings: Michigan Univ. Great Lakes Research Div. Pub. 11, p. 147-160, 1964.
- Kraus, K. A.** See Nelson, Frederick. 01737
- Krausz, N. G. P.** See Mann, F. L. 00922
- Krenke, A. N.** See Shumskiy, P. A. 02101
- 01340 **Krenkel, P. A.** (editor). Sanitary and Water Resources Engineering Conference, 3d annual, Nashville, Tennessee, May 25-26, 1964, Proceedings: Nashville, Vanderbilt Univ., Dept. Civil Eng., 161 p., 1964.
- 00323 **Kresge, R. F.; Blust, F. A.; Ropes, G. E.** A comparison of shore and lake precipitation observations for northern Lake Michigan: *Internat. Assoc. Sci. Hydrology Pub.* 65, p. 311-323, 1964.
- 00023 **Krieger, J. H.** The law of the underground: *Civil Eng.*, v. 34, no. 3, p. 52-53, Mar. 1964.
- Krieger, R. A.** See Hendrickson, G. E. 00551
- Krieger, R. A.** See Hembree, C. H. 00561
- 02211 **Krinitzsky, E. L.; Wire, J. C.** Ground water in alluvium of the lower Mississippi valley (upper and central areas): U.S. Army Engineer Waterways Expt. Sta. Tech. Rept. 3-658; v. 1, 100 p.; v. 2, maps; 1964.
- 01756 **Kritsky, S. N.; Menkel, M. F.** The water level fluctuations of closed inland lakes and seas in arid zones: *Internat. Assoc. Sci. Hydrology Pub.* 63, p. 228-232, 1964.
- 02212 **Krombach, H.; Barthel, J.** Investigation of a small watercourse accidentally polluted by phenol compounds, in Southgate, B. A., ed., *Advances in water pollution research*, *Internat. Water Pollution Research Conf.*, 1st, London, 1962, Proc., v. 1: New York, Macmillan, p. 191-203, 1964.
- 00705 **Kruger, Paul; Miller, Albert.** Radiochemical fallout study of a Pacific cyclonic storm: *Jour. Geophys. Research*, v. 69, no. 8, p. 1469-1480, Apr. 15, 1964.
- 01617 **Krumbach, A. W., Jr.; White, D. P.** Moisture, pore space, and bulk density changes in frozen soil: *Soil Sci. Soc. America Proc.*, v. 28, no. 3, p. 422-425, May-June 1964.
- Kuchment, L. S.** See Kalinin, G. P. 02207
- Kuentzel, M. A.** See Berwick, V. K. 01299
- Kulander, B. R.** See Corbett, R. G. 00460
- 01940 **Kunin, V. N.** Underground water—a wasted treasure: *UNESCO Courier*, p. 15-18, 20-21, July-Aug. 1964.
- Kunkel, Fred.** See Pistrang, M. A. 00856
- 01263 **Kunze, G. W.** Retention and movement of chemicals in a watershed as affected by clay and other soil properties, in *Water quality and chemicals—industrial and*

- agricultural: Water for Texas Conf., 9th, College Station, Tex., 1964, Proc., p. 9-15, 1964.
- 00283 **Kunze, R. J.; Kirkham, Don.** Capillary diffusion and self-diffusion of soil water: Soil Sci., v. 97, no. 3, p. 145-151, Mar. 1964.
- 00304 **Kunze, R. J.; Peters, D. B.** A recording balance for measuring unsaturated moisture flow in soil: Soil Sci. Soc. America Proc., v. 28, no. 1, p. 130-131, Jan.-Feb. 1964.
- Kuper, H. W.** See Van Eyden, W. A. A. 01324
- Kuper, H. W.** See Santema, P. 01326
- 01759 **Labrique, J. P.** Portable conductivity meters for low or medium salinity measurement: Internat. Assoc. Sci. Hydrology Bull., v. 9, no. 4, p. 58-62, Dec. 1964.
- 01496 **Laevastu, Taivo; Avery, D. E.; Cox, D. C.** Coastal currents and sewage disposal in the Hawaiian Islands: Hawaii Univ., Hawaii Inst. Geophysics HIG-64-1, 101 p., June 1964.
- 01621 **Lagerwerff, J. V.** Extraction of clay-water systems: Soil Sci. Soc. America Proc., v. 28, no. 4, p. 502-506, July-Aug. 1964.
- 00499 **Laird, L. B.** Chemical quality of the surface waters of the Snake River basin: U.S. Geol. Survey Prof. Paper 417-D, p. D1-D47, Dec. 1964.
- 01097 **Lal, D.; Arnold, J. R.; Somayajulu, B. L. K.** A method for the extraction of trace elements from sea water: Geochim. et Cosmochim. Acta, v. 28, no. 7, p. 1111-1117, July 1964.
- 00926 **Lamar, D. L.** Geology of the Wupatki blowhole system: Plateau, v. 37, no. 1, p. 35-40, Summer 1964.
- 02065 **Lamarck, J. B.** Hydrogeology: Urbana, Univ. Illinois Press, 152 p., 1964. (Translated from French, by Albert V. Carozzi.)
- 02213 **Lamb, R.** A suggested measure of toxicity due to metals in industrial effluents, sewage and river water: Internat. Jour. Air and Water Pollution, v. 8, nos. 3-4, p. 243-249, Mar.-Apr. 1964.
- 00610 **Lambert, T. W.** Availability of ground water in the New Concord quadrangle, Kentucky: U.S. Geol. Survey Hydrol. Inv. Atlas HA-118, one sheet, Oct. 1964.
- Lamberti, V.** See Justice, D. 01085
- 02233 **Lambor, J.; Pietka, Z.** Application of hydroelectric analogy to forecasting of unsteady flow in open channels: Jour. Hydrology [Amsterdam], v. 2, no. 1, p. 44-51, 1964.
- LaMer, V. K.** See Healy, T. W. 00247
- 01682 **LaMer, V. K.; Healy, T. W.** Specification of materials for the retardation of evaporation of water—the spreading of hexadecanol monolayers: Natl. Acad. Sci. Proc., v. 52, no. 3, p. 679-683, Sept. 1964.
- 01555 **Lammers, W. T.** Density gradient separation of plankton and clay from river water—theory and applications: Internat. Assoc. Theoretical and Appl. Limnology Proc., v. 15, pt. 2, p. 1021-1028, Feb. 1964.
- 01791 **LaMoreaux, P. E.** Water, minerals and oil in the South—a frontier of our nation's resources: Internat. Oil Scouts Assoc., 41st Ann. Mtg., Shreveport, La., June 24-27, 1964 Mtg. Ann., p. 29-35, 1964.

- 01351 **Land and Water Contracting.** New erosion/water control structure: Land and Water Contracting, v. 6, no. 5, p. 6-8, May 1964.
- Lane, C. W.** See Petri, L. R. 00516
- 00915 **Lane, D. J.** (and others). Comprehensive planning in the Willamette Basin, Oregon, in Annual meeting, Willamette Basin Project Committee: Oregon Water Resources Board, Salem, Oreg., 1964, Proc., p. [B]13-[B]35, 1964.
- 01993 **Lane, D. J.** The role of the State of Oregon, in Water resources planning and development: Oregon State Univ. Water Resources Research Inst., Spring Quarter 1964 Seminar, Corvallis, 1964 [Proc.], p. 67-74, July 1964.
- 00785 **Lane, R. K.** Estimating evaporation from insolation: Am. Soc. Civil Engineers Proc. Paper 4025, Hydraulics Div. Jour., v. 90, no. HY 5, p. 33-41, Sept. 1964.
- 03033 **Lang, J. W.; Newcome, Roy, Jr.** Status of salt-water encroachment in aquifers along the Mississippi Gulf Coast, 1964: Mississippi Board Water Commissioners Bull. 64-5, 16 p., Sept. 1964.
- 00150 **Langbein, W. B.** Profiles of rivers of uniform discharge, in Geological Survey Research 1964, Chapter B: U.S. Geol. Survey Prof. Paper 501-B, p. B119-B122, June 1964.
- 00167 **Langbein, W. B.; Dawdy, D. R.** Occurrence of dissolved solids in surface waters in the United States, in Geological Survey Research 1964, Chapter D: U.S. Geol. Survey Prof. Paper 501-D, p. D115-D117, 1964. [Feb. 1965.]
- 00666 **Langbein, W. B.** Water research, in Water resources, use and management: New York, Cambridge Univ. Press, p. 481-491, 1964.
- 00765 **Langbein, W. B.** Geometry of river channels: Am. Soc. Civil Engineers Proc. Paper 3846, Hydraulics Div. Jour., v. 90, no. HY 2, p. 301-312, Mar. 1964.
- 00981 **Langbein, W. B.; Leopold, L. B.** Quasi-equilibrium states in channel morphology: Am. Jour. Sci., v. 262, no. 6, p. 782-794, June 1964.
- Langbein, W. B.** See Thomson, M. T. 01883
- 02214 **Langbein, W. B.** Water research, in Australian Academy of Science, Water resources, use and management: New York, Cambridge Univ. Press, p. 481-491, 1964.
- 01080 **Lange, A. L.** Planar domes in solution caves: Cave Notes, v. 6, no. 3, p. 20-23, May-June 1964.
- 01081 **Lange, A. L.** Solution bevels in limestone caves: Cave Notes, v. 6, no. 5, p. 34-38, Sept.-Oct. 1964.
- 01664 **Lange, Willy.** Drought tolerance of plants growing in soil containing fatty alcohol: Internat. Assoc. Sci. Hydrology Bull., v. 9, no. 2, p. 71-79, June 1964.
- Langford, R. H.** See Odell, J. W. 00838
- Langford, R. H.** See Wilson, M. T. 00840
- Langford, R. H.** See Hahl, D. C. 00845
- Langford, R. H.** See Arnow, Ted. 02087
- 00962 **Lansing, Livingston.** Lake effect snow east and southeast of Lake Ontario: Eastern Snow Conf., 21st, Utica, N. Y., 1964, Proc., p. 63-77, 1964.
- 00676 **Larkin, P. A.** Canadian lakes: Internat. Assoc. Theoretical and Appl. Limnology Proc., v. 15, pt. 1, p. 76-90, Feb. 1964.

- 00872 **Larson, Ray.** A city attempts to firm up its water supply, *in* Wealth from watersheds: Arizona Watershed Symposium, 8th, Tempe, 1964, Proc., p. 25-27, 1964.
- 01474 **Larson, T. E.** Ground water supplies of northeastern Illinois—quality problems with well waters: Am. Water Works Assoc. Jour., v. 56, no. 2, p. 169-172, Feb. 1964.
- Larson, W. E.** See Green, R. E. 00302
- 00906 **LaSala, A. M., Jr.; Harding, W. E.; Archer, R. J.** Water resources of the Lake Erie-Niagara area, New York—a preliminary appraisal: New York Water Resources Comm. Bull. GW-52, 5 sheets, bound, 1964.
- 00985 **LaSala, A. M., Jr.; Meikle, R. L.** Records and logs of selected wells and test borings and chemical analyses of water in the Bristol-Plainville-Southington area, Connecticut: Connecticut Water Resources Comm. Connecticut Water Resources Bull. 5, 18 p., 1964.
- 01255 **LaSala, A. M., Jr.** Geology and ground-water resources of the Bristol-Plainville-Southington area, Connecticut: U.S. Geol. Survey Water-Supply Paper 1578, 70 p., 1964. [Apr. 1965.]
- 01353 **Lattman, L. H.; Parizek, R. R.** Relationship between fracture traces and the occurrence of ground water in carbonate rocks: Jour. Hydrology [Amsterdam], v. 2, no. 2, p. 73-91, 1964.
- 01408 **Lau, L. S.** Research in sea-water encroachment and ground-water resources development: Water and Sewage Works, v. 111, no. 7, p. 308-312, July 1964.
- Lauderbach, Preston.** See Cosaro, Gerald. 00063
- 01986 **Laundrum, J. D.** A foundation investigation of Cherokee Cave under Route 1-55, city of St. Louis, *in* Highway Geology Symposium, 15th, Rolla, Missouri, 1964, Proceedings: Rolla, Missouri Div. Geol. Survey and Water Resources, p. 81-94, 1964.
- 00352 **Laurenson, E. M.** A catchment storage model for runoff routing: Jour. Hydrology [Amsterdam], v. 2, no. 2, p. 141-163, 1964.
- 01160 **Law, J. P., Jr.** The effect of fatty alcohol and a nonionic surfactant on soil moisture evaporation in a controlled environment: Soil Sci. Soc. America Proc., v. 28, no. 5, p. 695-699, Sept.-Oct. 1964.
- 02063 **Lawlor, E. A.** Flood routing, part 2, *of* Hydrology of flow control, sec. 25, *in* Chow, V. T., ed., Handbook of applied hydrology: New York, McGraw-Hill, p. 25-34 to 25-59, 1964.
- 01116 **Laymon, L. L.; Barksdale, R. G.** Ground-water conditions in the Clinton area, North Carolina: North Carolina Div. Ground Water Ground-Water Circ. 3, 23 p., 1964.
- Leach, S. D.** See Kohout, F. A. 00805
- 00687 **Leclerc, E.** Self-purification of fresh water streams as affected by temperature and by the content of oxygen, nitrogen and other substances, *in* Southgate, B. A., ed., Advances in water pollution research, Internat. Water Pollution Research Conf., 1st., London, 1962, Proc., v. 1: New York, Macmillan, p. 51-62, 1964.
- 00046 **Ledbetter, J. O.; Gloyna, E. F.** Predictive techniques for water quality inorganics: Am. Soc. Civil Engineers Proc. Paper 3810, Sanitary Eng. Div. Jour., v. 90, no. SA 1, p. 127-151, Feb. 1964.
- 02149 **Lee, Richard.** Potential insolation as a topoclimatic characteristic of drainage basins: Internat. Assoc. Sci. Hydrology Bull., v. 9, no. 1, p. 27-41, Mar. 1964.

Leggat, E. R. See McAdoo, G. D. 00402

00822 **LeGrand, H. E.** Hydrogeologic framework of the Gulf and Atlantic Coastal Plain: *Southeastern Geology*, v. 5, no. 4, p. 177-194, Aug. 1964.

01345 **LeGrand, H. E.** Management aspects of groundwater contamination: *Water Pollution Control Federation Jour.*, v. 36, no. 9, p. 1133-1145, Sept. 1964.

01711 **LeGrand, H. E.** System for evaluation of contamination potential of some waste disposal sites: *Am. Water Works Assoc. Jour.*, v. 56, no. 8, p. 959-974, Aug. 1964.

LeGrand, H. E. See Herrick, S. M. 01768

01481 **Lehmann, J. A.** Control of corrosion in water systems: *Am. Water Works Assoc. Jour.*, v. 56, no. 8, p. 1009-1018, Aug. 1964.

00075 **Lehr, J. H.** Relation of shape of artificial recharge pits to infiltration rate: *Am. Water Works Assoc. Jour.*, v. 56, no. 6, p. 699-702, June 1964.

00436 **Lehr, J. H.** Model analysis of groundwater flow around and through lenticular beds: *Water Pollution Control Federation Jour.*, v. 36, no. 1, p. 84-87, Jan. 1964.

01653 **Lehr, J. H.** An empirical model study of cones of depression produced by pumping wells: *Ground Water*, v. 2, no. 3, p. 10-15, July 1964.

Leifeste, D. K. See Hughes, L. S. 00825

01372 **Lennox, D. H.; Jones, J. F.** Transmissibility determination by the bail-test method: *Ground Water*, v. 2, no. 1, p. 38-39, Jan. 1964.

02215 **Leonard, R. A.; Low, P. F.** Effect of gelation on the properties of water in clay systems, in *Clays and clay minerals*, National Conference, 12th, Atlanta, Georgia, 1963, Proceedings: New York, Macmillan, p. 311-325, 1964.

00360 **Leonard, R. B.; Shah, K. L.** The relation of the chemical quality of the Whitewater River at Towanda to that of the Walnut River at Winfield, Kansas during the 1963 water year: *Kansas Dept. Health Environmental Health Services Bull.* 1-2, 18 p., June 1964.

01275 **Leonard, R. B.** Results of four chemical-quality surveys of the Walnut River basin, Kansas (December 1961 to October 1963): *Kansas Dept. Health Environmental Health Services Bull.* 1-3, 38 p., June 1964.

01332 **Leonard, R. B.** A method for evaluating oil-field-brine pollution of the Walnut River in Kansas, in *Geological Survey Research 1964*, Chapter B: U.S. Geol. Survey Prof. Paper 501-B, p. B173-B176, June 1964.

Leopold, E. B. See Upson, J. E. 01838

00212 **Leopold, L. B.** International Hydrological Decade: *Geotimes*, v. 9, no. 4, p. 16, Nov. 1964.

00672 **Leopold, L. B.; Wolman, M. G.; Miller, J. P.** Fluvial processes in geomorphology: San Francisco, W. H. Freeman, 522 p., 1964.

Leopold, L. B. See Thomas, H. E. 00810

Leopold, L. B. See Langbein, W. B. 00981

02062 **Leopold, L. B.** Water in the world: *UNESCO Courier*, p. 11-13, July-Aug. 1964.

LeRoy, G. M. See Wagner, R. J. 01570

- 00010 **Leslie, R. J.** Sedimentology of Hudson Bay district of Keewatin, 34, 44, and 54: Canada Geol. Survey Paper 63-48, 31 p., 1964.
- 01863 **Leve, G. W.** Analysis of current meter data from wells by flow-distribution curves: *Ground Water*, v. 2, no. 2, p. 12-17, Apr. 1964.
- 00353 **Levi, Enzo; Valdes, Remigio.** A method for direct analysis of hydrographs: *Jour. Hydrology [Amsterdam]*, v. 2, no. 2, p. 182-190, 1964.
- Levine, G.** See **Seginer, I.** 00282
- Levine, G.** See **Seginer, I.** 02243
- 01523 **Lewis, Alfred.** This thirsty world—water supply and problems ahead: New York, McGraw-Hill, 96 p., 1964.
- 00354 **Lewis, D. C.; Burgy, R. H.** Hydrologic balance from an experimental watershed: *Jour. Hydrology [Amsterdam]*, v. 2, no. 3, p. 197-212, 1964. [Mar. 1965.]
- 01302 **Lewis, D. C.; Burgy, R. H.** The relationship between oak tree roots and groundwater in fractured rock as determined by tritium tracing: *Jour. Geophys. Research*, v. 69, no. 12, p. 2579-2588, June 15, 1964.
- 01654 **Lewis, D. C.; Burgy, R. H.** Hydraulic characteristics of fractured and jointed rock: *Ground Water*, v. 2, no. 3, p. 4-9, July 1964.
- Lewis, G. B.** See **Seymour, A. H.** 01945
- 00484 **Liakopoulos, A. C.** Theoretical solution of the gravity drainage problem: *Jour. Hydraulic Research*, v. 2, no. 1, p. 50-74, 1964.
- 02162 **Liakopoulos, A. C.** Theoretical aspects of the flow of water through anisotropic unsaturated soils: *Internat. Assoc. Sci. Hydrology Bull.*, v. 9, no. 1, p. 62-70, Mar. 1964.
- 01231 **Libby, R. W.** Methods and facilities for conducting water quality studies in the Great Lakes, in *Conference on Great Lakes Research*, 7th, Toronto, Canada, 1964, Proceedings: Michigan Univ. Great Lakes Research Div. Pub. 11, p. 100-109, 1964.
- Lichtler, W. F.** See **Klein, Howard.** 01729
- 01749 **Lichtler, W. F.; Anderson, Warren; Joyner, B. F.** Interim report on the water resources of Orange County, Florida: *Florida Geol. Survey Inf. Circ.* 41, 50 p., 1964.
- Lieber, Maxim.** See **Perlmutter, N. M.** 00163
- 01803 **Lieber, Maxim; Perlmutter, N. M.; Frauenthal, H. L.** Cadmium and hexavalent chromium in Nassau County [New York] ground water: *Am. Water Works Assoc. Jour.*, v. 56, no. 6, p. 739-747, June 1964.
- 00472 **Liebmann, H.** Recent developments in the treatment of industrial wastes: *Internat. Assoc. Theoretical and Appl. Limnology Proc.*, v. 15, pt. 2, p. 610-614, Feb. 1964.
- 00731 **Lienhard, J. H.** A statistical mechanical prediction of the dimensionless unit hydrograph: *Jour. Geophys. Research*, v. 69, no. 24, p. 5231-5238, Dec. 15, 1964.
- 00281 **Ligon, J. T.; Kirkham, Don; Johnson, H. P.** The falling water table between open ditch drains: *Soil Sci.*, v. 97, no. 2, p. 113-118, Feb. 1964.
- Likens, G. E.** See **Ragotzkie, R. A.** 01003

- 01875 **Linaweaver, F. P., Jr.; Geyer, J. C.; Wolff, J. B.** Progress report on the residential water use research project: *Am. Water Works Assoc. Jour.*, v. 56, no. 9, p. 1121-1128, Sept. 1964.
- 01279 **Linck, C. J.** Planned ground water exploration: *Am. Water Works Assoc. Jour.*, v. 56, no. 4, p. 418-422, Apr. 1964. (Also published in *Water and Sewage Works-Reference No.*, v. 111, p. R108-R110, Nov. 30, 1964.)
- Linsley, R. K.** See Crawford, N. H. 01448
- 01781 **Linsley, R. K.; Franzini, J. B.** Water-resources engineering: New York, McGraw-Hill, 654 p., 1964.
- 02216 **Linsley, R. K.** Some socio-economic aspects of water development, in *Australian Academy of Science, Water resources, use and management*: New York, Cambridge Univ. Press, p. 429-437, 1964.
- Lisk, D. J.** See Gutermann, W. H. 01444
- 00722 **List, E. J.** The steady flow of precipitation to an infinite series of tile drains above an impervious layer: *Jour. Geophys. Research*, v. 69, no. 16, p. 3371-3381, Aug. 15, 1964.
- 00677 **Livingstone, D. A.** The sodium cycle of the hydrosphere: *Internat. Assoc. Theoretical and Appl. Limnology Proc.*, v. 15, pt. 1, p. 289-292, Feb. 1964.
- 00483 **Lliboutry, L.** The crystalline texture and plastic deformation of ice: *Jour. Hydraulic Research*, v. 2, no. 1, p. 41-49, 1964.
- 00344 **Lloyd, E. H.; Odoom, S.** Probability theory of reservoirs with seasonal input: *Jour. Hydrology [Amsterdam]*, v. 2, no. 1, p. 1-10, 1964.
- Loeltz, O. J.** See Cohen, Philip. 00895
- Lofgren, B. E.** See Davis, G. H. 00531
- 02165 **Logan, John.** Estimating transmissibility from routine production tests of water wells: *Ground Water*, v. 2, no. 1, p. 35-37, Jan. 1964.
- 01145 **Lohman, S. W.; Robinove, C. J.** Photographic description and appraisal of water resources: *Photogrammetria*, v. 19, no. 3, p. 83-103, 1964.
- 00250 **Long, A. R.** Monthly rainfall pattern in Alabama: *Alabama Acad. Sci. Jour.*, v. 35, no. 2, p. 45-47, Apr. 1964.
- Long, A. T.** See McAdoo, G. D. 00402
- 00213 **Long, B. L.** Water Resources Research Act, 1964: *Geotimes*, v. 9, no. 4, p. 14-16, Nov. 1964.
- Long, D. C.** See Moldenhauer, W. C. 01168
- Long, D. E.** See Allen, H. E. 00588
- Long, D. E.** See Noehre, A. W. 00589
- Long, F. L.** See Sparrow, G. N. 01834
- Longyear, Judith.** See White, W. B. 00631
- 00660 **Loofbourow, R. L.; Brittain, R. L.** Dewatering through wells before mine development: *Mining Cong. Jour.*, v. 50, no. 7, p. 43-50, July 1964.
- 00618 **Lopez, M. A.** Floods at Toa Alta, Toa Baja, and Dorado, Puerto Rico: *U.S. Geol. Survey Hydrol. Inv. Atlas HA-128*, one sheet, Aug. 1964.

- Lorius, C.** See Bauer, A. 01103
- 01167 **Lotspeich, F. B.** Strength and bulk density of compacted mixtures of kaolinite and glass beads: Soil Sci. Soc. America Proc., v. 28, no. 6, p. 737-740, Nov.-Dec. 1964.
- Lounsbury, R. E.** See Marcher, M. V. 00559
- 00373 **Lovas, L.** The effect of clay minerals on the permeability of sand soils: Internat. Assoc. Sci. Hydrology Pub. 64, p. 274-289, 1964.
- Low, P. F.** See Richards, L. A. 00300
- Low, P. F.** See Young, Allen. 00729
- Low, P. F.** See Mokady, R. S. 01156
- Low, P. F.** See Oster, J. D. 01298
- Low, P. F.** See Leonard, R. A. 02215
- Lowder, W. M.** See Adams, J. A. S. 01347
- 01253 **Lubke, E. R.** Hydrogeology of the Huntington-Smithtown area, Suffolk County, New York: U.S. Geol. Survey Water-Supply Paper 1669-D, p. D1-D68, Apr. 1964.
- 01842 **Lubowe, J. K.** Stream junction angles in the dendritic drainage pattern: Am. Jour. Sci., v. 262, no. 3, p. 325-339, Mar. 1964.
- 00464 **Lucas, H. F., Jr.** A fast and accurate survey technique for both radon-222 and radium-226, chap. 17, in Adams, J. A. S., and Lowder, W. M., eds., The natural radiation environment: Houston, Tex., William Marsh Rice Univ., p. 315-329, 1964.
- Lucchesi, P. J.** See Carter, J. L. 00241
- 00047 **Ludwig, H. F.; Kazmierczak, E.; Carter, E. C.** Waste disposal and the future at Lake Tahoe: Am. Soc. Civil Engineers Proc. Paper 3947, Sanitary Eng. Div. Jour., v. 90, no. SA 3, p. 27-51, June 1964.
- 00112 **Ludwig, H. F.; Meron, Aharon; Whisler, Elmer.** Comprehensive planning for water and soil conservation in California watersheds: Am. Soc. Agr. Engineers Trans. (Gen. Ed.), v. 7, no. 3, p. 218-223, Nov. 1964.
- 01418 **Ludwig, H. F.; Carter, R. C.; Scherfig, J.** Characteristics of oil and grease found in the marine environment: Water and Sewage Works, v. 111, no. 11, p. 486-491, Nov. 1964.
- 02061 **Lull, H. W.** Ecological and silvicultural aspects, sec. 6, in Chow, V. T., ed., Handbook of applied hydrology: New York, McGraw-Hill, p. 6-1 to 6-30, 1964.
- 00001 **Lunch, R. C.** Folsom-East Sacramento ground water quality investigation: California Dept. Water Resources Bull. 133, 97 p., App. A-D, 11 pls., Mar. 1964.
- 00030 **Lundgren, H.; Jonsson, I. G.** Shear and velocity distribution in shallow channels: Am. Soc. Civil Engineers Proc. Paper 3752, Hydraulics Div. Jour., v. 90, no. HY 1, p. 1-21, Jan. 1964.
- 01623 **Lunin, J.; Gallatin, M. H.; Batchelder, A. R.** Effects of supplemental irrigation with saline water on soil composition and on yields with cation content of forage crops: Soil Sci. Soc. America Proc., v. 28, no. 4, p. 551-554, July-Aug. 1964.
- Lunin, Jesse.** See Bower, C. A. 01532
- Luthin, J. N.** See Brutsaert, Wilfried. 00704

- Luthin, James.** *See* Schmid, Paul. 02242
- 01586 **Luthy, R. G.** New concept for iron bacteria in water wells: *Water Well Jour.*, v. 18, no. 3, p. 29-30, Mar. 1964.
- 01101 **Lyford, W. H.** Water table fluctuations in periodically wet soils of central New England: *Harvard Univ. Harvard Forest Paper* 8, 15 p., 1964.
- Lyles, Leon.** *See* Fanning, C. D. 00638
- Lynch, M. P.** *See* Harrison, W. 00475
- Lynn, W. R.** *See* Montgomery, M. M. 00045
- Lynn, W. R.** *See* Shane, R. M. 00791
- Lyons, M. S.** *See* O'Neill, A. L. 01543
- 02217 **Lyons, M. S.** Interpretation of planar structure in drill-hole core: *Geol. Soc. America Spec. Paper* 78, 67 p., 1964.
- Maasland, D. E. L.** *See* Kemper, W. D. 01366
- Maasland, D. E. L.** *See* Kemper, W. D. 01615
- Mabbutt, J. A.** *See* Slatyer, R. O. 02028
- 00607 **MacCary, L. M.** Availability of ground water in the Briensburg quadrangle, Kentucky: *U.S. Geol. Survey Hydrol. Inv. Atlas* HA-114, one sheet, 1964. [Jan. 1965.]
- 00615 **MacCary, L. M.** Availability of ground water in the Hazel quadrangle, Kentucky-Tennessee: *U.S. Geol. Survey Hydrol. Inv. Atlas* HA-124, one sheet, 1964. [Jan. 1965.]
- 02009 **MacCary, L. M.** Availability of ground water in the Hardin quadrangle, Kentucky: *U.S. Geol. Survey Hydrol. Inv. Atlas* HA-115, one sheet, 1964. [Jan. 1965.]
- 01705 **MacGowan, C. F.** Report on demonstration plants for saline-water conversion: *Am. Water Works Assoc. Jour.*, v. 56, no. 11, p. 1385-1392, Nov. 1964.
- 01358 **Mack, F. K.; Pauszek, F. H.; Crippen, J. R.** Geology and hydrology of the West Milton area, Saratoga County, New York: *U.S. Geol. Survey Water-Supply Paper* 1747, 110 p., June 1964.
- 00474 **Mack, G. L.** Pesticide persistence in soils, *in* *Water quality and chemicals—industrial and agricultural: Water for Texas Conf.*, 9th, College Station, Tex., 1964, *Proc.*, p. 16-19, 1964.
- 00663 **Mack, L. E.** Sources of water for industry with special reference to municipal supplies: *Little Rock, Arkansas Indus. Devel. Comm.*, 18 p., 1963.
- Mack, Lawrence.** *See* Kelso, M. M. 00873
- Mack, Seymour.** *See* Davis, G. H. 00531
- Mackay, D. K.** *See* Arnold, K. C. 01488
- 00422 **Mackenthun, K. M.; Porges, Ralph; Ingram, W. M.** Limnological¹ aspects of recreational lakes: *U.S. Public Health Service Pub.* 1167, 176 p., 1964.
- MacKenzie, A. J.** *See* Meek, B. D. 00307

- 01261 **MacRostie, Wayne; Eaton, J. R.** The California State water project in 1964: California Dept. Water Resources Bull. 132-64, 244 p., tables, App. A-C, June 1964. [Appendix D published separately.]
- Maddock, Thomas, Jr.** See Fahnestock, R. K. 00152
- 00173 **Maderak, M. L.** Relation of chemical quality of water to recharge to the Jordan Sandstone in the Minneapolis-St. Paul area, Minnesota, in Geological Survey Research 1964, Chapter C: U.S. Geol. Survey Prof. Paper 501-C, p. C176-C179, Oct. 1964.
- Magee, R. J.** See Erinc, G. 01049
- Maguire, F. J.** See Doyel, W. W. 01331
- Mahon, W. A. J.** See Ellis, A. J. 01099
- 01784 **Mahoney, J. R.** Navigability of the Green River—management of its waters for resource development: Salt Lake City, Univ. Utah Bur. Econ. and Business Research, 88 p., Oct. 1964.
- 02120 **Majumdar, A. K.; Das, Gayatri.** Spectrophotometric determination of vanadium with N-benzoyl-o-tolylhydroxylamine: Anal. Chim. Acta, v. 31, no. 2, p. 147-152, Aug. 1964.
- 00397 **Malde, H. E.** Environment and man in arid America: Science, v. 145, no. 3628, p. 123-129, July 1964.
- Malhoit, M. M.** See Emery, P. A. 01575
- 01824 **Malina, J. F., Jr.** Toxicity of petrochemicals in the aquatic environment: Water and Sewage Works, v. 111, no. 10, p. 456-460, Oct. 1964.
- 00141 **Malmberg, G. T.; Eakin, T. E.** Relation of fluoride content to recharge and movement of ground water in Oasis Valley, southern Nevada, Art. 163 in Short papers in geology and hydrology: U.S. Geol. Survey Prof. Paper 475-D, p. D189-D191, Mar. 1964.
- 00909 **Malmberg, G. T.** Land subsidence in Las Vegas Valley, Nevada, 1935-63: Nevada Dept. Conserv. and Nat. Resources Ground-Water Resources—Inf. Ser. Rept. 5, 10 p., May 1964.
- 01807 **Mamak, Wiktor.** River regulation: Washington, D. C., U.S. Dept. Commerce Office Tech. Services, 380 p., 1964. [Translated from Polish, by J. Pzewuski, A. Machalski, J. Budziakowski.]
- 01449 **Mandel, S.** The mechanism of sea-water intrusion into calcareous aquifers: Internat. Assoc. Sci. Hydrology Pub. 64, p. 127-131, 1964.
- 01999 **Mangan, J. F.** Irrigation, in Water resources planning and development: Oregon State Univ. Water Resources Research Inst., Spring Quarter 1964 Seminar, Corvallis, 1964 [Proc.], p. 8-19, July 1964.
- Manganelli, R. M.** See Haughey, F. J. 01342
- 00922 **Mann, F. L.; Ellis, H. H.; Krausz, N. G. P.** Water-use law in Illinois: Illinois Univ. Agr. Expt. Sta. Bull. 703, 332 p., 1964.
- Manolev, Lazar.** See Haus, J. B. 01059
- Marchello, J. M.** See Muenz, K. 00626
- 00559 **Marcher, M. V.; Bingham, R. H.; Lounsbury, R. E.** Ground-water geology of the Dickson, Lawrenceburg, and Waverly areas in the western Highland Rim, Tennessee: U.S. Geol. Survey Water-Supply Paper 1764, 50 p., Sept. 1964.

- 00240 **Marchi, R. P.; Eyring, Henry.** Application of significant structure theory to water: Jour. Phys. Chemistry, v. 68, no. 2, p. 221-228, Feb. 1964.
- 00667 **Marcus, M. G.** Climate-glacier studies in the Juneau Ice Field region, Alaska: Chicago Univ. Dept. Geography Research Paper No. 88, 128 p., 1964.
- Marcus, M. G.** See Heusser, C. J. 01357
- 00847 **Marine, I. W.; Price, Don.** Geology and ground-water resources of the Jordan Valley, Utah: Utah Geol. and Mineralog. Survey Water-Resources Bull. 7, 68 p., Dec. 1964.
- 03028 **Markland, T. R.** Subsurface water geology of Spanish Fork quadrangle, Utah County, Utah: Brigham Young Univ. Geology Studies, v. 11, p. 37-65, Dec. 1964.
- 00099 **Marler, G. D.** Seasonal change in ground water in relation to hot spring activity: Am. Jour. Sci., v. 262, no. 5, p. 674-685, May 1964.
- 00844 **Marsell, R. E.** Water supply, in Geology of Salt Lake County: Utah Geol. and Mineralog. Survey Bull. 69, p. 141-155, Nov. 1964.
- 01958 **Marshall, C. E.** The physical chemistry and mineralogy of soils, Volume 1—Soil materials: New York, John Wiley and Sons, 388 p., 1964.
- 01311 **Marshall, J. S.; Beeton, A. M.; Chandler, D. C.** Role of zooplankton in the freshwater strontium cycle and influence of dissolved salts: Internat. Assoc. Theoretical and Appl. Limnolgy Proc., v. 15, pt. 2, p. 665-672, Feb. 1964.
- 01755 **Marshall, Nelson; Rubinsky, Stanley.** A microstratification water sampler: Ecology, v. 45, no. 1, p. 193-194, 1964.
- 01663 **Marston, R. B.** Characteristics of a commercially-available surface-moisture, nuclear probe: Internat. Assoc. Sci. Hydrology Bull., v. 9, no. 2, p. 80-89, June 1964.
- 01158 **Martin, J. P.; Richards, S. J.; Pratt, P. F.** Relationship of exchangeable Na percentage at different soil pH levels to hydraulic conductivity: Soil Sci. Soc. America Proc., v. 28, no. 5, p. 620-622, Sept.-Oct. 1964.
- Martin, R. O. R.** See Otton, E. G. 00513
- 01633 **Martin, R. O. R.** Use of precipitation records in the correlation of streamflow records: Internat. Assoc. Sci. Hydrology Bull., v. 9, no. 4, p. 24-31, Dec. 1964.
- 01764 **Martinec, Jaroslav.** Forecasting streamflow from snow storage in an experimental watershed: Internat. Assoc. Sci. Hydrology Pub. 63, p. 127-134, 1964.
- 01658 **Martinelli, M., Jr.** Influence of gap width below a vertical slat snow fence on size and location of lee drift: Internat. Assoc. Sci. Hydrology Bull., v. 9, no. 4, p. 48-57, Dec. 1964.
- 02060 **Mason, K. M.** Water use and water quality in the Pennsylvania portion of the Potomac basin, in The Potomac in Pennsylvania: Interstate Comm. Potomac River Basin Proc. 1964-2, p. 3-5, June 1964.
- 01748 **Massarenti, I. M.** Percussion-reverse circulation water-well drilling system designed and developed in Italy: Ground Water, v. 2, no. 2, p. 25-27, Apr. 1964.
- Matalas, N. C.** See Dawdy, D. R. 01779
- 02018 **Matalas, N. C.; Jacobs, Barbara.** A correlation procedure for augmenting hydrologic data: U.S. Geol. Survey Prof. Paper 434-E, p. E1-E7, Dec. 1964.

- 00960 **Mathe, R. E.** Report of the Corps of Engineers, U.S. Army Engineer District, Sacramento, in Nevada Water Conference, 18th, Carson City, 1964, Proceedings: Carson City, Nevada Dept. Conserv. and Nat. Resources, p. 84-88, 1964.
- 00836 **Mather, J. R.** (editor). Average climatic water balance data of the continents, Part 5—Europe: Thornthwaite, C. W., Associates, Lab. Climatology, Pubs. Climatology, v. 17, no. 1, 229 p., 1964.
- 00955 **Mather, J. R.** (editor). Average climatic water balance data of the continents, Part 6—North America (excluding United States): Thornthwaite, C. W., Associates, Lab. Climatology, Pubs. Climatology, v. 17, no. 2, p. 235-414, 1964.
- 00959 **Mather, J. R.** (editor). Average climatic water balance data of the continents, Part 7—United States: Thornthwaite, C. W., Associates, Lab. Climatology, Pubs. Climatology, v. 17, no. 3, p. 419-615, 1964.
- 01920 **Mather, J. R.; Adams, Henry, III; Yoshioka, G. A.** Coastal storms of the Eastern United States: Jour. Appl. Meteorology, v. 3, no. 6, p. 693-706, Dec. 1964.
- 00341 **Mathews, W. H.** Water pressure under a glacier: Jour. Glaciology, v. 5, no. 38, p. 235-240, June 1964.
- 01330 **Mathews, W. H.** Discharge of a glacial stream: Internat. Assoc. Sci. Hydrology Pub. 63, p. 290-300, 1964.
- 01364 **Mathews, W. H.** Sediment transport from Athabasca Glacier, Alberta: Internat. Assoc. Sci. Hydrology Pub. 65, p. 155-165, 1964.
- 00971 **Matthess, Georg; Thews, J.-D.** Gaging of low-water as means of investigation of the hydrological conditions of a region: Internat. Assoc. Sci. Hydrology Pub. 63, p. 389-392, 1964.
- Mathews, J. M.** See Kelso, F. S. 01668
- 01937 **Mauchline, J.; Templeton, W. L.** Artificial and natural radioisotopes in the marine environment, in Barnes, Harold, ed., Oceanography and marine biology—an annual review, volume 2: New York, Hafner Publishing Co., p. 229-279, 1964.
- 01218 **Mauchline, John; Taylor, A. M.** The accumulation of radionuclides by the Thornback ray, *Raja Clavata L.*, in the Irish Sea: Limnology and Oceanography, v. 9, no. 3, p. 303-309, July 1964.
- 01571 **Mauchline, John; Taylor, A. M.; Ritson, E. B.** The radioecology of a beach: Limnology and Oceanography, v. 9, no. 2, p. 187-193, Apr. 1964.
- 00203 **Maxey, G. B.** Report of the Desert Research Institute, in Nevada Water Conference, 18th, Carson City, 1964, Proceedings: Carson City, Nevada Dept. Conserv. and Nat. Resources, p. 49-55, 1964.
- 00350 **Maxey, G. B.** Hydrostratigraphic units: Jour. Hydrology [Amsterdam], v. 2, no. 2, p. 124-129, 1964.
- 01509 **Maxey, G. B.** Hydrogeology, part 1, of Geology, sec. 4, in Chow, V. T., ed., Handbook of applied hydrology: New York, McGraw-Hill, p. 4-1 to 4-38, 1964.
- Maxey, G. B.** See Domenico, P. A. 01580
- Maxey, G. B.** See Bredehoeft, J. D. 02181
- 00091 **Maxwell, J. C.** Influence of depth, temperature, and geologic age on porosity of quartzose sandstone: Am. Assoc. Petroleum Geologists Bull., v. 48, no. 5, p. 697-709, May 1964.
- 01096 **May, B. Z.** Surface calcium-chlorinity relationships: Florida Acad. Sci. Quart. Jour., v. 27, no. 3, p. 177-185, Sept. 1964.

- May, H. G.** See Page, L. V. 01135
- May, V. J.** See Allen, H. E. 00126
- May, V. J.** See Allen, H. E. 00591
- 00361 **Mayes, J. L.; Culbertson, Don.** Chemical quality of surface waters in Kansas, 1962 water year: Kansas Dept. Health Environmental Health Services Bull. 1-4, 61 p., July 1964.
- 00402 **McAdoo, G. D.; Leggat, E. R.; Long, A. T.** Geology and ground-water resources of Carson County and part of Gray County, Texas—progress report no. 2: Texas Water Comm. Bull. 6402, 27 p., Mar. 1964.
- 01762 **McCallister, J. P.** Role of digital computers in hydrologic forecasting and analyses: Internat. Assoc. Sci. Hydrology Pub. 63, p. 68-76, 1964.
- 01228 **McCallum, G. E.; Dworsky, L. B.** Great Lakes development program—review and prospects, in Conference on Great Lakes Research, 7th, Toronto, Canada, 1964, Proceedings: Michigan Univ. Great Lakes Research Div. Pub. 11, p. 19-31, 1964.
- 00566 **McCarren, E. F.** Chemical quality of surface water in the West Branch Susquehanna River basin, Pennsylvania: U.S. Geol. Survey Water-Supply Paper 1779-C, p. C1-C40, Jan. 1964.
- 00861 **McCarthy, L. T., Jr.; Keighton, W. B.** Quality of Delaware River water at Trenton, New Jersey: U.S. Geol. Survey Water-Supply Paper 1779-X, p. X1-X51, Oct. 1964.
- McClelland, P. H.** See Johnson, C. R. 01872
- McClurg, J. O.** See Fairchild, M. G. 02142
- McClurkin, D. C.** See Bennett, N. C. 01848
- 00218 **McColloch, F. C.** Oregon's mining and mineral industries—water needs and problems, in Oregon's water problems and future needs, State Water Resources Conference: Oregon Water Resources Board, Salem, Ore., 1964, Proc., p. [A]55-[A]60, 1964.
- 00528 **McCollum, M. J.; Counts, H. B.** Relation of salt-water encroachment to the major aquifer zones, Savannah area, Georgia and South Carolina: U.S. Geol. Survey Water-Supply Paper 1613-D, p. D1-D26, Oct. 1964.
- 02127 **McCollum, M. J.** Salt-water movement in the principal artesian aquifer of the Savannah area, Georgia and South Carolina: Ground Water, v. 2, no. 4, p. 4-8, Oct. 1964.
- 00986 **McConaghy, J. A.** (and others). Hydrogeologic data of the Denver Basin, Colorado: Colorado Water Conserv. Board Basic-Data Rept. 15, 224 p., 1964.
- 02059 **McConaghy, J. A.; Colburn, G. W.** Records of wells in Colorado: Colorado Water Conserv. Board Basic-Data Release 17, 384 p., 1964.
- 00226 **McCulloch, D. S.; Janda, R. J.** Subaqueous river channel barchan dunes: Jour. Sed. Petrology, v. 34, no. 3, p. 694, Sept. 1964.
- 00404 **McDaniels, L. L.** Conservation storage reservoirs in Texas—some aspects and chronology of surface-water resources development: Texas Water Comm. Bull. 6404, 24 p.; App., A1-A15; Apr. 1964.
- McDaniels, L. L.** See Vandertulip, J. J. 00830
- McDonald, H. R.** See Horton, J. S. 00921

- 00433 **McGauhey, P. H.** Fate of synthetic detergents in ground waters, *in* Krenkel, P. A., ed., Sanitary and Water Resources Engineering Conference, 3^d, Nashville, Tennessee, 1964, Proceedings: Nashville, Vanderbilt Univ., Dept. Civil Eng., p. 88-96, 1964.
- McGauhey, P. H.** See Erlich, Harry. 02129
- McGinnis, L. D.** See Dudley, W. W., Jr. 00228
- 00229 **McGinnis, L. D.; Dudley, W. W., Jr.** Seismic studies of three areas in northern Nevada, *in* Geophysical studies in Nevada relating to hydrogeology: Nevada Univ. Desert Research Inst. Tech. Rept. 2, p. 25-37, Jan. 1964.
- 01307 **McGinnis, L. D.** Earthquakes and crustal movement as related to water load in the Mississippi valley region: Illinois Geol. Survey Circ. 344, 20 p., 1953.
- 00028 **McGovern, H. E.; Gregg, D. O.; Brennan, Robert.** Hydrogeologic data of the alluvial deposits in Pueblo and Fremont Counties, Colorado: Colorado Water Conserv. Board Basic-Data Release 18, 27 p., 1964.
- 00565 **McGovern, H. E.** Geology and ground-water resources of Washington County, Colorado: U.S. Geol. Survey Water-Supply Paper 1777, 46 p., Dec. 1964.
- 00574 **McGreevy, L. J.; Gordon, E. D.** Ground water east of Jackson Lake, Grand Teton National Park, Wyoming: U.S. Geol. Survey Circ. 494, 27 p., 1964. [Aug. 1965.]
- 00669 **McGuinness, C. L.** The U.S.G.S. and the driller: Driller, v. 38, no. 6, p. 12-23, June 1964.
- 01193 **McGuinness, C. L.** Ground-water research of the U.S. Geological Survey: U.S. Geol. Survey Circ. 492, 7 p., Oct. 1964.
- 01435 **McGuinness, C. L.** (compiler). Generalized map showing annual runoff and productive aquifers in the conterminous United States: U.S. Geol. Survey Hydrol. Inv. Atlas HA-194, 1 sheet, Sept. 1964.
- McHenry, J. R.** See Kozachyn, John. 00085
- 01370 **McHenry, J. R.** A two-probe nuclear device for determining the density of sediments: Internat. Assoc. Sci. Hydrology Pub. 65, p. 189-202, 1964.
- 01387 **McHenry, J. R.; Dendy, F. E.** Measurement of sediment density by attenuation of transmitted gamma rays: Soil Sci. Soc. America Proc., v. 28, no. 6, p. 817-822, Nov.-Dec. 1964.
- 00958 **McKay, G. A.** Relationships between snow survey and climatological measurements for the Canadian Great Plains: Western Snow Conf., 32d, Nelson, British Columbia, 1964, Proc., p. 9-19, 1964.
- McKelvey, J. G.** See Milne, I. H. 01459
- McLatchie, A. S.** See Young, Allen. 00729
- 00947 **McMeen, J. A.** Ground water supply for the city of Marion [South Dakota]: South Dakota Geol. Survey Spec. Rept. 27, 33 p., 1964.
- 00950 **McMeen, J. A.** Ground water supply for the city of Harrisburg [South Dakota]: South Dakota Geol. Survey Spec. Rept. 26, 27 p., 1964.
- 00390 **McMullen, R. M.; Allen, J. R. L.** Preservation of sedimentary structures in wet unconsolidated sands using polyester resins: Marine Geology, v. 1, no. 1, p. 88-97, Feb. 1964.

- 00871 **McMullin, R. J.** An irrigation district cooperates in watershed rehabilitation, *in* *Wealth from watersheds: Arizona Watershed Symposium, 8th, Tempe, 1964, Proc.*, p. 23-24, 1964.
- 01162 **McNeal, B. L.; Reeve, R. C.** Elimination of boundary-flow errors in laboratory hydraulics conductivity measurements: *Soil Sci. Soc. America Proc.*, v. 28, no. 5, p. 713-714, Sept.-Oct. 1964.
- 01787 **McNickle, R. K.** (editor). *Water—development, utilization, conservation: Western Resources Conf., 5th, Colorado State Univ., 1963, Western Resources Papers, Boulder, Univ. Colorado Press, 244 p.*, 1964.
- McNown, J. S.** *See* Yu, Y. S. 00479
- McPherson, M. B.** *See* Jens, S. W. 01517
- McQueen, J. E.** *See* Boyer, R. E. 01147
- 00149 **Meade, R. H.** Removal of water and rearrangement of particles during the compaction of clayey sediments—review: *U.S. Geol. Survey Prof. Paper 497-B*, p. B1-B23, July 1964.
- Meade, R. H.** *See* Corliss, J. B. 00157
- Medsker, L. L.** *See* Jenkins, David. 01871
- 00307 **Meek, B. D.; MacKenzie, A. J.; Stockinger, K. R.** Evaluation of a radioactive tracer method for measuring water intake of soils: *Soil Sci. Soc. America Proc.*, v. 28, no. 2, p. 153-155, Mar.-Apr. 1964.
- Meffley, R. W.** *See* Illingworth, L. R. 01989
- 01236 **Megerian, Edmond.** Forecasting Great Lakes levels second through sixth month, *in* *Conference on Great Lakes Research, 7th, Toronto, Canada, 1964, Proceedings: Michigan Univ. Great Lakes Research Div. Pub. 11, p. 238-252, 1964.*
- Megregian, Stephen.** *See* Scarce, L. E. 00999
- 02058 **Meier, M. F.** Ice and glaciers, sec. 16, *in* Chow, V. T., ed., *Handbook of applied hydrology*: New York, McGraw-Hill, p. 16-1 to 16-32, 1964.
- 00831 **Meier, W. L., Jr.** Analysis of unit hydrographs for small watersheds in Texas: *Texas Water Comm. Bull. 6414, 58 p.*, Aug. 1964.
- 02219 **Meierjürgen, H. P.** Fish and wildlife, *in* *Oregon's water problems and future needs, State Water Resources Conference: Oregon Water Resources Board, Salem, Oreg., 1964, Proc.*, p. [A]51-[A]54, 1964.
- 00925 **Meijer, W. O. J. G.** Formula for conversion of stereoscopically observed apparent depth of water to true depth, numerical examples and discussion: *Photogramm. Eng.*, v. 30, no. 6, p. 1037-1045, Nov. 1964.
- Meikle, R. L.** *See* LaSala, A. M., Jr. 00985
- Meikle, R. L.** *See* Cushman, R. V. 01867
- 01319 **Meiners, R. G.** Strip mining legislation: *Nat. Resources Jour.*, v. 3, no. 3, p. 442-469, Jan. 1964.
- 00952 **Meinke, W. W.; Waldrip, W. J.** Research on evaporation retardation in small reservoirs, 1958-63: *Texas Water Comm. Bull. 6401, 83 p.*, Mar. 1964.
- Mellen, F. F.** *See* Bicker, A. R., Jr. 01334

- 01985 **Mellor, Malcolm.** Cold regions science and engineering, Part 3, Sec. A1 — Properties of snow: Hanover, N. H., U.S. Army Cold Regions Research and Eng. Lab., 105 p., Dec. 1964.
- 02220 **Mellor, Malcolm.** Cold regions science and engineering, Part 2, Sec. C1—Snow and ice on the earth's surface: Hanover, N. H., U.S. Army Cold Regions Research and Eng. Lab., 163 p., July 1964.
- 00739 **Melton, C. G.; Cook, R. L.** Water-lift and disposal operations in low-pressure gas wells: Jour. Petroleum Technology, v. 16, no. 6, p. 619–622, June 1964.
- Mendieta, H. B.** See Irelan, Burdge. 00853
- 01885 **Menke, C. G.; Meridith, E. W.; Wetterhall, W. S.** Water-resources records of Hillsborough County, Florida: Florida Geol. Survey Inf. Circ. 44, 95 p., 1964.
- Menkel, M. F.** See Kritsky, S. N. 01756
- 01626 **Menz, J. A.** The economic evaluation of a drainage project: Jour. Soil and Water Conserv., v. 19, no. 1, p. 12–14, Jan.–Feb. 1964.
- Meridith, E. W.** See Menke, C. G. 01885
- 03018 **Mermsemer, L. F.** (and others). Construction and operation of a 16-unit rainulator: U.S. Dept. Agriculture [Pub.] ARS 41–62, 136 p., Mar. 1964.
- 01763 **Mero, F.** Application of the ground-water depletion curves in analyzing and forecasting spring discharges influenced by well fields: Internat. Assoc. Sci. Hydrology Pub. 63, p. 107–117, 1964.
- Meron, Aharon.** See Ludwig, H. F. 00112
- 02222 **Merryfield, Fred.** Oregon's water problems and future needs—domestic and municipal, in Oregon's water problems and future needs, State Water Resources Conference: Oregon Water Resources Board, Salem, Oreg., 1964, Proc., p. [A]107–[A]115, 1964.
- 01316 **Meyboom, Peter.** Three observations on streamflow depletion by phreatophytes: Jour. Hydrology [Amsterdam], v. 2, no. 3, p. 248–261, 1964. [Mar. 1965.]
- 02232 **Meyboom, Peter.** Sketches showing some aspects of groundwater geology: Canada Geol. Survey Prelim. Ser. Map 2-1964, 1 sheet, 1964.
- 02223 **Meyer, Gerald.** Water investigations in West Virginia, chap. 6, in The West Virginia Geological and Economic Survey—its accomplishments and outlook: West Virginia Geol. and Econ. Survey [Repts.], v. 23, p. 103–110, 1963.
- 02224 **Meyer, Gerald; Griffin, W. C.; Wark, J. W.** Surface-, ground-, and quality-of-water investigations in West Virginia, in Dodson, C. L., ed., West Virginia Water Research Symposium, Morgantown, 1963, Proceedings: Morgantown, West Virginia Univ., p. 13–17, 1964.
- Meyer, H. E.** See Adams, P. C. 01337
- Meyer, J. F.** See Bretscher, M. M. 01600
- Michalko, Frank.** See Carragan, William. 01528
- 01001 **Michigan University.** (Great Lakes Research Division). Conference on Great Lakes Research, 7th, Toronto, Canada, April 6–7, 1964, Proceedings: Michigan Univ. Great Lakes Research Div. Pub. 11, 390 p., 1964.

- 00659 **Michigan Water Resources Commission.** Water resource conditions and uses in the Paw Paw River basin (1964 revision) : Lansing, Michigan Water Resources Comm., 56 p., 1964.
- 01677 **Michigan Water Resources Commission.** Water resource conditions and uses in the Michigan portion of the Maumee River basin: Lansing, Michigan Water Resources Comm., 65 p., 1964.
- Mickelson, R. H.** See Sandoval, F. M. 01611
- 01417 **Middlebrooks, E. J.; Corey, M. W.** Tables for depth before hydraulic jump: Water and Sewage Works, v. 111, no. 10, p. 466-467, Oct. 1964.
- 01317 **Middleton, F. M.** Advanced treatment of wastewaters for re-use: Water and Sewage Works, v. 111, no. 9, p. 401-410, Sept. 1964.
- 00843 **Middleton, H. K.** (editor). Hydraulic research in the United States, 1964: U.S. Natl. Bur. Standards Misc. Pub. 261, 215 p., Aug. 1964.
- Midgett, M. R.** See Phibbs, E. J., Jr. 00989
- Mido, K. W.** See Chun, R. Y. D. 00774
- 00624 **Mifflin, M. D.; Domenico, P. A.** Seismology, hydrogeology, and meteorology of the proposed nuclear power plant site in Mason Valley, Nevada, Part 2—Hydrogeology: Reno, Univ. Nevada Desert Research Inst., 12 p., 1964.
- 01987 **Migliaccio, R. R.** Engineering and construction problems in the Valdez district, Alaska, in Highway Geology Symposium, 15th, Rolla, Missouri, 1964, Proceedings: Rolla, Missouri Div. Geol. Survey and Water Resources, p. 45-80, 1964.
- Mikkelson, T. T.** See Smith, A. D. 00018
- Miller, Albert.** See Kruger, Paul. 00705
- 02113 **Miller, D. E.** Estimating moisture retained by layered soils: Jour. Soil and Water Conserv., v. 19, no. 6, p. 235-237, Nov.-Dec. 1964.
- 00253 **Miller, D. T.** (editor). Report for the fiscal year July 1, 1963, to June 30, 1964: Los Angeles, Metropolitan Water Dist. Southern California, 225 p., 1964.
- 00621 **Miller, H. W.; Jolley, D. H.** Flooding and recovery of the Jefferson City mine: Mining Cong. Jour., v. 50, no. 1, p. 16-21, Jan. 1964.
- Miller, J. P.** See Leopold, L. B. 00672
- 01031 **Miller, M. M.** Inventory of terminal position changes in Alaskan coastal glaciers since the 1750's: Am. Philos. Soc. Proc., v. 108, no. 3, p. 257-273, June 1964.
- Miller, R. L.** See Worley, D. P. 00186
- 00095 **Miller, W. D.; Reddell, D. L.** Alaskan earthquake damages Texas High Plains water wells: Am. Geophys. Union Trans., v. 45, no. 4, p. 659-663, Dec. 1964.
- Milligan, C. H.** See Bagley, J. M. 01767
- 01588 **Milmoe, Meg.** Once upon a mountain: Water Well Jour., v. 18, no. 10, p. 8, 31-33, Oct. 1964.
- 01459 **Milne, I. H.; McKelvey, J. G.; Trump, R. P.** Semi-permeability of bentonite membranes to brines: Am. Assoc. Petroleum Geologists Bull., v. 48, no. 1, p. 103-105, Jan. 1964.
- 02141 **Milne, L. J.; Milne, Margery.** Water and life: New York, Athernum, 275 p., 1964.

- Milne, Margery.** *See* Milne, L. J. 02141
- Milton, John.** *See* Ordway, S. H., Jr. 01244
- Minckley, W. L.** *See* Tindall, D. R. 01216
- 00730 **Mink, J. F.** Groundwater temperatures in a tropical island environment: *Jour. Geophys. Research*, v. 69, no. 24, p. 5225-5230, Dec. 15, 1964.
- Mink, J. F.** *See* Visher, F. N. 02107
- Minke, J. G.** *See* Burford, A. E. 00459
- 00661 **Minnesota Department of Health.** (Section of Water Pollution Control). Report on investigation of the lower Minnesota River and tributaries from Carver Rapids to the mouth, August, 1963 to February, 1964: Minneapolis, Minnesota Water Pollution Control Comm., 103 p., tables, 1964.
- 01928 **Minnesota Department of Health.** (Division of Environmental Sanitation). Radioactivity in Minnesota surface water supplies, July-December 1963: *Radiolog. Health Data*, v. 5, no. 6, p. 294-295, June 1964.
- 00994 **Minnesota Division of Waters.** The St. Louis River watershed unit: *Minnesota Div. Waters Bull.* 22, 53 p., Nov. 1964.
- 00394 **Minnesota Engineer.** Minnesota's northern border waterways: *Minnesota Jour. Sci.*, v. 7, no. 3, p. 15-23, Feb. 1964.
- Minshall, W. H.** *See* Thorn, G. D. 02248
- Minter, K. W.** *See* Copeland, B. J. 01378
- Mirynch, E.** *See* Terasmae, J. 01234
- 00020 **Mirza, C.; Irwin, R. W.** Determination of subsidence of an organic soil in southern Ontario: *Canadian Jour. Soil Sci.*, v. 44, no. 2, p. 248-253, June 1964.
- 01445 **Mishtak, J.** Soil mechanics aspects of the Red River floodway: *Canadian Geotech. Jour.*, v. 1, no. 3, p. 133-146, July 1964.
- 01505 **Missouri Div. Geol. Survey.** (and Water Resources). Water quality of Big, Bourbeuse and Meramec River basins: Jefferson City, Missouri Water Pollution Board, 65 p., 1964.
- 03006 **Mitchell, J. K.** Shearing resistance of soils as a rate process: *Am. Soc. Civil Engineers Proc. Paper 3773, Soil Mechanics and Found. Div. Jour.*, v. 90, no. SM 1, p. 29-61, Jan. 1964.
- Mitchell, L. R.** *See* Chun, R. Y. D. 00774
- 00900 **Mitchell, W. B.** A search for the least common denominator of runoff forecasting: *Western Snow Conf.*, 32d, Nelson, British Columbia, 1964, Proc., p. 41-43, 1964.
- 00064 **Moehrl, K. E.** Well grouting and well protection: *Am. Water Works Assoc. Jour.*, v. 56, no. 4, p. 423-431, Apr. 1964.
- Moeller, D. W.** *See* Straub, C. P. 02245
- Moeller, M. D.** *See* Wood, P. R. 00924
- Mohanrao, G. J.** *See* Folsom, T. R. 01725

- 01156 **Mokady, R. S.; Low, P. F.** The tension-moisture content relationship under static and dynamic conditions: *Soil Sci. Soc. America Proc.*, v. 28, no. 4, p. 583-584, July-Aug. 1964.
- 01168 **Moldenhauer, W. C.; Long, D. C.** Influence of rainfall energy on soil loss and infiltration rates, Part 1 — Effect over a range of texture: *Soil Sci. Soc. America Proc.*, v. 28, no. 6, p. 813-817, Nov.-Dec. 1964.
- Moldenhauer, W. C.** See Schmidt, B. L. 01626
- Monkman, J. L.** See Bartlett, J. C. 01060
- 02098 **Monroe, W. H.** The zanjon, a solution feature of karst topography in Puerto Rico, in *Geological Survey Research 1964, Chapter B: U.S. Geol. Survey Prof. Paper 501-B*, p. B126-B129, June 1964.
- 00045 **Montgomery, M. M.; Lynn, W. R.** Analysis on sewage treatment systems by simulation: *Am. Soc. Civil Engineers Proc. Paper 3807, Sanitary Eng. Div. Jour.*, v. 90, no. SA 1, p. 73-97, Feb. 1964.
- 00820 **Montgomery, Porter.** Effects of Alaskan earthquake on water levels in the Edwards underground reservoir in Bexar County: *South Texas Geol. Soc. Bull.*, v. 4, no. 8, p. 6-10, Apr. 1964.
- 01931 **Mooney, R. R.; Hildebrandt, P. W.** Radioactivity in Washington surface water, July 1962-June 1963: *Radiolog. Health Data*, v. 5, no. 8, p. 386-389, Aug. 1964.
- 00174 **Moore, A. M.** Correlation and analysis of water-temperature data for Oregon streams, in *Geological Survey Research 1964, Chapter D: U.S. Geol. Survey Prof. Paper 501-D*, p. D185-D189, 1964. [Feb. 1965.]
- Moore, D. O.** See Eakin, T. E. 00172
- Moore, G. K.** See Nyman, D. J. 01386
- 00633 **Moore, G. W.** Geochemical notes on the Black Chasm dive of May 19, 1962: *Speleo Digest* 1962, p. 2-97-2-100, Apr. 1964.
- 00419 **Moore, J. E.** (and others). Ground-water test well 2, Nevada Test Site, Nye County, Nevada—a summary of lithologic data, aquifer tests, and well construction, with a section on Geophysical logs, by R. D. Carroll: *U.S. Geol. Survey Rept. TEI-836*, 73 p., 1963.
- Moore, J. E.** See Schoff, S. L. 02027
- 00759 **Morel-Seytoux, H. J.** Domain variations in channel seepage flow: *Am. Soc. Civil Engineers Proc. Paper 3822, Hydraulics Div. Jour.*, v. 90, no. HY 2, p. 55-79, Mar. 1964.
- 00243 **Morey, G. W.; Burlew, J. S.** Studies of solubility in systems containing alkali and water, [Part] 4 — The field of sodium hydroxide in the system sodium hydroxide-sodium carbonate-water: *Jour. Phys. Chemistry*, v. 68, no. 7, p. 1706-1712, July 1964.
- 00496 **Morgan, C. O.; Winner, M. D., Jr.** Salt-water encroachment in the aquifers of the Baton Rouge area—preliminary report and proposal: *Baton Rouge, Louisiana Dept. Public Works*, 37 p., Jan. 1964.
- 01478 **Morgan, E. J.** History and description of the Oahu water plan: *Am. Water Works Assoc. Jour.*, v. 56, no. 5, p. 543-548, May 1964.
- Morgan, H. M.** See Walker, H. J. 01706
- 00593 **Morgan, J. H.** Availability of ground water in the Farmington quadrangle, Kentucky: *U.S. Geol. Survey Hydrol. Inv. Atlas HA-92*, one sheet, Sept. 1964.

- 00606 **Morgan, J. H.** Availability of ground water in the Kirksey quadrangle, Kentucky: U.S. Geol. Survey Hydrol. Inv. Atlas HA-113, one sheet, Dec. 1964.
- 00608 **Morgan, J. H.** Availability of ground water in the Oak Level quadrangle, Kentucky: U.S. Geol. Survey Hydrol. Inv. Atlas HA-116, one sheet, Oct. 1964.
- 00609 **Morgan, J. H.** Availability of ground water in the Elva quadrangle, Kentucky: U.S. Geol. Survey Hydrol. Inv. Atlas HA-117, one sheet, 1964. [Jan. 1955.]
- 00098 **Morisawa, Marie.** Development of drainage systems on an upraised lake floor: *Am. Jour. Sci.*, v. 262, no. 3, p. 340-354, Mar. 1964.
- Morris, D. A.** See Whitcomb, H. A. 02022
- 00832 **Morris, D. E.** Occurrence and quality of ground water in Young County, Texas: *Texas Water Comm. Bull.* 6415, 80 p., Dec. 1964.
- Morris, J. C.** See Weber, W. J., Jr. 00442
- 00696 **Morris, J. C.; Weber, W. J., Jr.** Removal of biologically-resistant pollutants from waste waters by adsorption, in Eckenfelder, W. W., ed., *Advances in water pollution research*, Internat. Water Pollution Research Conf., 1st, London, 1962, Proc., v. 2: New York, Macmillan, p. 231-266, 1964.
- Morris, J. C.** See Weber, W. J., Jr. 01469
- Morris, J. C.** See Weber, W. J., Jr. 01477
- 00396 **Morris, J. M., Jr.** Disposal of oil field brines in the San Joaquin Valley of California, in *Industrial Waste Conference*, 18th, Lafayette, Indiana, 1963, Proceedings: *Purdue Univ. Eng. Ext. Ser.* 115, p. 348-367, 1964.
- Morris, J. M., Jr.** See Gunnerson, C. G. 01644
- 00740 **Morris, R. L.; Grine, D. R.** Using compressional and shear acoustic amplitudes for the location of fractures: *Jour. Petroleum Technology*, v. 16, no. 6, p. 623-632, June 1964.
- Morse, E. K.** See White, N. D. 01485
- Mosley, J. C.** See Thronson, R. E. 00189
- 03019 **Moston, R. P.; Johnson, A. I.** Ultrasonic dispersion of samples of sedimentary deposits, in *Geological Survey Research 1964*, Chapter C: U.S. Geol. Survey Prof. Paper 501-C, p. C159-C160, Oct. 1964.
- Motts, W. S.** See Dinwiddie, G. A. 00519
- 00963 **Motts, W. S.; Cushman, R. L.** An appraisal of the possibilities of artificial recharge to ground-water supplies in part of the Roswell basin, New Mexico: U.S. Geol. Survey Water-Supply Paper 1785, 85 p., Oct. 1964.
- 00376 **Moulder, E. A.; Jenkins, C. T.** Methods for controlling the ground-water regime, exploitation and conservation: *Internat. Assoc. Sci. Hydrology Pub.* 64, p. 329-342, 1964.
- 00425 **Mower, R. W.; Feltis, R. D.** Ground-water data, Sevier Desert, Utah: *Utah State Engineer Basic Data Rept.* 9, 34 p., 1964.
- 01206 **Mower, R. W.** (and others). An appraisal of potential ground-water salvage along the Pecos River between Acme and Artesia, New Mexico: U.S. Geol. Survey Water-Supply Paper 1659, 98 p., Apr. 1964.
- 01456 **Muckel, D. C.** New techniques in water management: *Agr. Eng.*, v. 45, no. 1, p. 34-35, Jan. 1964.

- 00062 **Mueller, K. C.; Burbank, N. C., Jr.** Effects of polyelectrolyte coagulant aids on removal of Missouri River turbidity with ferric sulfate: *Am. Water Works Assoc. Jour.*, v. 56, no. 3, p. 333-346, Mar. 1964.
- 00768 **Mueller, N. H. G.** Water jet pump: *Am. Soc. Civil Engineers Proc. Paper* 3908, *Hydraulics Div. Jour.*, v. 90, no. HY 3, p. 82-113, May 1964.
- 00626 **Muenz, K.; Marchello, J. M.** Technique for measuring amplitudes of small surface waves: *Rev. Sci. Instruments*, v. 35, no. 8, p. 953-957, Aug. 1964.
- 00537 **Muir, K. S.** Geology and ground water of San Antonio Creek valley, Santa Barbara County, California: *U.S. Geol. Survey Water-Supply Paper* 1664, 53 p., June 1964.
- 01329 **Müller-Neuhaus, G.** Determination and charting of the waste load in a flowing stream, *in* Southgate, B. A., ed., *Advances in water pollution research*, *Internat. Water Pollution Research Conf.*, 1st, London, 1962, *Proc.*, v. 1: New York, Macmillan, p. 245-259, 1964.
- 00866 **Mundorff, J. C.** Fluvial sediment in Kiowa Creek basin, Colorado: *U.S. Geol. Survey Water-Supply Paper* 1798-A, p. A1-A70, Oct. 1964.
- 02226 **Mundorff, J. C.; Scott, C. H.** Fluvial sediment in the lower Kansas River basin, a progress report, 1957-60: *Kansas Water Resources Board Bull.* 7, 67 p., June 1964.
- 00524 **Mundorff, M. J.** Geology and ground-water conditions of Clark County, Washington, with a description of a major alluvial aquifer along the Columbia River: *U.S. Geol. Survey Water-Supply Paper* 1600, 268 p., June 1964.
- 01283 **Mundorff, M. J.; Crosthwaite, E. G.; Kilburn, Chabot.** Ground water for irrigation in the Snake River basin in Idaho: *U.S. Geol. Survey Water-Supply Paper* 1654, 224 p., Aug. 1964.
- 02227 **Mungan, Necmettin.** Role of wettability and interfacial tension in water flooding: *Soc. Petroleum Engineers Jour.*, v. 4, no. 2, p. 115-123, June 1964.
- 01375 **Munn, R. E.; Richards, T. L.** The lake breeze—a survey of the literature and some applications to the Great Lakes, *in* *Conference on Great Lakes Research*, 7th, Toronto, Canada, 1964, *Proceedings: Michigan Univ. Great Lakes Research Div. Pub.* 11, p. 253-266, 1964.
- Munoz, J. L.** *See* Holland, H. D. 01742
- 01696 **Munson, W. C.** Hydrologic study, Western Division, South Coast Irrigation District for Puerto Rico Water Authority: Washington, D. C., U.S. Bur. Reclamation, 93 p., May 1964.
- Muralidhar, D.** *See* Rajaratnam, N. 00761
- Murase, Takeo.** *See* Nelson, Frederick. 01737
- Muroski, Frank.** *See* Willey, B. F. 00984
- Muse, R. W.** *See* Dillard, J. W. 01746
- 02147 **Musgrove, G. W.; Holtan, H. N.** Infiltration, sec. 12, *in* Chow, V. T., ed., *Handbook of applied hydrology*: New York, McGraw-Hill, p. 12-1 to 12-30, 1964.
- Musgrove, R. H.** *See* Toler, L. G. 00967
- Myers, B. N.** *See* Alexander, W. H., Jr. 00828
- 01900 **Myers, L. E.** Harvesting precipitation: *Internat. Assoc. Sci. Hydrology Pub.* 65, p. 343-351, 1964.

96 BIBLIOGRAPHY OF HYDROLOGY, 1964

- 01431 **Nace, R. L.** The International Hydrological Decade: *Am. Geophys. Union Trans.*, v. 45, no. 3, p. 413-421, Sept. 1964.
- 01546 **Nace, R. L.** Water of the world: *Nat. History*, v. 73, no. 1, p. 10-19, Jan. 1964.
- 01598 **Nace, R. L.** Water—essential factor of economic development: *Impact Sci. Soc.*, v. 14, no. 1, p. 39-55, 1964.
- Nakai, Noboyuki.** *See* Deevey, E. S., Jr. 01553
- 01269 **Nasmith, Hugh.** Land slides and Pleistocene deposits in the Meikle River valley of northern Alberta: *Canadian Geotech. Jour.*, v. 1, no. 3, p. 155-166, July 1964.
- Navone, Remo.** *See* Katz, Hyman. 00057
- 01718 **Navone, Remo.** Proposed method for nitrate in potable waters: *Am. Water Works Assoc. Jour.*, v. 56, no. 6, p. 781-783, June 1964.
- 00421 **Neale, J. H.** Advanced waste treatment by distillation: *U.S. Public Health Service Pub. 999-WP-9*, 55 p., 1964. (Also issued as *Advanced Waste Treatment Research Pub. AWTR-7*.)
- 01069 **Neale, L. C.** Flow measurement: *Boston Soc. Civil Engineers Jour.*, v. 51, no. 4, p. 354-381, Oct. 1964.
- 03034 **Neely, B. L., Jr.** Floods of 1962 in Mississippi: *Mississippi Board Water Commissioners Bull.* 64-6, 97 p., Dec. 1964.
- Neff, E. L.** *See* Robins, J. S. 01636
- 01737 **Nelson, Frederick; Murase, Takeo; Kraus, K. A.** Ion exchange procedures, Part 1—Cation exchange in concentrated HCl and HClO₄ solutions: *Jour. Chromatography*, v. 13, no. 2, p. 503-535, Feb. 1964.
- 01125 **Nelson, H. T.** Reclamation needs are international—a look at Brazil, in *Annual meeting, Willamette Basin Project Committee: Oregon Water Resources Board, Salem, Oreg.*, 1964, Proc., p. [B]3-[B]12, 1964.
- 00411 **Nelson, J. L.; Perkins, R. W.; Nielsen, J. M.** Progress in studies of radionuclides in Columbia River sediments: *U.S. Atomic Energy Comm. Research and Devel. Rept. HW-83614*, 24 p., Dec. 1964.
- 01115 **Nelson, P. F.; Peek, H. M.** Preliminary report on ground water in Beaufort County, with special reference to potential effects of phosphate mining: *North Carolina Div. Ground Water Ground-Water Circ.* 2, 25 p., 1964.
- 01247 **Nelson, P. F.** Geology and ground-water resources of the Swanquarter area, North Carolina: *North Carolina Div. Ground Water Ground-Water Bull.* 4, 79 p., 1964.
- 00374 **Nelson, R. W.** Stream functions for three-dimensional flow in heterogeneous porous media: *Internat. Assoc. Sci. Hydrology Pub.* 64, p. 290-301, 1964.
- Nemerow, N. L.** *See* Jackson, D. F. 01230
- 00077 **Neuberger, J. W.; Sharp, A. L.** Storage rain gage measures rainfall at remote locations: *Agr. Eng.*, v. 45, no. 4, p. 208-209, Apr. 1964.
- 02143 **Nevada Dept. Conserv. Nat. Resources.** (and Nevada State Reclamation Assoc.). Nevada Water Conference, 18th annual, Carson City, Sept. 24-25, 1964, Proceedings: *Carson City, Nevada Dept. Conserv. and Nat. Resources*, 114 p., 1964.

- 02228 **Nevada Dept. Conserv. Nat. Resources.** Fifth annual progress report of the Humboldt River research project: Carson City, Nevada Dept. Conserv. and Nat. Resources, 18 p., Feb. 1964.
- Nevo, Z.** See Avnimelech, Y. 00296
- 00254 **New Mexico State Engineer.** Twenty-sixth biennial report of the State Engineer of New Mexico: Santa Fe, New Mexico State Engineer, 162 p., 1964.
- 01373 **New York Temporary State Comm.** (on Water Resources Planning?). Drought insurance through water resources planning and development in New York State—progress report of the Temporary State Commission on Water Resources Planning: New York State Legislative Doc. (1964) No. 15, 221 p., 1964.
- 03030 **Newcome, Roy, Jr.; Callahan, J. A.** Water for industry in the Corinth area, Mississippi: Mississippi Board Water Commissioners Bull. 64-2, 24 p., May 1964.
- 03031 **Newcome, Roy, Jr.; Golden, H. G.** Status of water resources in Jackson County, Mississippi, fiscal year 1964: Mississippi Board Water Commissioners Bull. 64-3, 17 p., July 1964.
- Newcome, Roy, Jr.** See Lang, J. W. 03033
- 00428 **Newman, J. B.** The role of the Corps of Engineers in water resources development—present and future, in Krenkel, P. A., ed., Sanitary and Water Resources Engineering Conference, 3d, Nashville, Tennessee, 1964, Proceedings: Nashville, Vanderbilt Univ., Dept. Civil Eng., p. 9-33, 1964.
- 01919 **Newton, C. W.; Fankhauser, J. C.** On the movements of convective storms, with emphasis on size discrimination in relation to water-budget requirements: Jour. Appl. Meteorology, v. 3, no. 6, p. 651-668, Dec. 1964.
- 00622 **Newton, W. A.** A geologic evaluation of the proposed Ruedi dam and reservoir, Eagle County, Colorado: Mtn. Geologist, v. 1, no. 2, p. 73-77, Apr. 1964.
- 02229 **Nichols, J. H.** Ohio's troubled waters: News in Eng., v. 26, no. 4, p. 2-11, Nov. 1964.
- 02230 **Nichols, J. M.** "Ozark Rivers"—economic development and single use preservation?: Jour. Forestry, v. 62, no. 3, p. 147-153, Mar. 1964.
- 01034 **Nichols, R. B.** How a waterway improvement changed environment: Am. Soc. Civil Engineers Proc. Paper 3690, Waterways and Harbors Div. Jour., v. 89, no. WW 4, p. 1-12, Nov. 1963.
- 01219 **Nicholson, H. P.** (and others). Water pollution by insecticides in an agricultural river basin. [Part] 1 — Occurrence of insecticides in river and treated municipal water: Limnology and Oceanography, v. 9, no. 3, p. 310-317, July 1964.
- 01498 **Nickelsburg, Janet.** California's climates: New York, Coward-McCann, 94 p., 1964.
- 01499 **Nickelsburg, Janet.** California's natural resources: New York, Coward-McCann, 126 p., 1964.
- 01500 **Nickelsburg, Janet.** California—water and land: New York, Coward-McCann, 94 p., 1964.
- Nickless, G.** See Pollard, F. H. 01738
- Nielsen, D. R.** See Biggar, J. W. 01157
- Nielsen, J. M.** See Nelson, J. L. 00411

- Nieman, R. H. *See* Gardner, W. R. 00812
- 02231 Nir, A. On the interpretation of tritium "age" measurements of groundwater: Jour. Geophys. Research, v. 69, no. 12, p. 2589-2595, June 15, 1964.
- Nishita, H. *See* Essington, E. H. 00410
- Niyomthai, Chaleo. *See* Ackermann, N. L. 00938
- 00643 Nobe, K. C. Emerging national policies governing outdoor recreation in Federal water development projects: Jour. Soil and Water Conserv., v. 19, no. 2, p. 61-66, Mar.-Apr. 1964.
- 00127 Noehre, A. W. Floods in Wadsworth quadrangle, Illinois-Wisconsin: U.S. Geol. Survey Hydrol. Inv. Atlas HA-144, one sheet, 1964. [Jan. 1965.]
- Noehre, A. W. *See* Ellis, D. W. 00586
- Noehre, A. W. *See* Ellis, D. W. 00587
- 00589 Noehre, A. W.; Ellis, D. W.; Long, D. E. Floods in Libertyville quadrangle, Illinois: U.S. Geol. Survey Hydrol. Inv. Atlas HA-88, one sheet, June 1964.
- 01519 Nordenson, T. J.; Richards, M. M. River forecasting, part 4, of Hydrology of flow control, sec. 25, in Chow, V. T., ed., Handbook of applied hydrology: New York, McGraw-Hill, p. 25-98 to 25-111, 1964.
- 00779 Nordin, C. F., Jr. Study of channel erosion and sediment transport: Am. Soc. Civil Engineers Proc. Paper 3984, Hydraulics Div. Jour., v. 90, no. HY 4, p. 173-192, July 1964.
- 01204 Nordin, C. F., Jr. Aspects of flow resistance and sediment transport, Rio Grande near Bernalillo, New Mexico: U.S. Geol. Survey Water-Supply Paper 1498-H, p. H1-H41, Apr. 1964.
- 01964 Nordin, C. F., Jr.; Beverage, J. P. Temporary storage of fine sediment in islands and point bars of alluvial channels of the Rio Grande, New Mexico and Texas, Art. 150 in Short papers in geology and hydrology: U.S. Geol. Survey Prof. Paper 475-D, p. D138-D140, Mar. 1964.
- 00395 North Carolina Dept. Water Resources. Water resources planning in North Carolina: Raleigh, North Carolina Dept. Water Resources, 214 p., July 1964.
- 01525 Northern Virginia Soil Conserv. Dist. A report of erosion-flooding-sedimentation, in Fairfax County, Virginia, January 1, 1962-December 31, 1963: Fairfax, Northern Virginia Soil Conserv. Dist., 24 p., 1964.
- Norton, A. D. *See* Schweitzer, G. K. 01045
- 00554 Norvitch, R. F. Geology and ground-water resources of Nobles County and part of Jackson County, Minnesota: U.S. Geol. Survey Water-Supply Paper 1749, 70 p., Aug. 1964.
- Nuzman, C. E. *See* Winslow, J. D. 00755
- Nyman, D. J. *See* Criner, J. H. 00857
- 01386 Nyman, D. J.; Moore, G. K. Summary of the ground water resources of Madison County, Tennessee: Tennessee Div. Water Resources Hydrol. Atlas 1, one sheet, 1963.
- 01952 Oak Ridge National Laboratory. Oak Ridge National Laboratory annual report, 1964: U.S. Natl. Lab., Oak Ridge, Tenn. [Pub.] ORNL-3900, 199 p., 1964.

- 01797 **Oborn, E. T.** Intracellular and extracellular concentration of manganese and other elements by aquatic organisms: U.S. Geol. Survey Water-Supply Paper 1667-C, p. C1-C18, Feb. 1964.
- 01154 **O'Connor, D. J.; Falk, L. L.; Franks, R. G. E.** Analog computation of the dispersion of pollutants in the Delaware estuary, *in* Industrial Waste Conference, 18th, Lafayette, Indiana, 1963, Proceedings: Purdue Univ. Eng. Ext. Ser. 115, p. 391-406, 1964.
- 01818 **O'Connor, D. J.** A comparison of probability distributions in the analysis of drought flows: Water and Sewage Works, v. 111, no. 4, p. 180-185, Apr. 1964.
- 01868 **O'Connor, J. T.; Renn, C. E.** Soluble-adsorbed zinc equilibrium in natural waters: Am. Water Works Assoc. Jour., v. 56, no. 8, p. 1055-1061, Aug. 1964.
- 02234 **O'Connor, J. T.; Renn, C. E.; Wintner, Irmgard.** Zinc concentrations in rivers of the Chesapeake Bay region: Am. Water Works Assoc. Jour., v. 56, no. 3, p. 280-286, Mar. 1964.
- 00838 **Odell, J. W.; Coffin, D. L.; Langford, R. H.** Water resources, *in* Mineral and water resources of Colorado: U.S. 88th Cong., 2d sess., Senate Comm. Interior and Insular Affairs Comm. Print, p. 233-283, 1964.
- Odoom, S.** See Lloyd, E. H. 00344
- 01267 **Ogata, Akio.** Mathematics of dispersion with linear adsorption isotherm: U.S. Geol. Survey Prof. Paper 411-H, p. H1-H9, Sept. 1964.
- 01969 **Ogata, Akio.** The spread of a dye stream in an isotropic granular medium: U.S. Geol. Survey Prof. Paper 411-G, p. G1-G11, Dec. 1964.
- 00557 **Ogilbee, William.** Ground water in the Sirte area, Tripolitania, United Kingdom of Libya: U.S. Geol. Survey Water-Supply Paper 1757-C, p. C1-C14, Feb. 1964.
- 00770 **Ogrofsky, H. O.** Hydrology of spillway design—small structures, limited data: Am. Soc. Civil Engineers Proc. Paper 3914, Hydraulics Div. Jour., v. 90, no. HY 3, p. 295-310, May 1964.
- 02071 **Ogrofsky, H. O.; Victor, Mockus.** Hydrology of agricultural lands, sec. 21, *in* Chow, V. T., ed., Handbook of applied hydrology: New York, McGraw-Hill, p. 21-1 to 21-97, 1964.
- 00270 **Ohio Division of Water.** Water inventory of the Little Miami River and Mill Creek basins: Ohio Div. Water Ohio Water Plan Inventory Rept. 18, 106 p., Jan. 1964.
- 00703 **Ohmstede, W. D.** Numerical solution of transient flow of water in unsaturated soil with applications to outflow from soil moisture extractors: Jour. Geophys. Research, v. 69, no. 4, p. 633-642, Feb. 15, 1964.
- 01229 **Olds, N. V.** Some legal problems affecting the Great Lakes, *in* Conference on Great Lakes Research, 7th, Toronto, Canada, 1964, Proceedings: Michigan Univ. Great Lakes Research Div. Pub. 11, p. 32-44, 1964.
- 01280 **Oliver, D. R.** A limnological investigation of a large Arctic lake, Ne'tilling Lake, Baffin Island: Arctic, v. 17, no. 2, p. 69-83, June 1964.
- 00140 **Olmsted, F. H.** Relation of percent sodium to source and movement of ground water, National Reactor Testing Station, Idaho, Art. 162 *in* Short papers in geology and hydrology: U.S. Geol. Survey Prof. Paper 475-D, p. D186-D188, Mar. 1964.
- 00278 **Olsen, S. R.** (and others). Effect of hexadecanol on evaporation of water and soil: Soil Sci., v. 97, no. 1, p. 13-18, Jan. 1964.

- 02109 **Olsen, Sigurd.** Phosphate equilibrium between reduced sediments and water—laboratory experiments with radioactive phosphorus: *Internat. Assoc. Theoretical and Appl. Limnology Proc.*, v. 15, pt. 1, p. 333–341, Feb. 1964.
- 00929 **Olson, G. T., II.** Preservation of reservoir sites: *North Carolina Univ. Center Urban Regional Studies, Regional Studies Mon. No. 1*, 82 p., 1964.
- 00573 **Oltman, R. E.** (and others). Amazon River investigations, reconnaissance measurements of July 1963: *U.S. Geol. Survey Circ. 486*, 15 p., Feb. 1964.
- 01543 **O'Neill, A. L.; Lyons, M. S.** Test grouting for Oroville Dam: *Eng. Geology*, v. 1, no. 1, p. 1–13, Jan. 1964.
- 01472 **Ongerth, H. J.** Watershed management and reservoir use—public health viewpoint: *Am. Water Works Assoc. Jour.*, v. 56, no. 2, p. 149–158, Feb. 1964.
- 01244 **Ordway, S. H., Jr.; Bowman, W. D.; Milton, John.** Research on natural resources—a review and commentary: *Nat. Resources Jour.*, v. 4, no. 1, p. 42–66, May 1964.
- 00469 **Ore, H. T.** Some criteria for recognition of braided stream deposits: *Wyoming Univ. Contr. Geology*, v. 3, no. 1, p. 1–14, Jan. 1964.
- 01846 **O'Rear, D. M.** Ground-water levels in Alabama in 1959 and 1960: *Alabama Geol. Survey Circ. 23*, 123 p., 1964.
- 00272 **Oregon Dept. Planning and Development.** Resources for development, Part 2—Natural resources, [section on] water: *Portland, Oregon Dept. Planning and Development*, p. 22–25, 1964.
- 01143 **Oregon State University.** (Water Resources Research Institute). Water resources planning and development, Spring Quarter 1964 Seminar, Corvallis, 1964 [*Proc.*]: 84 p., July 1964.
- 00273 **Oregon Water Resources Board.** Fifth biennial report: *Salem, Oregon Water Resources Board*, 33 p., June 1964.
- 03027 **Oregon Water Resources Board.** Oregon's water problems and future needs, *State Water Resources Conference, and Annual meeting, Willamette Basin Project Committee: Oregon Water Resources Board, Salem, Oreg., Dec. 10–11, 1964, Proc.*, p. [A]1–[A]115 and p. [B]1–[B]72, 1964.
- 00756 **Orlob, G. T.; Woods, P. C.** Lost River system—a water quality management study: *Am. Soc. Civil Engineers Proc. Paper 3815, Hydraulics Div. Jour.*, v. 90, no. HY 2, p. 1–22, Mar. 1964.
- 01526 **ORSANCO.** (Ohio River Valley Water Sanitation Commission). Sixteenth annual report, 1964: *Cincinnati, Ohio River Valley Water Sanitation Comm.*, 29 p., 1964.
- 01882 **Osborn, H. B.** Effect of storm duration on a runoff from rangeland watersheds in the semiarid Southwestern United States: *Internat. Assoc. Sci. Hydrology Bull.*, v. 9, no. 4, p. 40–47, Dec. 1964.
- 01015 **Osborn, J. F.** (and others). Soil wetability as a factor in erodibility: *Soil Sci. Soc. America Proc.*, v. 28, no. 2, p. 294–295, Mar.–Apr. 1964.
- 02105 **Osmond, J. K.** The distribution of the heavy radioelements in the rocks and waters of Florida, chap. 8, *in Adams, J. A. S., and Lowder, W. M., eds., The natural radiation environment: Houston, Tex., William Marsh Rice Univ.*, p. 153–159, 1964.
- 01298 **Oster, J. D.; Low, P. F.** Heat capacities of clay and clay-water mixtures: *Soil Sci. Soc. America Proc.*, v. 28, no. 5, p. 605–609, Sept.–Oct. 1964.

Osterberg, Charles. See Cutshall, Norman. 00627

- 01350 **Osterberg, Charles; Pattullo, June; Percy, William.** Zinc 65 in Euphausiids as related to Columbia River water off the Oregon coast: *Limnology and Oceanography*, v. 9, no. 2, p. 249-257, Apr. 1964.
- 01959 **Östlund, H. G.; Brown, R. M.; Bainbridge, A. E.** Standardization of natural tritium measurements: *Tellus*, v. 16, no. 1, p. 131-134, Feb. 1964.
- 00007 **Ostrem, Gunnar.** A method of measuring water discharge in turbulent streams: Canada Dept. Mines and Tech. Surveys Geog. Br. Geog. Bull. 21, p. 21-43, May 1964.
- 00009 **Ostrem, Gunnar.** Ice crystals from an ice-cored moraine on Baffin Island, N.W.T.: Canada Dept. Mines and Tech. Surveys Geog. Br. Geog. Bull. 22, p. 72-79, 1964.
- 00348 **Ostrem, Gunnar.** Glacio-hydrological investigations in Norway: *Jour. Hydrology [Amsterdam]*, v. 2, no. 2, p. 1-115, 1964.
- 01733 **Ostrowski, Stefan.** Effect of aquatic vegetation on water flow in a lowland river of sololdia type: *Internat. Assoc. Sci. Hydrology Pub.* 63, p. 383-388, 1964.
- 00513 **Otton, E. G.; Martin, R. O. R.; Durum, W. H.** Water resources of the Baltimore area, Maryland: U.S. Geol. Survey Water-Supply Paper 1499-F, p. F1-F105, Mar. 1964.
- Ouellette, Carole.** See Stewart, G. W. 02030
- Oulman, C. S.** See Baumann, E. R. 00061
- 00723 **Outmans, H. D.** Dupuit's formula generalized for heterogeneous aquifers: *Jour. Geophys. Research*, v. 69, no. 16, p. 3383-3386, Aug. 15, 1964.
- Overton, D. E.** See Holtan, H. N. 00117
- Overton, D. E.** See Holtan, H. N. 00359
- 03014 **Overton, D. E.** Mathematical refinement of an infiltration equation for watershed engineering: U.S. Dept. Agriculture [Pub.] ARS 41-99, 11 p., Dec. 1964.
- 00092 **Owen, E. W.** Petroleum in carbonate rocks: *Am. Assoc. Petroleum Geologists Bull.*, v. 48, no. 10, p. 1727-1730, Oct. 1964.
- Owens, E. L.** See Blosser, R. O. 01415
- Ownbey, C. R.** See Kehr, W. Q. 00965
- 00886 **Pafford, R. J., Jr.** Report of the Bureau of Reclamation, Region 2, U.S. Department of the Interior, in Nevada Water Conference, 18th, Carson City, 1964, Proceedings: Carson City, Nevada Dept. Conserv. and Nat. Resources, p. 68-73, 1964.
- 00564 **Page, L. V.; Preé, H. L., Jr.** Water resources of De Soto Parish, Louisiana: U.S. Geol. Survey Water-Supply Paper 1774, 152 p., 1964. [Jan. 1965.]
- 01135 **Page, L. V.; My, H. G.** Water resources of Bossier and Caddo Parishes, Louisiana: Louisiana Dept. Conserv. Geol. Survey, and Louisiana Dept. Public Works Water Resources Bull. 5, 105 p., Oct. 1964.
- 01416 **Palin, A. T.** Simple, interference-free determination of fluoride in water: *Water and Sewage Works*, v. 111, no. 10, p. 461-464, Oct. 1964.

- 00118 **Palmer, D. B.; Johnson, H. P.** Runoff prediction from point rainfall data by application of the digital computer: *Am. Soc. Agr. Engineers Trans. (Gen. Ed.)*, v. 7, no. 4, p. 424-426, Dec. 1964.
- 00321 **Palmer, R. S.** The influence of a thin water layer on waterdrop impact forces: *Internat. Assoc. Sci. Hydrology Pub.* 65, p. 141-148, 1964.
- 00199 **Palmer, W. I.** Water in Nevada's past, present, and future development, *in* Nevada Water Conference, 18th, Carson City, 1964, Proceedings: Carson City, Nevada Dept. Conserv. and Nat. Resources, p. 16-24, 1964.
- Palmquist, W. N., Jr.** See **Sammel, E. A.** 01966
- 02144 **Panero, G. B.** Cost effectiveness of water wells: Washington, D.C., U.S. Office Civil Defense Contract No. OCD-OS-63-113, Subtask 1152-F, Final Rept., sec. pagination, Sept. 1964.
- 01581 **Panitz, Eric.** Physical, chemical, and biological data illustrating a stream classification system: *Kentucky Acad. Sci. Trans.*, v. 25, no. 1-2, p. 58-64, 1964.
- 01077 **Paquet, R.** Mineral waters of Quebec: *Canadian Mining and Metall. Bull.*, v. 57, no. 629, p. 939-944, Sept. 1964.
- Parizek, R. R.** See **Lattman, L. H.** 01353
- 00813 **Park, Kilho.** Electrolytic conductance of sea water—effect of calcium carbonate dissolution: *Science*, v. 146, no. 3640, p. 56-57, Oct. 1964.
- 01093 **Park, Kilho.** Partial equivalent conductance of electrolytes in sea water: *Deep-Sea Research*, v. 11, no. 5, p. 729-736, 1964.
- 01094 **Park, Kilho; Catalfomo, Magdalena.** Gas chromatographic determination of dissolved oxygen in sea water using argon as carrier gas: *Deep-Sea Research*, v. 11, no. 6, p. 917-920, Dec. 1964.
- 00495 **Parker, F. H.** Flood damage abatement in Kentucky: *Kentucky Dept. Commerce, Div. Planning*, 134 p., Oct. 1964.
- 00432 **Parker, F. L.** Contaminant movement in the Clinch River, *in* Krenkel, P. A., ed., *Sanitary and Water Resources Engineering Conference*, 3d, Nashville, Tennessee, 1964, Proceedings: Nashville, Vanderbilt Univ., Dept. Civil Eng., p. 78-87, 1964.
- 01950 **Parker, F. L.** Radioactive waste disposal, part 1 of Oak Ridge National Laboratory, Health Physics Division annual progress report for period ending July 31, 1964: *U.S. Natl. Lab., Oak Ridge, Tenn. [Pub.] ORNL-3697*, p. 3-61, Oct. 1964.
- 00131 **Parker, G. G.** (and others). Water resources of the Delaware River basin: *U.S. Geol. Survey Prof. Paper* 381, 200 p., 1964. [Mar. 1965.]
- 00319 **Parker, G. G.** Piping, a geomorphic agent in landform development of the drylands: *Internat. Assoc. Sci. Hydrology Pub.* 65, p. 103-113, 1964.
- 01320 **Parker, G. G.; Shown, L. M.; Ratzlaff, K. W.** Officer's Cave, a pseudokarst feature in altered tuff and volcanic ash of the John Day formation in eastern Oregon: *Geol. Soc. America Bull.*, v. 75, no. 5, p. 393-402, May 1964.
- 01535 **Parkhurst, J. D.** Waste water reclamation, Los Angeles County, *in* Water development, utilization, conservation: *Western Resources Conf.*, 5th, Colorado State Univ., 1963, *Western Resources Papers*, Boulder, Univ. Colorado Press, p. 61-67, 1964.
- 01856 **Parkhurst, J. D.; Garrison, W. E.** Whittier Narrows water reclamation plant: *Civil Eng.*, v. 34, no. 9, p. 60-63, Sept. 1964.

- 01151 **Parson, R. L.** Conserving American resources, second edition: Englewood Cliffs, N. J., Prentice-Hall, 521 p., 1964.
- 01359 **Parsons, D. A.; Apmann, R. P.; Decker, G. H.** The determination of sediment yields from flood water sampling: Internat. Assoc. Sci. Hydrology Pub. 65, p. 7-15, 1964.
- 01304 **Parsons, J. D.** Comparative limnology of strip-mine lakes: Internat. Assoc. Theoretical and Appl. Limnology Proc., v. 15, pt. 1, p. 293-298, Feb. 1964.
- 00477 **Passega, R.** Grain size representation by CM patterns as a geological tool: Jour. Sed. Petrology, v. 34, no. 4, p. 830-847, Dec. 1964.
- 01288 **Patalas, Kaimierz.** The Crustacean plankton communities in 52 lakes of different altitudinal zones of northern Colorado: Internat. Assoc. Theoretical and Appl. Limnology Proc., v. 15, pt. 2, p. 719-726, Feb. 1964.
- 00978 **Patchick, P. F.** Springs of the Argus Mountains, California, and their use in a desert community: Internat. Assoc. Sci. Hydrology Bull., v. 9, no. 3, p. 46-55, Sept. 1964.
- 01208 **Patterson, J. L.** Magnitude and frequency of floods in the United States, Part 7 — Lower Mississippi River basin: U.S. Geol. Survey Water-Supply Paper 1681, 636 p., Jan. 1964.
- 01356 **Patterson, W. S. B.** Variations in velocity of Athabasca Glacier with time: Jour. Glaciology, v. 5, no. 39, p. 277-285, Oct. 1964.
- Pattullo, June.** See Osterberg, Charles. 01350
- 00907 **Paulson, Q. F.** North Dakota's ground-water resources, in The mineral resources of North Dakota: North Dakota Econ. Devel. Comm. Conf., Univ. North Dakota, Grand Forks, Jan. 28-29, 1964, Papers, p. 53-59, 1964.
- 01119 **Paulson, Q. F.; Akin, P. D.** Ground-water resources of the Devils Lake area, Benson, Ramsey, and Eddy Counties, North Dakota: North Dakota Water Conserv. Comm. North Dakota Ground-Water Studies 56, 211 p., 1964.
- 01980 **Paulson, Q. F.** Geologic factors affecting discharge of the Sheyenne River in southeastern North Dakota, in Geological Survey Research 1964, Chapter D: U.S. Geol. Survey Prof. Paper 501-D, p. D177-D181, 1964. [Feb. 1965.]
- Pauszek, F. H.** See Halberg, H. N. 00512
- Pauszek, F. H.** See Mack, F. K. 01358
- 01117 **Peace, R. R., Jr.** Geology and ground-water resources at Tanglewood Park, Clemmons, North Carolina: North Carolina Div. Ground Water Ground-Water Circ. 4, 21 p., 1964.
- 02235 **Peace, R. R., Jr.** Geology and ground-water resources of the Russellville area, Alabama: Alabama Geol. Survey Bull. 77, 83 p., 1964.
- 00887 **Peacock, E. G.** Report of the Corps of Engineers, U.S. Army Engineer District, Los Angeles, in Nevada Water Conference, 18th, Carson City, 1964, Proceedings: Carson City, Nevada Dept. Conserv. and Nat. Resources, p. 78-83, 1964.
- 01794 **Pealy, R. H.** Organization for comprehensive river basin planning—the Texas and Southeast experiences: Michigan Univ., Michigan Govt. Studies 46, 168 p., 1964.
- Pearcy, William.** See Osterberg, Charles. 01350
- Pearson, C. A.** See Collins, A. G. 00413

- Pearson, C. A.** See Hawkins, M. E. 01947
- 02097 **Pearson, E. A.** (editor). Advances in water pollution research—Proceedings of the International Conference on Water Pollution Research, 1st, London, England, September 1962, volume 3: New York, Macmillan, 437 p., 1964.
- Pearson, G. L.** See Chadwick, D. G. 00897
- Peck, A. J.** See Youngs, E. G. 00298
- 00954 **Peck, E. L.** The little used third dimension: Western Snow Conf., 32d, Nelson, British Columbia, 1964, Proc., p. 33–40, 1964.
- Peck, E. L.** See Hely, A. G. 01305
- Peck, H. M.** See Nelson, P. F. 01115
- 01847 **Peirce, L. B.** Reservoir temperatures in north-central Alabama: Alabama Geol. Survey Bull. 82, 103 p., 1964.
- 00982 **Pelton, W. L.** Evaporation from atmometers and pans: Canadian Jour. Plant Sci., v. 44, no. 5, p. 397–404, Sept. 1964.
- 00762 **Pemberton, E. L.** Sediment investigations—middle Rio Grande: Am. Soc. Civil Engineers Proc. Paper 3833, Hydraulics Div. Jour., v. 90, no. HY 2, p. 163–185, Mar. 1964.
- 00445 **Pendleton, R. C.** (and others). Radium contamination at the Jordan River Delta of the Great Salt Lake: Water Pollution Control Federation Jour., v. 36, no. 7, p. 925–927, July 1964.
- 00885 **Penny, J. R.** Report of the Bureau of Land Management, U.S. Department of the Interior, in Nevada Water Conference, 18th, Carson City, 1964, Proceedings: Carson City, Nevada Dept. Conserv. and Nat. Resources, p. 66–67, 1964.
- Perkins, R. W.** See Nelson, J. L. 00411
- 00163 **Perlmutter, N. M.; Lieber, Maxim; Frauenthal, H. L.** Contamination of ground water by detergents in a suburban environment—South Farmingdale area, Long Island, New York, in Geological Survey Research 1964, Chapter C: U.S. Geol. Survey Prof. Paper 501-C, p. C170–C175, Oct. 1964.
- Perlmutter, N. M.** See Lieber, Maxim. 01803
- 00414 **Peterka, A. J.** Hydraulic design of stilling basins and energy dissipators (July 1963 revision): U.S. Bur. Reclamation Eng. Mon. 25, 222 p., 1964.
- Peters, D. B.** See Kunze, R. J. 00304
- 01036 **Petersen, M. S.** Hydraulic aspects of Arkansas River stabilization: Am. Soc. Civil Engineers Proc. Paper 3699, Waterways and Harbors Div. Jour., v. 89, no. WW 4, p. 29–65, Nov. 1963.
- 00639 **Peterson, J. B.** The relation of soil fertility to soil erosion: Jour. Soil and Water Conserv., v. 19, no. 1, p. 15–19, Jan.–Feb. 1964.
- 00516 **Petri, L. R.; Lane, C. W.; Furness, L. W.** Water resources of the Wichita area, Kansas: U.S. Geol. Survey Water-Supply Paper 1499-I, p. I 1–I 69, May 1964.
- Petri, L. R.** See Jordan, P. R. 00533
- Petri, L. R.** See Powell, J. E. 00839
- Petri, L. R.** See Smith, R. O. 02011

- 00322 **Petrlik, Jaroslav.** Methods of determining the surface distribution of excessive rainfalls: *Internat. Assoc. Sci. Hydrology Pub.* 65, p. 303-308, 1964.
- 01508 **Petterssen, Sverre.** Meteorology, sec. 3, *in* Chow, V. T., ed., *Handbook of applied hydrology*: New York, McGraw-Hill, p. 3-1 to 3-39, 1964.
- 02236 **Petterssen, Sverre.** Meteorological problems—weather modification and long-range forecasting: *Am. Meteorol. Soc. Bull.*, v. 45, no. 1, p. 2-6, Jan. 1964.
- 01839 **Pewe, T. L.** (and others). Symposium on interdisciplinary research, Yukon Flats watershed, *in* Dahlgren, George, ed., *Science in Alaska, 1963*: *Am. Assoc. Adv. Sci. Alaskan Sci. Conf.*, 14th, Anchorage, 1963, Proc., p. 247-314, Jan. 1964.
- Pfeiffer, D.** See Flathe, H. 00316
- Pfister, R. M.** See Dugan, P. R. 00625
- 00983 **Phibbs, E. J., Jr.** Chemical and physical character of surface waters of North Carolina, 1961-62: *North Carolina Div. Stream Sanitation and Hydrology Bull.* 1, v. 6, 218 p., 1964.
- 00989 **Phibbs, E. J., Jr.; Midgett, M. R.** Chemical and physical character of surface waters of North Carolina, 1960-61: *North Carolina Div. Stream Sanitation and Hydrology Bull.* 1, v. 5, 192 p., 1963.
- 00013 **Philbrick, A. K.** The nodal water region of North America: *Canadian Geographer*, v. 8, no. 4, p. 182-187, 1964.
- 00702 **Philip, J. R.; Farrell, D. A.** General solution of the infiltration-advance problem in irrigation hydraulics: *Jour. Geophys. Research*, v. 69, no. 4, p. 621-631, Feb. 15, 1964.
- 00710 **Philip, J. R.** Similarity hypothesis for capillary hysteresis in porous materials: *Jour. Geophys. Research*, v. 69, no. 8, p. 1553-1562, Apr. 15, 1964.
- 01052 **Phlaum, R. T.** (and others). 2,3,5,6-Tetrakis-(2'-pyridyl)-pyrazine as a colorimetric reagent for iron: *Anal. Chim. Acta*, v. 31, no. 4, p. 341-347, Oct. 1964.
- Picciotto, E.** See Crozaz, G. 00719
- 02054 **Pickard, G. L.** Descriptive physical oceanography, an introduction: New York, Macmillan, 199 p., 1964.
- 01953 **Pickard, R. C.** Water resources development, present and future pollution control aspects—the role of the State, *in* Krenkel, P. A., ed., *Sanitary and Water Resources Engineering Conference*, 3d, Nashville, Tennessee, 1964, *Proceedings*: Nashville, Vanderbilt Univ., Dept. Civil Eng., p. 40-45, 1964.
- Pierce, R. S.** See Reinhart, K. G. 00842
- 00320 **Piest, R. F.** Long-term sediment yields from small watersheds: *Internat. Assoc. Sci. Hydrology Pub.* 65, p. 121-140, 1964.
- Pietka, Z.** See Lambor, J. 02233
- 00349 **Pike, J. G.** The estimation of annual runoff from meteorological data in a tropical climate: *Jour. Hydrology [Amsterdam]*, v. 2, no. 2, p. 116-123, 1964.
- 01051 **Pike, LeRoy; Yoe, J. H.** Spectrophotometric determination of manganese with N,N,N',N'-tetrakis(2-hydroxypropyl)ethylene-diamine: *Anal. Chim. Acta*, v. 31, no. 4, p. 318-324, Oct. 1964.
- 01038 **Pincus, H. J.** Retreat of lakeshore bluffs: *Am. Soc. Civil Engineers Proc. Paper* 3809, *Waterways and Harbors Div. Jour.*, v. 90, no. WW 1, p. 115-134, Feb. 1964.

- 00870 **Pinkerton, K. C.** Water needs and planning in northern Arizona, in *Wealth from watersheds: Arizona Watershed Symposium, 8th, Tempe, 1964, Proc.*, p. 20-22, 1964.
- 03008 **Pirson, S. J.** Projective well log interpretation: *South Texas Geol. Soc. Bull.*, v. 4, no. 1, p. 6-18, 20, Jan. 1964.
- 00856 **Pistrang, M. A.; Kunkel, Fred.** A brief geologic and hydrologic reconnaissance of the Furnace Creek Wash area, Death Valley National Monument, California: *U.S. Geol. Survey Water-Supply Paper 1779-Y*, p. Y1-Y35, Nov. 1964.
- 00713 **Platzman, G. W.; Rao, D. B.** Spectra of Lake Erie water levels: *Jour. Geophys. Research*, v. 69, no. 12, p. 2525-2535, June 15, 1964.
- 00560 **Pluhowski, E. J.; Kantrowitz, I. H.** Hydrology of the Babylon-Isip area, Suffolk County, Long Island, New York: *U.S. Geol. Survey Water-Supply Paper 1768*, 119 p., Aug. 1964.
- Poeder, B. C.** See den Boef, G. 01906
- 00019 **Pohjakas, K.** A technique for maintaining water tables in field studies: *Canadian Jour. Soil Sci.*, v. 44, no. 1, p. 158-159, Feb. 1964.
- 01738 **Pollard, F. H.; Nickless, G.; Spincer, D.** Quantitative inorganic chromatography. Part 11—The chromatographic separation and automatic flame spectrophotometric determination of the alkaline earth metals using α -hydroxyisobutyric acid: *Jour. Chromatography*, v. 13, no. 1, p. 224-231, Jan. 1964.
- 03016 **Pollock, S. J.; Fleck, W. B.** Assabet River basin: *U.S. Geol. Survey Massachusetts Basic-Data Rept. 8, Ground-Water Ser.*, 45 p., 1964.
- Polzer, W. L.** See Feth, J. H. 02123
- 01273 **Popov, E. G.** Long-term river flow forecasting in the low-water period: *Internat. Assoc. Sci. Hydrology Pub.* 63, p. 63-67, 1964.
- Popov, O. V.** See Koudelin, B. I. 00378
- Porges, Ralph.** See Mackenthun, K. M. 00422
- 00451 **Porges, Ralph.** Dissolved oxygen determinations for field surveys: *Water Pollution Control Federation Jour.*, v. 36, no. 10, p. 1247-1255, Oct. 1964.
- Porter, L. K.** See Kemper, W. D. 01366
- 00532 **Porterfield, George; Dunnan, C. A.** Sedimentation of Lake Pillsbury, Lake County, California: *U.S. Geol. Survey Water-Supply Paper 1619-EE*, p. EE1-EE46, Feb. 1964.
- 00839 **Powell, J. E.; Wagar, J. E.; Petri, L. R.** Water resources, in *Mineral and water resources of South Dakota: U.S. 88th Cong., 2d sess., Senate Comm. Interior and Insular Affairs Comm. Print*, p. 161-212, 1964.
- 01599 **Powell, R. L.** Origin of the Mitchell Plain in south-central Indiana: *Indiana Acad. Sci. Proc.*, v. 73, p. 177-182, 1964.
- 02055 **Powell, S. T.** Quality of water, sec. 19, in *Chow, V. T., ed., Handbook of applied hydrology*: New York, McGraw-Hill, p. 19-1 to 19-37, 1964.
- 02056 **Powell, W. J.; Duncan, A. C.** Water-level fluctuations and chemical quality of ground water in Alabama: *Alabama Geol. Survey Map 29*, one sheet, 1964.
- 00879 **Power, B. A.** The relationship between snowfall density and meteorological conditions: *Eastern Snow Conf.*, 21st, Utica, N. Y., 1964, *Proc.*, p. 39-44, 1964.

- 01563 **Power, B. A.; Summers, P. W.; d'Avignon, J.** Snow crystal forms and riming effects as related to snowfall density and general snow conditions: *Jour. Atmos. Sci.*, v. 21, no. 3, p. 300-305, May 1964.
- Pratt, P. F.** *See* Martin, J. P. 01158
- Pr  , H. L., Jr.** *See* Page, L. V. 00564
- 01068 **Prendiville, P. W.** Merrimack River pollution abatement study: *Boston Soc. Civil Engineers Jour.*, v. 51, no. 4, p. 316-328, Oct. 1964.
- 03026 **Prescott, G. C., Jr.** Lower Penobscot River basin area [Maine]—records of selected wells, springs, and test borings: *U.S. Geol. Survey Maine Basic-Data Rept. 2, Ground-Water Ser.*, 40 p., 1964.
- Price, Don.** *See* Marine, I. W. 00847
- 02104 **Price, P. H.** Ground water: *West Virginia Geol. and Econ. Survey Ann. Rept.* 1964, p. 30-36, June 1964.
- Price, R. W.** *See* Haus, J. B. 01059
- 00605 **Price, W. E., Jr.** Geology and hydrology of alluvial deposits along the Ohio River between southwestern Louisville and West Point, Kentucky: *U.S. Geol. Survey Hydrol. Inv. Atlas HA-111*, two sheets, Oct. 1964.
- 00619 **Price, W. E., Jr.** Geology and hydrology of alluvial deposits along the Ohio River between Prospect and southwestern Louisville, Kentucky: *U.S. Geol. Survey Hydrol. Inv. Atlas HA-130*, two sheets, Sept. 1964.
- 01194 **Price, W. E., Jr.** Geology and hydrology of alluvial deposits along the Ohio River between Catlettsburg and South Portsmouth, Kentucky: *U.S. Geol. Survey Hydrol. Inv. Atlas HA-75*, 2 sheets, July 1964.
- 01195 **Price, W. E., Jr.** Geology and hydrology of alluvial deposits along the Ohio River between the Manchester Islands and Silver Grove, Kentucky: *U.S. Geol. Survey Hydrol. Inv. Atlas HA-94*, 2 sheets, Mar. 1964.
- 01197 **Price, W. E., Jr.** Geology and hydrology of alluvial deposits along the Ohio River between Newport and Warsaw, Kentucky: *U.S. Geol. Survey Hydrol. Inv. Atlas HA-98*, 2 sheets, Apr. 1964.
- 01434 **Price, W. E., Jr.** Geology and hydrology of alluvial deposits along the Ohio River between Ethridge and the Twelvemile Island, Kentucky: *U.S. Geol. Survey Hydrol. Inv. Atlas HA-97*, 2 sheets, Apr. 1964.
- 01609 **Prickett, T. A.** (and others). Ground-water development in several areas of northeastern Illinois: *Illinois Water Survey Rept. Inv. 47*, 93 p., 1964.
- 02173 **Prophet, C. W.** Some limnological features of Lyon County Kansas State Lake, during reflooding: *Kansas Acad. Sci. Trans.*, v. 67, no. 4, p. 676-685, Winter 1964.
- 00114 **Pruitt, W. O.** Cyclic relations between evapotranspiration and radiation: *Am. Soc. Agr. Engineers Trans. (Gen. Ed.)*, v. 7, no. 3, p. 271-275, 280, Nov. 1964.
- 02057 **Purdue University.** (and Indiana State Board of Health). Industrial Waste Conference, 18th, Lafayette, Indiana, April 30, May 1 and 2, 1963, Proceedings: *Purdue Univ. Eng. Ext. Ser. 115*, 774 p., 1964. (Also listed as *Purdue Univ. Eng. Bull.*, v. 48, no. 3, May 1964.)
- Putnam, A. A.** *See* Flanigan, L. J. 01066
- 01381 **Pyatt, E. E.** On determining pollutant distribution in tidal estuaries: *U.S. Geol. Survey Water-Supply Paper 1586-F*, p. F1-F56, Oct. 1964.

- 00745 **Pye, D. J.** Improved secondary recovery by control of water mobility: *Jour. Petroleum Technology*, v. 16, no. 8, p. 911-916, Aug. 1964.
- 01374 **Quinn, F. H.** Stage-fall discharge equations for the connecting channels of the Great Lakes, in *Conference on Great Lakes Research*, 7th, Toronto, Canada, 1964, *Proceedings: Michigan Univ. Great Lakes Research Div. Pub.* 11, p. 267-282, 1964.
- Qureshi, M. A.** See **Blench, Thomas**. 00760
- 00802 **Raby, Stewart.** Alberta and the Prairie Provinces Water Board: *Canadian Geographer*, v. 8, no. 2, p. 85-91, 1964.
- 01692 **Rachford, H. H., Jr.** Instability in water flooding oil from water-wet porous media containing connate water: *Soc. Petroleum Engineers Jour.*, v. 4, no. 2, p. 133-148, June 1964.
- 01003 **Ragotzkie, R. A.; Likens, G. E.** The heat balance of two Antarctic lakes: *Limnology and Oceanography*, v. 9, no. 3, p. 412-425, July 1964.
- 00211 **Rainwater, Frank.** Pollution—its geological aspects: *Geotimes*, v. 9, no. 4, p. 12-13, Nov. 1964.
- 00761 **Rajaratnam, N.; Muralidhar, D.** End depth for circular channels: *Am. Soc. Civil Engineers Proc. Paper* 3828, *Hydraulics Div. Jour.*, v. 90, no. HY 2, p. 99-119, Mar. 1964.
- 00917 **Rallison, R. E.** Effect of changes in watershed condition upon flood flows from small watershed areas: *Soc. Am. Foresters and Oregon State Univ. School of Forestry, Forest Watershed Management Symposium, Corvallis, Oreg., 1963, Proc.*, p. 103-126, 1963.
- 01343 **Rambow, C. A.** Pollution study of a future tidal estuary: *Water Pollution Control Federation Jour.*, v. 36, no. 4, p. 520-528, Apr. 1964.
- Rand, M. C.** See **Jackson, D. F.** 01230
- 00536 **Randall, A. D.** Geology and ground water in the Farmington-Granby area, Connecticut: *U.S. Geol. Survey Water-Supply Paper* 1661, 129 p., May 1964.
- 01855 **Randall, A. D.** Records and logs of selected wells and test borings, records of springs, and chemical analyses of water in the Farmington-Granby area, Connecticut: *Connecticut Water Resources Comm. Connecticut Water Resources Bull.* 3, 25 p., 1964.
- 01412 **Randall, D. J.** Reclamation of process water: *Water and Sewage Works*, v. 111, no. 9, p. 414-416, Sept. 1964.
- Rantz, S. E.** See **Harris, E. E.** 00522
- 01212 **Rantz, S. E.** Surface-water hydrology of coastal basins of northern California: *U.S. Geol. Survey Water-Supply Paper* 1758, 77 p., June 1964.
- 01214 **Rantz, S. E.** Snowmelt hydrology of a Sierra Nevada stream: *U.S. Geol. Survey Water-Supply Paper* 1779-R, p. R1-R36, Mar. 1964.
- 01215 **Rantz, S. E.** Stream hydrology related to the optimum discharge for king salmon spawning in the northern California coast ranges: *U.S. Geol. Survey Water-Supply Paper* 1779-AA, p. AA1-AA16, July 1964.
- Rantz, S. E.** See **Hoffman, Walter**. 02070
- Rao, B. S.** See **Subrahmanyam, V. P.** 00329
- Rao, D. B.** See **Platzman, G. W.** 00713

- 01056 **Rao, D. S.** (and others). Constant-potential amperometric technique for the successive complexometric determination of calcium and magnesium: *Analyst*, v. 89, no. 1062, p. 608-612, Sept. 1964.
- 00375 **Rasmussen, W. C.** Permeability and storage of heterogeneous aquifers in the United States: *Internat. Assoc. Sci. Hydrology Pub.* 64, p. 317-325, 1964.
- 02103 **Rasmussen, W. C.** Infiltration velocities at Sedan and Scooter craters—Project Sedan, PNE-221F, Nevada Test Site, July 6, 1962: Denver, Colo., U.S. Geol. Survey, 41 p., Sept. 1963. (Available from U.S. Department of Commerce, Office of Technical Services, Washington, D.C.)
- Ratcliff, G. A.** See Kilner, A. A. 01649
- Ratzlaff, K. W.** See Parker, G. G. 01320
- Rauh, C. L.** See White, N. D. 00972
- 01925 **Raushenbush, Stephen.** Water challenge of the Pacific Southwest: *Natl. Parks Mag.*, v. 38, no. 201, p. 4-7, June 1964.
- Rawson, D. E.** See Knox, J. B. 03012
- Ray, H. A.** See Young, L. E. 00154
- 00151 **Ray, L. L.** The Charleston, Missouri, alluvial fan, in *Geological Survey Research 1964*, Chapter B: U.S. Geol. Survey Prof. Paper 501-B, p. B130-B134, June 1964.
- 02237 **Rea, Lloyd.** Local participation in water development, in *Oregon's water problems and future needs*, State Water Resources Conference: Oregon Water Resources Board, Salem, Oreg., 1964, Proc., p. [A]61-[A]66, 1964.
- 00634 **Reckmeyer, Verne.** Radioactive backgrounds in Hughes Cave, Alabama: *Speleo Digest* 1962, p. 2-108—2-114, Apr. 1964.
- Reddell, D. L.** See Miller, W. D. 00095
- 01226 **Reeburgh, W. S.; Carpenter, J. H.** Determination of chlorinity using a differential potentiometric end point: *Limnology and Oceanography*, v. 9, no. 4, p. 589-591, Oct. 1964.
- 00159 **Reed, J. C., Jr.** Recent retreat of the Teton Glacier, Grand Teton National Park, Wyoming, in *Geological Survey Research 1964*, Chapter C: U.S. Geol. Survey Prof. Paper 501-C, p. C147-C151, Oct. 1964.
- Reed, J. E.** See Halberg, H. N. 00859
- Reed, J. E.** See Bedinger, M. S. 01971
- 00161 **Reeder, H. O.** Tritium content as an indicator of age and movement of ground water in the Roswell basin, New Mexico, in *Geological Survey Research 1964*, Chapter C: U.S. Geol. Survey Prof. Paper 501-C, p. C161-C163, Oct. 1964.
- 01338 **Reeder, H. O.** Tritium used as a ground-water tracer between Lake McMillan and Major Johnson Springs, Eddy County, New Mexico, with a section on Laboratory aspects of tracer selection and tritium detection, by L. L. Thatcher: U.S. Geol. Survey Rept. TEI-839, 111 p., June 1963.
- Reeve, R. C.** See Doering, E. J. 00289
- Reeve, R. C.** See McNeal, B. L. 01162
- Reeves, R. D.** See Welder, F. A. 00521

- 01163 **Reginato, R. J.; Van Bavel, C. H. M.** Soil water measurement with gamma attenuation: *Soil Sci. Soc. America Proc.*, v. 28, no. 6, p. 721-724, Nov.-Dec. 1964.
- 01396 **Reichert, S. O.; Fenimore, J. W.** Lithology and hydrology of radioactive waste-disposal sites, Savannah River plant, South Carolina: *Geol. Soc. America Eng. Geology Case Histories* 5, p. 53-69, 1964.
- 00942 **Reid, G. K.** Oxygen depletion in a Florida lake: *Florida Acad. Sci. Quart. Jour.*, v. 27, no. 2, p. 120-126, June 1964.
- Reinhart, K. G.** See Hornbeck, J. W. 00641
- 00842 **Reinhart, K. G.; Pierce, R. S.** Stream-gaging stations for research on small watersheds: *U.S. Dept. Agriculture, Agriculture Handb.* 268, 37 p., May 1964.
- 01155 **Reinhart, K. G.** Approximating soil-moisture storage in experimental watersheds by means of precipitation and streamflow records: *Soil Sci. Soc. America Proc.*, v. 28, no. 4, p. 575-578, July-Aug. 1964.
- 01770 **Reinhart, K. G.** Effect of a commercial clearcutting in West Virginia on overland flow and storm runoff: *Jour. Forestry*, v. 62, no. 3, p. 167-171, Mar. 1964.
- Reiniger, P.** See Rubin, J. 01297
- 00358 **Reisman, A.** On a systematic approach to the analysis and synthesis of complex systems involving unsteady flow of fluids: *Jour. Hydrology [Amsterdam]*, v. 2, no. 4, p. 291-308, 1964. [Apr. 1965.]
- 02238 **Renard, K. G.** (and others). Performance of local aquifers as influenced by riparian vegetation: *Am. Soc. Agr. Engineers Trans. (Gen. Ed.)*, v. 7, no. 4, p. 471-474, Dec. 1964.
- Render, F. W.** See Scott, J. S. 00357
- Renn, C. E.** See O'Connor, J. T. 01868
- Renn, C. E.** See O'Connor, J. T. 02234
- 00688 **Rennerfelt, J. G. W.** An analog computer for oxygen sag calculations, in Southgate, B. A., ed., *Advances in water pollution research*, Internat. Water Pollution Research Conf., 1st, London, 1962, Proc., v. 1: New York, Macmillan, p. 79-87, 1964.
- Resig, J. M.** See Bandy, O. L. 01819
- Resig, J. M.** See Bandy, O. L. 01894
- Resnick, S. D.** See Cluff, C. B. 02189
- 00934 **Resources for the Future.** Neglected alternatives to flood plain protection: *Resources for Future Ann. Rept.* 1963-1964, p. 15-24, Dec. 1964.
- 02025 **Resources for the Future.** Water resources—the year's work in review: *Resources for Future Ann. Rept.* 1963-1964, p. 42-52, Dec. 1964.
- 00168 **Rettig, S. L.; Jones, B. F.** Determination of carbonate, bicarbonate, and total CO₂ in carbonate brines, in *Geological Survey Research* 1964, Chapter D: U.S. Geol. Survey Prof. Paper 501-D, p. D134-D137, 1964. [Feb. 1965.]
- 00751 **Rhoades, E. D.** (and others). Water intake on a sandy range as affected by 20 years of differential cattle stocking rates: *Jour. Range Management*, v. 17, no. 4, p. 185-190, July 1964.
- Rhoades, E. D.** See Gamble, M. D. 01457

- 02239 **Richard, James.** Water well industry concerned over "model law": *Water Well Jour.*, v. 18, no. 4, p. 6, Apr. 1964.
- 00300 **Richards, L. A.; Low, P. F.; Decker, D. L.** Pressure dependence of the relative vapor pressure of water in soil: *Soil Sci. Soc. America Proc.*, v. 28, no. 1, p. 5-8, Jan.-Feb. 1964.
- Richards, M. M.** *See* Nordenson, T. J. 01519
- Richards, S. J.** *See* Martin, J. P. 01158
- 00996 **Richards, T. L.; Rodgers, G. K.** An investigation of the extremes of annual and monthly evaporation from Lake Ontario, *in* Conference on Great Lakes Research, 7th, Toronto, Canada, 1964, Proceedings: Michigan Univ. Great Lakes Research Div. Pub. 11, p. 283-293, 1964.
- 01138 **Richards, T. L.** The meteorological aspects of ice cover on the Great Lakes: *Monthly Weather Rev.*, v. 92, no. 6, p. 297-302, June 1964.
- Richards, T. L.** *See* Munn, R. E. 01375
- 01552 **Richards, T. L.** Recent developments in the field of Great Lakes evaporation: *Internat. Assoc. Theoretical and Appl. Limnology Proc.*, v. 15, pt. 1, p. 247-256, Feb. 1964.
- Richardson, E. V.** *See* Harris, D. D. 00511
- Richardson, E. V.** *See* Stepanich, F. C. 01039
- 02240 **Richen, C. W.** Land management and Oregon's water problems, *in* Oregon's water problems and future needs, State Water Resources Conference: Oregon Water Resources Board, Salem, Oreg., 1964, Proc., p. [A]11-[A]19, 1964.
- Richter, H. G.** *See* Gillespie, A. S., Jr. 01651
- Riddle, G. A.** *See* Anderson, W. L. 00749
- 00155 **Riggs, H. C.** The relation of discharge to drainage area in the Rappahannock River basin, Virginia, *in* Geological Survey Research 1964, Chapter B: U.S. Geol. Survey Prof. Paper 501-B, p. B165-B168, June 1964.
- 00165 **Riggs, H. C.** Stream discharge regressions using precipitation, *in* Geological Survey Research 1964, Chapter C: U.S. Geol. Survey Prof. Paper 501-C, p. C185-C187, Oct. 1964.
- 00969 **Riggs, H. C.** The base-flow recession curve as an indicator of ground water: *Internat. Assoc. Sci. Hydrology Pub.* 63, p. 352-363, 1964.
- 01091 **Riley, J. P.; Tongudai, M.** The lithium content of sea water: *Deep-Sea Research*, v. 11, no. 4, p. 563-568, Aug. 1964.
- 00894 **Rima, D. R.; Coskery, O. J.; Anderson, P. W.** Ground-water resources of southern New Castle County, Delaware: U.S. Geol. Survey Water-Supply Paper 1756, 54 p., Jan. 1964. (Also issued as Delaware Geol. Survey Bull. 11.)
- 01524 **Rio Grande Compact Commission.** Report of the Rio Grande Compact Commission, 1963, to the Governors of Colorado, New Mexico, and Texas: Santa Fe, N. Mex., Rio Grande Compact Comm., 52 p., Feb. 1964.
- Ritson, E. B.** *See* Mauchline, John. 01571
- 02241 **Rittenhouse, Gordon.** Discussion of "Possible mechanism for concentration of brines in subsurface formations," by J. D. Bredehoeft and others (*Am. Assoc. Petroleum Geologists Bull.*, v. 47, no. 2, p. 257-269, Feb. 1963): *Am. Assoc. Petroleum Geologists Bull.*, v. 48, no. 2, p. 234-236, Feb. 1964.

- Ritter, D. F. *See* Judson, Sheldon. 00725
- Roach, A. W. *See* Silvey, J. K. G. 01849
- 01587 Robb, C. J. Great London well of 1835: *Water Well Jour.*, v. 18, no. 8, p. 27, Aug. 1964.
- 00096 Roberson, C. E. Carbonate equilibria in selected natural waters: *Am. Jour. Sci.*, v. 262, no. 1, p. 56-65, Jan. 1964.
- Roberson, C. E. *See* Feth, J. H. 00518
- Roberson, C. E. *See* Feth, J. H. 02123
- Robertson, G. M. *See* Holmes, R. M. 01897
- Robertson, J. B. *See* Wayman, C. H. 02256
- Robillard, P. *See* Hopkins, J. W. 01918
- Robinove, C. J. *See* Lohman, S. W. 01145
- 01636 Robins, J. S.; Neff, E. L. Principles of the erosion process: Soc. Am. Foresters and Oregon State Univ. School of Forestry, Forest Watershed Management Symposium, Corvallis, Ore., 1963, Proc., p. 127-139, 1963.
- Robins, M. L. *See* Schroeffer, G. J. 00690
- Robinson, G. B., Jr. *See* Carpenter, C. H. 00424
- 00312 Robinson, G. M. The evaluation of water-resources development by analog techniques: *Internat. Assoc. Sci. Hydrology Pub.* 64, p. 442-454, 1964.
- 00575 Robinson, T. W. Phreatophyte research in the Western States, March 1959 to July 1964: *U.S. Geol. Survey Circ.* 495, 31 p., Nov. 1964.
- Robinson, T. W. *See* Horton, J. S. 00921
- 01429 Robison, T. M. Occurrence and availability of ground water in Ohio County, West Virginia: *West Virginia Geol. and Econ. Survey Bull.* 27, 57 p., 1964.
- Roburn, J. *See* de Faubert Maunder, M. J. 01040
- Rodgers, G. K. *See* Richards, T. L. 00996
- Rodgers, G. K. *See* Cudbird, B. S. V. 01227
- 00742 Roebuck, I. F., Jr.; Crain, L. L. Water flooding a high water-cut Strawn sand reservoir: *Jour. Petroleum Technology*, v. 16, no. 8, p. 845-850, Aug. 1964.
- 01802 Rogers, J. S.; Barnett, A. P.; Cobb, Carlisle, Jr. An evaluation of factors affecting runoff and soil loss from simulated rainfall: *Am. Soc. Agr. Engineers Trans.* (Gen. Ed.), v. 7, no. 4, p. 457-459, Dec. 1964.
- Rogers, S. M. *See* Feth, J. H. 00518
- Rohlich, G. A. *See* Hanes, N. B. 00066
- Rohlich, G. A. *See* Allen, M. M. 00448
- Rohlich, G. A. *See* Fitzgerald, G. P. 00681
- 00695 Rohlich, G. A. Methods for the removal of phosphorous and nitrogen from sewage plant effluents, in Eckenfelder, W. W., ed., *Advances in water pollution*

research, Internat. Water Pollution Research Conf., 1st, London, 1962, Proc., v. 2: New York, Macmillan, p. 207-230, 1964.

Rojas, E. H. See Finlayson, D. J. 00257

Rojas, E. H. See Finlayson, D. J. 00973

00657 Rolfe, B. N.; Hadley, R. F. Weathering and transport of sediment in the Cheyenne River basin, eastern Wyoming, in *Clays and clay minerals*, National Conference, 12th, Atlanta, Georgia, 1963, Proceedings: New York, Macmillan, p. 649-670, 1964.

01610 Rollins, M. B.; Dyalla, A. S. Field experiments on sealing permeable fine sand with bentonite: *Soil Sci. Soc. America Proc.*, v. 28, no. 2, p. 268-271, Mar.-Apr. 1964.

01661 Ronai, A. Hydrogeological study on the Quaternary deposits of the Great Hungarian Plain: *Internat. Assoc. Sci. Hydrology Bull.*, v. 9, no. 3, p. 24-30, Sept. 1964.

Ropes, G. E. See Kresge, R. F. 00323

01628 Rorabaugh, M. I. Estimating changes in bank storage and ground-water contribution to streamflow: *Internat. Assoc. Sci. Hydrology Pub.* 63, p. 432-441, 1964.

Rosa, J. M. See Storey, H. C. 01518

00054 Rosebery, D. A. Relation of recreational use to bacterial density of Forest Lake: *Am. Water Works Assoc. Jour.*, v. 56, no. 1, p. 43-59, Jan. 1964.

00811 Rosen, A. A.; Rubin, Meyer. Natural carbon-14 activity of organic substances in streams: *Science*, v. 143, no. 3611, p. 1163-1164, Mar. 1964.

00259 Rosenshein, J. S.; Hunn, J. D. Ground-water resources of northwestern Indiana, preliminary report—Newton County: *Indiana Div. Water Resources Bull.* 26, 69 p., 1964.

00260 Rosenshein, J. S.; Hunn, J. D. Ground-water resources of northwestern Indiana, preliminary report—Jasper County: *Indiana Div. Water Resources Bull.* 25, 83 p., 1964.

00261 Rosenshein, J. S.; Hunn, J. D. Ground-water resources of northwestern Indiana, preliminary report—Pulaski County: *Indiana Div. Water Resources Bull.* 24, 71 p., 1964.

00264 Rosenshein, J. S.; Hunn, J. D. Ground-water resources of northwestern Indiana, preliminary report—Fulton County: *Indiana Div. Water Resources Bull.* 20, 83 p., 1964.

00265 Rosenshein, J. S.; Hunn, J. D. Ground-water resources of northwestern Indiana, preliminary report—Marshall County: *Indiana Div. Water Resources Bull.* 19, 157 p., 1964.

00266 Rosenshein, J. S.; Hunn, J. D. Ground-water resources of northwestern Indiana, preliminary report—Starke County: *Indiana Div. Water Resources Bull.* 22, 87 p., 1964.

01043 Roskam, R. T.; de Langen, D. A simple colorimetric method for the determination of ammonia in seawater: *Anal. Chim. Acta*, v. 30, no. 1, p. 56-59, Jan. 1964.

00481 Rouse, Hunter; Koloseus, H. J.; Davidian, Jacob. The role of the Froude number in open-channel resistance: *Jour. Hydraulic Research*, v. 1, no. 1, p. 14-19, 1963.

- Rubenstein, S. H.** See Scarce, L. E. 00999
- 01297 **Rubin, J.; Steinhardt, R.; Reiniger, P.** Soil water relations during rain infiltration, [Part] 2 — Moisture content profiles during rains of low intensities: Soil Sci. Soc. America Proc., v. 28, no. 1, p. 1-5, Jan.-Feb. 1964.
- 01388 **Rubin, J.; Steinhardt, R.** Soil-water relations during rain infiltration, [Part] 3 — Water uptake at incipient ponding: Soil Sci. Soc. America Proc., v. 28, no. 5, p. 614-619, Sept.-Oct. 1964.
- Rubin, Meyer.** See Rosen, A. A. 00811
- Rubin, Meyer.** See Upson, J. E. 01838
- Rubinsky, Stanley.** See Marshall, Nelson. 01755
- Rucker, C. O.** See Vandertulip, J. J. 00830
- Ruedenberg, Klaus.** See Edmiston, Clyde. 00242
- Ruggles, F. H., Jr.** See Edelen, G. W., Jr. 00576
- Ruggles, F. H., Jr.** See Edelen, G. W., Jr. 00577
- Ruggles, F. H., Jr.** See Edelen, G. W., Jr. 00578
- Ruggles, F. H., Jr.** See Edelen, G. W., Jr. 00579
- Ruggles, F. H., Jr.** See Edelen, G. W., Jr. 02012
- 01836 **Ruhe, R. V.** An estimate of paleoclimate in Oahu, Hawaii: Am. Jour. Sci., v. 262, no. 9, p. 1098-1115, Sept. 1964.
- 00948 **Rukstad, L. R.; Hedges, L. S.** Water supply for the city of Watertown [South Dakota]: South Dakota Geol. Survey Spec. Rept. 28, 32 p., 1964.
- 00949 **Rukstad, L. R.; Hedges, L. S.** Ground water supply for the city of Bowdle [South Dakota]: South Dakota Geol. Survey Spec. Rept. 30, 28 p., 1964.
- 01106 **Rush, F. E.** Ground-water appraisal of the Meadow Valley area, Lincoln and Clark Counties, Nevada: Nevada Dept. Conserv. and Nat. Resources Ground-Water Resources—Reconn. Ser. Rept. 27, 43 p., July 1964.
- Rush, F. E.** See Everett, D. E. 01107
- 01793 **Rush, F. E.; Everett, D. E.** Ground-water appraisal of Monitor, Antelope, and Koebe Valleys, Nevada: Nevada Dept. Conserv. and Nat. Resources Ground Water Resources—Reconn. Ser. Rept. 30, 45 p., Nov. 1964.
- 01667 **Rusho, W. L.** Glen Canyon Dam, an American triumph: Arizona Highways, v. 40, no. 1, p. 6-13, Jan. 1964.
- 00748 **Russell, D. G.; Truitt, N. E.** Transient pressure behavior in vertically fractured reservoirs: Jour. Petroleum Technology, v. 16, no. 10, p. 1159-1170, Oct. 1964.
- 01877 **Rutherford, John.** Interplay of American and Australian ideas for development of water projects in northern Victoria: Assoc. Am. Geographers Annals, v. 54, no. 1, p. 88-106, Mar. 1964.
- 01026 **Rutter, E. J.; Engstrom, L. R.** Reservoir regulation, part 3, of Hydrology of flow control, sec. 25, in Chow, V. T., ed., Handbook of applied hydrology: New York, McGraw-Hill, p. 25-60 to 25-97, 1964.

- 01673 **Ryckman, D. W.; Burbank, N. C.; Edgerley, E.** New techniques for the evaluation of organic pollutants: *Am. Water Works Assoc. Jour.*, v. 56, no. 8, p. 975-983, Aug. 1964.
- Ryno, Takashi.** See Hightower, R. C. 01277
- 01949 **Rzhanitsyn, N. A.** Morphological and hydrological regularities of the structure of the river net: Washington, D.C., U.S. Dept. Agriculture Soil and Water Conserv. Research Div., 380 p., 1964. (Translated from the Russian, by D. B. Krimgold.)
- 01659 **Saad, K. F.; Shukry, A.; Baleigh, A.** Analysis of data from pumping wells near an impermeable barrier: *Internat. Assoc. Sci. Hydrology Bull.*, v. 9, no. 4, p. 8-15, Dec. 1964.
- 02026 **Sabersky, R. H.; Acosta, A. J.** Fluid flow, a first course in fluid mechanics: New York, Macmillan, 393 p., 1964.
- 00205 **Sack, Ivan.** Report of the U.S. Forest Service, *in* Nevada Water Conference, 18th, Carson City, 1964, Proceedings: Carson City, Nevada Dept. Conserv. and Nat. Resources, p. 102-104, 1964.
- Safadi, C.** See Burdon, D. J. 01352
- 01281 **Sagar, R. B.** Meteorological and glaciological observations on the Gilman Glacier, northern Ellesmere Island, 1961: Canada Dept. Mines and Tech. Surveys Geog. Br. Geog. Bull. 22, p. 13-56, 1964.
- 00219 **Sahu, B. K.** Depositional mechanisms from the size analysis of clastic sediments: *Jour. Sed. Petrology*, v. 34, no. 1, p. 73-83, Mar. 1964.
- 00476 **Sahu, B. K.** Transformation of weight frequency and number frequency data in size distribution studies of clastic sediments: *Jour. Sed. Petrology*, v. 34, no. 4, p. 768-773, Dec. 1964.
- Salso, J. H.** See Schoff, S. L. 01975
- Samish, Y.** See Koller, D. 01070
- 01890 **Sammel, E. A.** Evaluation of numerical-analysis methods for determining variations in transmissibility: *Internat. Assoc. Sci. Hydrology Pub.* 64, p. 239-251, 1964.
- 01966 **Sammel, E. A.; Brackley, R. A.; Palmquist, W. N., Jr.** Synopsis of water resources of the Ipswich River basin, Massachusetts: U.S. Geol. Survey Hydrol. Inv. Atlas HA-196, two sheets, Oct. 1964.
- 00462 **Samuels, L. D.** A study of environmental exposure to radium in drinking water, chap. 13, *in* Adams, J. A. S., and Lowder, W. M., eds., *The natural radiation environment*: Houston, Tex., William Marsh Rice Univ., p. 239-251, 1964.
- Sanders, J. E.** See Klein, G. D. 01259
- 01992 **Sanderson, R. B.** Integration of basic data collection, *in* Water resources planning and development: Oregon State Univ. Water Resources Research Inst., Spring Quarter 1964 Seminar, Corvallis, 1964 [Proc.], p. 75-84, July 1964.
- 00746 **Sandiford, B. B.** Laboratory and field studies of water floods using polymer solutions to increase oil recoveries: *Jour. Petroleum Technology*, v. 16, no. 8, p. 917-922, Aug. 1964.
- 01611 **Sandoval, F. M.; Benz, L. C.; Mickelson, R. H.** Chemical and physical properties of soils in a wet saline area in eastern North Dakota: *Soil Sci. Soc. America Proc.*, v. 28, no. 2, p. 195-199, Mar.-Apr. 1964.

- 00011 **Sanford, B. V.** Catalogue of Ontario well samples at the Geological Survey of Canada, Ottawa: Canada Geol. Survey Paper 63-46, 415 p., 1964.
- Sangel, B. P.** See Brebner, Arthur. 01274
- Santema, P.** See Van Eyden, W. A. A. 01324
- 01326 **Santema, P.; Van Eyden, W. A. A.; Kuper, H. W.** The geo-hydrological survey of the south-western deltaic area in the Netherlands: Internat. Assoc. Sci. Hydrology Pub. 63, p. 558-572, 1964.
- Santos, J. F.** See Travis, W. I. 01544
- 01761 **Sapozhnikov, V.** The principles of forecasting the streamflow by the river channel reserves and the influx: Internat. Assoc. Sci. Hydrology Pub. 63, p. 46-51, 1964.
- Sarles, W. B.** See Hanes, N. B. 00066
- 00877 **Satterlund, D. R.; Eschner, A. R.** Snowmelt studies on the Tully Fores* in central New York: Eastern Snow Conf., 21st, Utica, N. Y., 1964, Proc., p. 14-22, 1964.
- 00388 **Sauer, V. B.** Magnitude and frequency of storm runoff in southeastern Louisiana and southwestern Mississippi, in Geological Survey Research 1964, Chapter D: U.S. Geol. Survey Prof. Paper 501-D, p. D182-D184, 1964. [Feb. 1965.]
- 01724 **Sauer, V. B.** Floods in Louisiana, magnitude and frequency (second edition, 1964): Baton Rouge, Louisiana Dept. Highways, 402 p., 1964.
- 00995 **Saylor, J. H.** Survey of Lake Michigan harbor currents, in Conference on Great Lakes Research, 7th, Toronto, Canada, 1964, Proceedings: Michigan Univ. Great Lakes Research Div. Pub. 11, p. 362-368, 1964.
- Sayre, A. N.** See Smith, W. O. 01968
- Sayre, W. W.** See Hubbell, D. W. 00766
- 01191 **Sayre, W. W.; Chamberlain, A. R.** Exploratory laboratory study of lateral turbulent diffusion at the surface of an alluvial channel: U.S. Geol. Survey Circ. 484, 18 p., July 1964.
- Scarboro, G. F., Jr.** See Fishman, M. J. 00073
- 00999 **Scarce, L. E.; Rubenstein, S. H.; Megregian, Stephen.** Survival of indicator bacteria in receiving waters under various conditions, in Conference on Great Lakes Research, 7th, Toronto, Canada, 1964, Proceedings: Michigan Univ. Great Lakes Research Div. Pub. 11, p. 130-139, 1964.
- 01638 **Sceva, J. E.; De Bow, Robert.** Oregon ground-water levels, 1963: Oregon State Engineer Ground Water Rept. 4, 71 p., July 1964.
- 02171 **Schaefer, E. J.** Rambling recollections and comments on ground-water hydrology (guest editorial): Ground Water, v. 2, no. 1, p. 2-4, Jan. 1964.
- 00572 **Scheidegger, A. E.** Lithologic variations in slope development theory: U.S. Geol. Survey Circ. 485, 8 p., May 1964.
- 01291 **Scheidegger, A. E.** Some implications of statistical mechanics in geomorphology: Internat. Assoc. Sci. Hydrology Bull., v. 9, no. 1, p. 12-16, Mar. 1964.
- 01776 **Scheidegger, A. E.** Statistical hydrodynamics in porous media, in Chow, V. T., ed., Advances in hydrosience: New York, Academic Press, p. 161-181, 1964.
- Scherfig, J.** See Ludwig, H. F. 01418

- 00980 **Schicht, R. J.** Electric analog model study of a sand and gravel aquifer: *Am. Soc. Agr. Engineers Trans. (Gen. Ed.)*, v. 7, no. 3, p. 344-348, 355, Nov. 1964.
- 01998 **Schick, Harold.** Water-based recreation, *in* Water resources planning and development: Oregon State Univ. Water Resources Research Inst., Spring Quarter 1964 Seminar, Corvallis, 1964 [Proc.], p. 20-26, July 1964.
- 00377 **Schiff, Leonard; Dyer, K. L.** Some physical and chemical considerations in artificial ground-water recharge: *Internat. Assoc. Sci. Hydrology Pub.* 64, p. 347-358, 1964.
- 01641 **Schiff, Leonard.** Ground-water recharge hydrology: *Ground Water*, v. 2, no. 3, p. 16-19, July 1964.
- 01840 **Schiff, Leonard.** Devices for measuring soil water movement in designing recharge facilities: *Am. Soc. Agr. Engineers Trans. (Gen. Ed.)*, v. 7, no. 1, p. 67-69, Mar. 1964.
- 00744 **Schilson, R. E.** Methods of similarity: *Jour. Petroleum Technology*, v. 16, no. 8, p. 877-879, Aug. 1964.
- 02128 **Schimming, B. B.; Kondner, R. L.** Auxiliary potential function for seepage: *Am. Soc. Civil Engineers Proc. Paper* 3930, *Irrig. and Drainage Div. Jour.*, v. 90, no. IR 2, p. 21-32, June 1964.
- 00542 **Schiner, G. R.; Schneider, Robert.** Geology and ground-water conditions of the Redwood Falls area, Redwood County, Minnesota: *U.S. Geol. Survey Water Supply Paper* 1669-R, p. R1-R46, Aug. 1964.
- 00891 **Schiner, G. R.; Gonthier, J. B.** Ground-water map of the Prudence Island and Newport quadrangles, Rhode Island: Rhode Island Water Resources Coordinating Board Ground-Water Map 20, 1 map, 1964.
- 00892 **Schiner, G. R.; Gonthier, J. B.** Ground-water map of the Tiverton and Sakonnet Point quadrangles, Rhode Island, and the Rhode Island portion of the Westport quadrangle, Massachusetts: Rhode Island Water Resources Coordinating Board Ground-Water Map 21, 1 map, 1964.
- Schiner, G. R.** See Hansen, A. J., Jr. 00935
- 00031 **Schleusener, R. A.** Weather modification: *Am. Soc. Civil Engineers Proc. Paper* 3756, *Hydraulics Div. Jour.*, v. 90, no. HY 1, p. 57-75, Jan. 1964.
- 02242 **Schmid, Paul; Luthin, James.** The drainage of sloping lands: *Jour. Geophys. Research*, v. 69, no. 8, p. 1525-1529, Apr. 15, 1964.
- 01120 **Schmid, R. W.** Ground water in the Rolla area, Rolette County, North Dakota, *with* Pump test analyses, by M. O. Lindvig: *North Dakota Water Conserv. Comm. North Dakota Ground-Water Studies* 57, 47 p., 1964.
- 01626 **Schmidt, B. L.; Shrader, W. D.; Moldenhauer, W. C.** Relative erodibility of three loess-derived soils in southwestern Iowa: *Soil Sci. Soc. America Proc.*, v. 28, no. 4, p. 570-574, July-Aug. 1964.
- Schneider, P. A., Jr.** See Hershey, L. A. 00545
- Schneider, P. A., Jr.** See Smith, R. O. 02011
- 01997 **Schneider, P. W.** Fish and wildlife, *in* Water resources planning and development: Oregon State Univ. Water Resources Research Inst., Spring Quarter 1964 Seminar, Corvallis, 1964 [Proc.], p. 27-37, July 1964.
- 00526 **Schneider, Robert.** Cenomanian-Turonian aquifer of central Israel—its development and possible use as a storage reservoir: *U.S. Geol. Survey Water-Supply Paper* 1608-F, p. F1-F20, Nov. 1964.

Schneider, Robert. See Schiner, G. R. 00542

- 02130 **Schneider, Robert.** Relation of temperature distribution to ground-water movement in carbonate rocks of central Israel: Geol. Soc. America Bull., v. 75, no. 3, p. 209-216, Mar. 1964.

- 01973 **Schneider, W. J.; Conover, W. J.** Tree growth proves nonsensitive indicator of precipitation in central New York, in Geological Survey Research 1964, Chapter B: U.S. Geol. Survey Prof. Paper 501-B, p. B185-B187, June 1964.

- 01643 **Schoeller, H.** La classification geochimique des eaux: Internat. Assoc. Sci. Hydrology Pub. 64, p. 16-24, 1964.

Schoff, S. L. See Eakin, T. E. 00418

- 01975 **Schoff, S. L.; Salso, J. H.; García, José.** Source of heat in a deep artesian aquifer, Bahía Blanca, Argentina, in Geological Survey Research 1964, Chapter D: U.S. Geol. Survey Prof. Paper 501-D, p. D153-D157, 1964. [Feb. 1965.]

- 02027 **Schoff, S. L.; Moore, J. E.** Chemistry and movement of ground water, Nevada Test Site: U.S. Geol. Survey Rept. TEI-838, 75 p., May 1964.

- 00391 **Scholl, D. W.** Recent sedimentary record in mangrove swamps and rise in sea level over the southwestern coast of Florida, part 1: Marine Geology, v. 1, no. 4, p. 344-366, July 1964.

- 00393 **Scholl, D. W.** Recent sedimentary record in mangrove swamps and rise in sea level over the southwestern coast of Florida, part 2: Marine Geology, v. 2, no. 4, p. 343-364, Dec. 1964.

Schreiber, H. A. See Kincaid, D. R. 01363

Schroeder, M. C. See Klein, Howard. 01729

- 00690 **Schroepfer, G. J.; Robins, M. L.; Susag R. H.** The research program on the Mississippi River in the vicinity of Minneapolis and St. Paul, in Southgate, B. A., ed., Advances in water pollution research, Internat. Water Pollution Research Conf., 1st, London, 1962, Proc., v. 1: New York, Macmillan, p. 137-162, 1964.

- 00629 **Schubert, Carlos.** Size-frequency distributions of sand-sized grains in an abrasion mill: Sedimentology, v. 3, no. 4, p. 288-295, Dec. 1964.

Schupp, R. G. See Feulner, A. J. 00170

Schutz, D. F. See Bolter, Ernst. 01741

Schwab, G. O. See Hoffman, G. J. 00119

Schwantje, Hans. See Cosaro, Gerald. 00063

- 01044 **Schweitzer, G. K.** A theoretical approach to the solvent extraction of metal chelates: Anal. Chim. Acta, v. 30, no. 1, p. 68-78, Jan. 1964.

- 01045 **Schweitzer, G. K.; Norton, A. D.** The solvent extraction of some thallium(I) chelates: Anal. Chim. Acta, v. 30, no. 2, p. 119-125, Feb. 1964.

- 01680 **Scopel, L. J.** Pressure injection disposal well, Rocky Mountain Arsenal¹, Denver, Colorado: Mtn. Geologist, v. 1, no. 1, p. 35-42, Jan. 1964.

Scott, C. H. See Mundorff, J. C. 02226

Scott, E. J. See Klute, A. 00309

- 00086 **Scott, J. C.** Ground-water resources of Russell County, Alabama: Alabama Geol. Survey Bull. 75, 77 p., 1964.

- 00357 **Scott, J. S.; Render, F. W.** Effect of an Alaskan earthquake on water levels in wells at Winnipeg and Ottawa, Canada: *Jour. Hydrology* [Amsterdam], v. 2, no. 3, p. 262-268, 1964. [Mar. 1965.]
- 00874 **Scott, J. S.; van Everdingen, R. O.** Geotechnical investigations Red River floodway, Winnipeg, Manitoba, Part 2—Groundwater investigations: *Canada Geol. Survey Paper* 64-18, p. 16-43, 1964.
- 00470 **Scott, J. T.** A comparison of the heat balance of lakes in winter: *Wisconsin Univ. Dept. Meteorology Tech. Rept.* 13 (ONR Task No. NR 387-022), 138 p., Apr. 1964.
- 00439 **Scott, R. H.** Miniaturized dissolved oxygen field kit: *Water Pollution Control Federation Jour.*, v. 36, no. 3, p. 342-344, Mar. 1964.
- Scott, V. H.** See Abu-Zied, M. A. 00795
- Scott, V. H.** See Sternberg, Y. M. 02158
- Seaders, John.** See Delay, W. H. 02010
- 00282 **Seginer, I.; Levine, G.** Infiltration of water under pressure from a piezometer cavity into a homogeneous soil, [Part] 2 — Hele-Shaw model experiments: *Soil Sci.*, v. 97, no. 2, p. 133-140, Feb. 1964.
- 02243 **Seginer, I.; Levine, G.** Infiltration of water under pressure from a piezometer cavity into a homogeneous soil, [Part] 1 — One dimensional infiltration: *Soil Sci.*, v. 97, no. 1, p. 48-57, Jan. 1964.
- Sellers, W. D.** See Green, C. R. 00662
- 01559 **Sellers, W. D.** Potential evapotranspiration in arid regions: *Jour. Appl. Meteorology*, v. 3, no. 1, p. 98-104, Feb. 1964.
- Semenov, S. M.** See Konoplyantsev, A. A. 00380
- 00059 **Setter, L. R.** Reliability of measurements of gross beta radioactivity in water: *Am. Water Works Assoc. Jour.*, v. 56, no. 2, p. 228-236, Feb. 1964.
- 00169 **Sever, C. W.** Ground-water conduits in the Ashland Mica Schist, northern Georgia, in *Geological Survey Research 1964*, Chapter D: U.S. Geol. Survey Prof. Paper 501-D, p. D141-D143, 1964. [Feb. 1965.]
- 01726 **Sever, C. W.** Geology and ground-water resources of crystalline rocks, Dawson County, Georgia: *Georgia Geol. Survey Inf. Circ.* 30, 32 p., 1964.
- 00993 **Sewell, W. R. D.** The Columbia River Treaty and Protocol Agreement: *Nat. Resources Jour.*, v. 4, no. 2, p. 309-331, Oct. 1964.
- 01945 **Seymour, A. H.; Lewis, G. B.** Radionuclides of Columbia River origin in marine organisms, sediments, and water collected from the coastal and offshore waters of Washington and Oregon, 1961-1963: U.S. Atomic Energy Comm. Div. Tech. Inf. [Pub.] UWFL-86, 73 p., Dec. 1964.
- Shaffer, E. W., Jr.** See Eckfeldt, E. L. 00799
- Shah, K. L.** See Leonard, R. B. 00360
- Shallenberger, L. K.** See Greenkorn, R. A. 00919
- 00791 **Shane, R. M.; Lynn, W. R.** Mathematical model for flood risk evaluation: *Am. Soc. Civil Engineers Proc. Paper* 4119, *Hydraulics Div. Jour.*, v. 90, no. HY 6, p. 1-20, Nov. 1964.

- 00628 **Shannon and Wilson, Inc.** Report on subsurface investigation for city of Seward, Alaska and vicinity to U.S. Army Engineer District, Anchorage, Alaska: Seattle, Wash., Shannon and Wilson, 38 p., 14 figs., Aug. 1964.
- 00966 **Shapiro, Joseph.** Effect of yellow organic acids on iron and other metals in water: *Am. Water Works Assoc. Jour.*, v. 56, no. 8, p. 1062-1082, Aug. 1964.
- 01554 **Shapiro, M. A.** (and others). Some factors of importance in evaluating sites for nuclear industry as determined by a limnological study of the upper Ohio River: *Internat. Assoc. Theoretical and Appl. Limnology Proc.*, v. 15, pt. 1, p. 299-306, Feb. 1964.
- Sharp, A. L.** See Neuberger, J. W. 00077
- 00645 **Sharp, A. L.** (and others). Runoff as affected by intensity of grazing on rangeland: *Jour. Soil and Water Conserv.*, v. 19, no. 3, p. 103-106, May-June 1964.
- 00758 **Sharp, B. B.** Flow measurement with a suspension wire: *Am. Soc. Civil Engineers Proc. Paper 3821, Hydraulics Div. Jour.*, v. 90, no. HY 2, p. 37-53, Mar. 1964.
- Shata, A.** See Drouhin, G. 01652
- 00084 **Shaw, R. H.** Prediction of soil moisture under meadow: *Agronomy Jour.*, v. 56, no. 3, p. 320-324, May-June 1964.
- 01336 **Sheen, E. M.; Bunch, W. L.; Wood, M. R.** Neutron soil moisture monitor: U.S. Atomic Energy Comm. Research and Devel. Rept. HW-82009, 18 p., May 1964. (Available from U.S. Department of Commerce, Office of Technical Services, Washington, D.C.)
- 01035 **Sheerar, L. L.** Model for river regulation: *Am. Soc. Civil Engineers Proc. Paper 3693, Waterways and Harbors Div. Jour.*, v. 89, no. WW 4, p. 13-27, Nov. 1963.
- 01694 **Sheldon, J. W.; Dougherty, E. W.** A numerical method for computing the dynamical behavior of fluid-fluid interfaces in permeable media: *Soc. Petroleum Engineers Jour.*, v. 4, no. 2, p. 158-170, June 1964.
- 00617 **Shell, J. D.** Flood on Pearl River at Jackson, Mississippi in 1961: *U.S. Geol. Survey Hydrol. Inv. Atlas HA-127*, one sheet, Aug. 1964.
- 01257 **Shelton, J. W.** Authigenic kaolinite in sandstone: *Jour. Sed. Petrology*, v. 34, no. 1, p. 102-111, Mar. 1964.
- Shen, H. W.** See Einstein, H. A. 00732
- 01878 **Sherwood, C. B.; Klein, Howard.** Surface- and ground-water relation in a highly permeable environment: *Internat. Assoc. Sci. Hydrology Pub.* 63, p. 454-468, 1964.
- 00721 **Shirtcliffe, T. G. L.; Benseman, R. F.** A sun-heated Antarctic lake: *Jour. Geophys. Research*, v. 69, no. 16, p. 3355-3359, Aug. 15, 1964.
- 01314 **Shirtcliffe, T. G. L.** Lake Bonney, Antarctica—cause of the elevated temperature: *Jour. Geophys. Research*, v. 69, no. 24, p. 5257-5268, Dec. 15, 1964.
- Shoup, A. L.** See Allis, J. A. 01466
- Shown, L. M.** See Parker, G. G. 01320
- Shrader, W. D.** See Schmidt, B. L. 01626
- 00340 **Shreve, R. L.; Kamb, W. B.** Instruments and methods, portable thermal core drill for temperate glaciers: *Jour. Glaciology*, v. 5, no. 37, p. 113-117, Feb. 1964.

- 00398 **Shropshire, Joe.** Wave train logging from acoustic logs: South Texas Geol. Soc. Bull., v. 4, no. 3, p. 6-15, Feb. 1964.
- Shubeck, F. E.** See Kingsley, Q. S. 00640
- Shukry, A.** See Saad, K. F. 01659
- Shulits, Sam.** See Herbich, J. B. 00796
- 00109 **Shull, Hollis.** Hydraulic characteristics of glass-fiber filter material: Am. Soc. Agr. Engineers Trans. (Gen. Ed.), v. 7, no. 2, p. 120-122, June 1964.
- 00286 **Shull, Hollis.** Influence of installation depth on infiltration from unbuffered cylinder infiltrometers: Soil Sci., v. 97, no. 4, p. 279-280, Apr. 1964.
- 00295 **Shull, Hollis.** An inflow-advance-storage method for determining infiltration in irrigated furrows: Soil Sci., v. 98, no. 3, p. 192-196, Sept. 1964.
- 01778 **Shumskii, P. A.** Principles of structural glaciology: New York, Dover Publications, 497 p., 1964. [Translated from the Russian, by David Kraus.]
- 02101 **Shumskiy, P. A.; Krenke, A. N.; Zotikov, I. A.** Ice and its changes, chap. 16, in Odishaw, Hugh, ed., Research in geophysics, v. 2—Solid earth and interface phenomena: Cambridge, Mass., M.I.T. Press, p. 425-460, 1964.
- Siddiqi, R.** See Chaudhuri, N. 00055
- Siddoway, F.H.** See Armbrust, D. V. 01624
- 00510 **Sigafoos, R. S.** Botanical evidence of floods and flood-plain deposition: U.S. Geol. Survey Prof. Paper 485-A, p. A1-A35, Dec. 1964.
- Sigler, W. F.** See Workman, G. W. 02050
- Silin-Bektchourin, A.** See Bogomolov, G. 00369
- 01223 **Silker, W. B.** Variations in elemental concentrations in the Columbia River: Limnology and Oceanography, v. 9, no. 4, p. 540-545, Oct. 1964.
- Silver, W. S.** See St. John, P. A. 01042
- 01849 **Silvey, J. K. G.; Roach, A. W.** Studies on microbiotic cycles in surface waters: Am. Water Works Assoc. Jour., v. 56, no. 1, p. 60-72, Jan. 1964.
- 03013 **Silvey, J. K. G.** The role of aquatic actinomycetes in self-purification of fresh water streams, in Southgate, B. A., ed., Advances in water pollution research, Internat. Water Pollution Research Conf., 1st, London, 1962, Proc., v. 1: New York, Macmillan, p. 227-243, 1964.
- 01447 **Simojoki, H.** The influence of the catchment area on the low and high water periods: Internat. Assoc. Sci. Hydrology Pub. 63, p. 378-382, 1964.
- Simons, D. B.** See Guy, H. P. 00137
- Simons, D. B.** See Stepanich, F. C. 01039
- Simons, D. B.** See Albertson, M. L. 01511
- 00071 **Sinclair, R. M.** Clam pests in Tennessee water supplies: Am. Water Works Assoc. Jour., v. 56, no. 5, p. 592-599, May 1964.
- 00940 **Singh, K. P.** Nonlinear instantaneous unit-hydrograph theory: Am. Soc. Civil Engineers Proc. Paper 3852, Hydraulics Div. Jour., v. 90, no. HY 2, p. 313-347, Mar. 1964.

- 00164 **Siple, G. E.** Geohydrology of storage of radioactive waste in crystalline rocks at the AEC Savannah River plant, South Carolina, *in* Geological Survey Research 1964, Chapter C: U.S. Geol. Survey Prof. Paper 501-C, p. C180-C184, Oct. 1964.
- 01395 **Sippel, R. F.; Glover, E. D.** The solution alteration of carbonate rocks, the effects of temperature and pressure: *Geochim. et Cosmochim. Acta*, v. 28, no. 9, p. 1401-1417, Sept. 1964.
- Sisco, H. G.** *See* Walker, E. H. 02003
- 00133 **Skibitzke, H. E.** Extending Darcy's concept of ground-water motion: U.S. Geol. Survey Prof. Paper 411-F, p. F1-F6, Dec. 1964.
- 02140 **Skinner, M. M.** Water resource management in the Prospect Valley area, Colorado: *Ground Water*, v. 2, no. 2, p. 28-31, Apr. 1964.
- Skougstad, M. W.** *See* Fishman, M. J. 00073
- Skougstad, M. W.** *See* Fishman, M. J. 01669
- Skrinde, R. T.** *See* Buescher, C. A. 00446
- Skulberg, Olav.** *See* Garder, Karen. 02195
- 00139 **Slack, K. V.** Effect of tree leaves on water quality in the Cacapon River, West Virginia, Art. 161 *in* Short papers in geology and hydrology: U.S. Geol. Survey Prof. Paper 475-D, p. D181-D185, Mar. 1964.
- 00277 **Slager, S.; Koenigs, F. F. R.** Particle size analysis of soils by means of a torsion balance and a plummet: *Sedimentology*, v. 3, no. 3, p. 240-252, Sept. 1964.
- 02028 **Slatyer, R. O.; Mabbutt, J. A.** Hydrology of arid and semiarid regions, sec. 24, *in* Chow, V. T., ed., *Handbook of applied hydrology*: New York, McGraw-Hill, p. 24-1 to 24-46, 1964.
- 01812 **Slaymaker, H. O.; Chorley, R. J.** The vigil network system—observations on the establishment of benchmark hydrologic stations in small watersheds in the United States, together with suggestions for the establishment of similar sites in Great Britain: *Jour. Hydrology [Amsterdam]*, v. 2, no. 1, p. 19-24, 1964.
- 01828 **Slepička, František.** Geological causes of hysteresis in the space-hydrological regime of water circulation and investigation of their effect in small catchment basins: *Internat. Assoc. Sci. Hydrology Pub.* 63, p. 588-596, 1964.
- 01137 **Sloss, Raymond; Broussard, W. L.** Surface-water resources, Jefferson Davis Parish, *in* Jefferson Davis Parish, resources and facilities: Baton Rouge, Louisiana Dept. Public Works, p. 31-41, 1964.
- 00097 **Smalley, I. J.** Representation of packing in a clastic sediment: *Am. Jour. Sci.*, v. 262, no. 2, p. 242-248, Feb. 1964.
- 00115 **Smerdon, E. T.** Effect of rainfall on critical tractive forces in channels with shallow flow: *Am. Soc. Agr. Engineers Trans. (Gen. Ed.)*, v. 7, no. 3, p. 287-290, Nov. 1964.
- Smirnov, K. I.** *See* Wolfstoun, I. B. 01889
- 00018 **Smith, A. D.; Mikkelsen, T. T.; Walker, P. H.** An apparatus for weekly measurement of precipitation and evaporation: *Canadian Jour. Plant Sci.*, v. 44, no. 2, p. 213-215, Mar. 1964.
- 01683 **Smith, F. A.; Emery, P. A.; Souders, V. L.** Saline County: Nebraska Univ. Conserv. and Survey Div. Nebraska Water Survey Test Hole Rept. 6, 82 p., June 1964.

Smith, H. F., Jr. See Taylor, F. B. 01632

- 00837 **Smith, J. L.** Strength-moisture-density relations of fine-grained soils in vehicle mobility research: U.S. Army Engineer Waterways Expt. Sta. Tech. Rept. 3-639, 36 p., Jan. 1964.
- 01438 **Smith, K.** A long period assessment of the Penman and Thornthwaite potential evapotranspiration formulae: Jour. Hydrology [Amsterdam], v. 2, no. 4, p. 277-290, 1964. [Apr. 1965.]
- 01639 **Smith, P. M.** The Flint Ridge Cave system, 1957-1962: Natl. Speleol. Soc. Bull., v. 26, no. 1, p. 17-27, Jan. 1964.
- 02244 **Smith, R. L.** Industrial, in Oregon's water problems and future needs, State Water Resources Conference: Oregon Water Resources Board, Salem, Oreg., 1964, Proc., p. [A]81-[A]89, 1964.
- 01821 **Smith, R. L., Jr.** Water pollution in Pearl Harbor—steps to reverse the present trend: Water and Sewage Works, v. 111, no. 7, p. 318-323, July 1964.
- 02011 **Smith, R. O.; Schneider, P. A., Jr.; Petri, L. R.** Ground-water resources of the South Platte River basin in western Adams and southwestern Weld Counties, Colorado: U.S. Geol. Survey Water-Supply Paper 1658, 132 p., June 1964.
- 00535 **Smith, R. P.** Floods of April-May 1958 in Louisiana and adjacent states: U.S. Geol. Survey Water-Supply Paper 1660-A, p. A1-A149, Jan. 1964.
- 01504 **Smith, S. C.; Castle, E. N.** (editors). Economics and public policy in water resource development: Ames, Iowa State Univ. Press, 463 p., 1964.
- 01908 **Smith, S. C.; Bittinger, M. W.** Managing artificial recharge through public districts: Jour. Soil and Water Conserv., v. 19, no. 1, p. 7-11, Jan.-Feb. 1964.
- 02160 **Smith, T. W.** Ground-water control for highways: Highway Research Rec., no. 57, p. 35-52, 1964.
- 01968 **Smith, W. O.; Sayre, A. N.** Turbulence in ground-water flow: U.S. Geol. Survey Prof. Paper 402-E, p. E1-E9, Feb. 1964.
- 01845 **Snell, A. W.; van Schilfgaarde, J.** Four-well method of measuring hydraulic conductivity in saturated soils: Am. Soc. Agr. Engineers Trans. (Ger. Ed.), v. 7, no. 1, p. 83-87, 91, Mar. 1964.
- 01592 **Snell, T. S.** The Surgeon General's model law and you: Water-Well Jour., v. 18, no. 11, p. 6-8, 36-38, Nov. 1964.
- 00529 **Sniegocki, R. T.** Hydrogeology of a part of the Grand Prairie region, Arkansas: U.S. Geol. Survey Water-Supply Paper 1615-B, p. B1-B72, Jan. 1964.
- 00944 **Snodgrass, F. E.** Precision digital tidal gauge: Science, v. 146, no. 3641, p. 198-208, Oct. 1964.
- 00771 **Snyder, F. F.** Hydrology of spillway design—large structures, adequate data: Am. Soc. Civil Engineers Proc. Paper 3915, Hydraulics Div. Jour., v. 90, no. HY 3, p. 239-259, May 1964.
- 01760 **Snyder, W. M.** A water yield model derived from monthly runoff data: Internat. Assoc. Sci. Hydrology Pub. 63, p. 18-30, 1964.

Sobel, M. J. See Thomann, R. V. 01852

- 01690 **Society of American Foresters.** (and Oregon State University, School of Forestry). Symposium of Forest Watershed Management, Corvallis, Oregon, March 25-28, 1963, Proceedings: 355 p., 1963.

- 01814 **Soczynska, Urszula.** Computation of momentary runoff coefficient for forecast purpose of precipitation flood in mountain rivers: *Internat. Assoc. Sci. Hydrology Pub.* 63, p. 81-89, 1964.
- 00040 **Soderberg, A. D.** Irrigation development in a subhumid area: *Am. Soc. Civil Engineers Proc. Paper* 3922, *Irrig. and Drainage Div. Jour.*, v. 90, no. IR 2, pt. 1, p. 1-19, June 1964.
- 00399 **Sokol, Daniel; Cook, E. F.** Water-resource activities of State agencies: *State Geologists Jour.*, v. 16, no. 1, p. 30-36, Apr. 1964.
- 02154 **Sokol, Daniel; Cook, E. F.** State programs in water-resources investigation: *Ground Water*, v. 2, no. 4, p. 9-13, Oct. 1964.
- Somayajulu, B. L. K.** *See* Lal, D. 01097
- 01757 **Somov, N. V.** Asynchronous character and cyclic recurrence of the variations in the streamflow of the major rivers in the U.S.S.R.: *Internat. Assoc. Sci. Hydrology Pub.* 63, p. 203-206, 1964.
- Sonmor, L. G.** *See* Hobbs, E. H. 00274
- Souders, V. L.** *See* Smith, F. A. 01683
- 01025 **Southgate, B. A.** (editor). Advances in water pollution research—Proceedings of the International Conference on Water Pollution Research, 1st, London, England, September 1962, volume 1: New York, Macmillan, 341 p., 1964.
- 01834 **Sparrow, G. N.; Long, F. L.; Daniels, J. M.** Water control on Bladen soil: *Am. Soc. Agr. Engineers Trans. (Gen. Ed.)*, v. 7, no. 3, p. 313-315, Nov. 1954.
- 01207 **Speer, P. R.; Gamble, C. R.** Magnitude and frequency of floods in the United States, Part 2-A — South Atlantic slope basins, James River to Savannah River: *U.S. Geol. Survey Water-Supply Paper* 1673, 329 p., May 1964.
- 02019 **Speer, P. R.** (and others). Low-flow characteristics of streams in the Mississippi embayment in Mississippi and Alabama, with a section on Quality of the water, by W. J. Welborne: *U.S. Geol. Survey Prof. Paper* 448-1, p. 1-1-47, 1964. [Jan. 1965.]
- 02029 **Speer, P. R.; Gamble, C. R.** Magnitude and frequency of floods in the United States, Part 3-B — Cumberland and Tennessee River basins: *U.S. Geol. Survey Water-Supply Paper* 1676, 340 p., Feb. 1964.
- Spencer, C. W.** *See* Upson, J. E. 00505
- Spincer, D.** *See* Pollard, F. H. 01738
- Spindler, J. C.** *See* Welch, E. B. 00452
- 00074 **Spiridonoff, S. V.** Design and use of radial collector wells: *Am. Water Works Assoc. Jour.*, v. 56, no. 6, p. 689-698, June 1964.
- Sprague, M. L.** *See* Dugan, P. R. 00625
- 01225 **Sreenivasan, A.** Limnological studies and fish yield in three upland lakes of Madras State, India: *Limnology and Oceanography*, v. 9, no. 4, p. 564-575, Oct. 1964.
- Sridurongkatum, Pachern.** *See* Ackermann, N. L. 00793
- 01042 **St. John, P. A.; Winefordner, J. D.; Silver, W. S.** Microdetermination of dissolved oxygen in water by a rapid spectrophotometric method: *Anal. Chim. Acta*, v. 30, no. 1, p. 49-55, Jan. 1964.

- 00494 **Stall, J. B.** Low flows of Illinois streams for impounding reservoir design: Illinois Water Survey Bull. 51, 395 p., 1964.
- 01713 **Stall, J. B.** Sediment movement and deposition patterns in Illinois impounding reservoirs: Am. Water Works Assoc. Jour., v. 56, no. 6, p. 755-766, June 1964.
- 00132 **Stallman, R. W.** Multiphase fluids in porous media—a review of theories pertinent to hydrologic studies: U.S. Geol. Survey Prof. Paper 411-E, p. E1-E51, Jan. 1964.
- 01422 **Stanbridge, H. H.** From pollution prevention to effluent re-use, part 2: Water and Sewage Works, v. 111, no. 11, p. 494-499, Nov. 1964.
- 01823 **Stanbridge, H. H.** From pollution prevention to effluent re-use, part 1: Water and Sewage Works, v. 111, no. 10, p. 446-451, Oct. 1964.
- 01407 **Stanley, W. E.** Hawaiian water supply systems: Water and Sewage Works, v. 111, no. 7, p. 304-307, July 1964.
- Staple, W. J.** See Gupta, R. P. 01165
- 02116 **Starý, Jirí.** The solvent extraction of metal chelates: New York, Macmillan, 240 p., 1964.
- 01691 **Stead, F. W.** Distribution in groundwater of radionuclides from underground nuclear explosions, in Engineering with nuclear explosives—Plowshare Symposium, 3d, Davis, California, April 1964, Proceedings: U.S. Atomic Energy Comm. Div. Tech. Inf. [Pub.] TID-7695, p. 127-138, 1964.
- Steen, A. J.** See Essington, E. H. 00410
- 01411 **Steffen, A. J.** Control of water pollution by waste water utilization—the role of the WPCF: Water and Sewage Works, v. 111, no. 9, p. 384-385, Sept. 1964.
- 02017 **Stein, J. E.; Degison, J. G.** Guide lines for the investigation of suspected toxic conditions on marine ecology, in Water quality and chemicals—industrial and agricultural: Water for Texas Conf., 9th, College Station, Tex., 1964, Proc., p. 22-24, 1964.
- Steinhardt, R.** See Rubin, J. 01297
- Steinhardt, R.** See Rubin, J. 01388
- Stenger, V. A.** See Van Hall, C. E. 01405
- 01039 **Stepanich, F. C.; Simons, D. B.; Richardson, E. V.** Control structures for sand-bed channels: Am. Soc. Civil Engineers Proc. Paper 3895, Waterways and Harbors Div. Jour., v. 90, no. WW 2, p. 1-18, May 1964.
- 01646 **Stephens, Uel.** Effects of conservation techniques on yield: Am. Water Works Assoc. Jour., v. 56, no. 8, p. 991-999, Aug. 1964.
- Stephenson, D. A.** See Domenico, P. A. 01580
- Stephenson, D. A.** See Domenico, P. A. 01990
- 02158 **Sternberg, Y. M.; Scott, V. H.** The Hele-Shaw model—a research device in ground-water studies: Ground Water, v. 2, no. 4, p. 33-37, Oct. 1964.
- 00024 **Stevens, H. H., Jr.; Dempster, G. R., Jr.** An electric-powered vehicle for large river measurements: Civil Eng., v. 34, no. 6, p. 74, June 1964.
- Stevens, P. R.** See Cooley, M. E. 01484

- 02030 **Stewart, G. W.; Ouellette, Carole.** Progress report on rock well survey in New Hampshire: Concord, New Hampshire Div. Econ. Devel., 10 p., Nov. 1964.
- 01131 **Stewart, J. W.** (and others). Geologic and hydrologic investigation at the site of the Georgia Nuclear Laboratory, Dawson County, Georgia: U.S. Geol. Survey Bull. 1133-F, p. F1-F90, Dec. 1964.
- 02151 **Stewart, J. W.** Infiltration and permeability of weathered crystalline rocks, Georgia Nuclear Laboratory, Dawson County, Georgia: U.S. Geol. Survey Bull. 1133-D, p. D1-D57, Apr. 1964.
- 01994 **Stewart, W. H.** Flood control, drainage, and erosion, *in* Water resources planning and development: Oregon State Univ. Water Resources Research Inst., Spring Quarter 1964 Seminar, Corvallis, 1964 [Proc.], p. 51-66, July 1964.
- Stockinger, K. R.** See Doering, E. J. 00289
- Stockinger, K. R.** See Meek, B. D. 00307
- 02031 **Stoertz, C. R.** Glaciers—rivers of ice: *Frontiers*, v. 29, no. 2, p. 35-37, Dec. 1964.
- 00100 **Stokes, W. L.** Incised, wind-aligned stream patterns of the Colorado Plateau: *Am. Jour. Sci.*, v. 262, no. 6, p. 808-816, June 1964.
- 01518 **Storey, H. C.; Hobba, R. L.; Rosa, J. M.** Hydrology of forest lands and rangelands, sec. 22, *in* Chow, V. T., ed., *Handbook of applied hydrology*: New York, McGraw-Hill, p. 22-1 to 22-52, 1964.
- Stout, G. E.** See Huff, F. A. 01921
- 00090 **Stout, J. L.** Pore geometry as related to carbonate stratigraphic traps: *Am. Assoc. Petroleum Geologists Bull.*, v. 48, no. 3, p. 329-337, Mar. 1964.
- 00457 **Stout, O. C.** Arizona plan for Colorado River water: *Water Works and Wastes Eng.*, v. 1, no. 3, p. 66, Mar. 1964.
- 01028 **Strahler, A. N.** Quantitative geomorphology of drainage basins and channel networks, part 2, *of* Geology, sec. 4, *in* Chow, V. T., ed., *Handbook of applied hydrology*: New York, McGraw-Hill, p. 4-39 to 4-76, 1964.
- 01146 **Strandberg, C. H.** An aerial water quality reconnaissance system: *Photogramm. Eng.*, v. 30, no. 1, p. 46-54, Jan. 1964.
- 01529 **Straub, C. P.** Low-level radioactive wastes, their handling, treatment, and disposal: Washington, D. C., U.S. Atomic Energy Comm. Div. Tech. Inf., 430 p., 1964.
- 02245 **Straub, C. P.; Carter, M. W.; Moeller, D. W.** Environmental behavior of nuclear debris: *Am. Soc. Civil Engineers Proc. Paper 4159, Sanitary Eng. Div. Jour.*, v. 90, no. SA 6, p. 25-40, Dec. 1964.
- Street, R. L.** See Watters, G. Z. 00775
- 00162 **Stringfield, V. T.** Relation of surface-water hydrology to the principal artesian aquifer in Florida and southeastern Georgia, *in* Geological Survey Research 1964, Chapter C: U.S. Geol. Survey Prof. Paper 501-C, p. C164-C169, Oct. 1964.
- 01141 **Struthers, P. H.** Chemical weathering of strip-mine spoils: *Ohio Jour. Sci.*, v. 64, no. 2, p. 125-131, Mar. 1964.
- Stuart, W. T.** See Barnes, Ivan. 00509
- Stuiver, M.** See Deevey, E. S., Jr. 01553

- Stuiver, Minze.** *See* Deevey, E. S., Jr. 01892
- 00858 **Stulik, R. S.; Twenter, F. R.** Geology and ground water of the Luke area, Maricopa County, Arizona: U.S. Geol. Survey Water-Supply Paper 1779-P, p. P1-P30, July 1964.
- Stulik, R. S.** *See* White, N. D. 00972
- 00974 **Stulik, R. S.** Effects of ground-water withdrawal, 1954-63, in the lower Harquahala Plains, Maricopa County, Arizona: Arizona Land Dept. Water Resources Rept. 17, 8 p., Sept. 1964.
- Stulik, R. S.** *See* White, N. D. 01485
- 01866 **Subbotin, A. I.** Relationship between surface and underground waters and the use of well observations in river-flow forecasting: Internat. Assoc. Sci. Hydrology Pub. 63, p. 513-519, 1964.
- 00329 **Subrahmanyam, V. P.; Rao, B. S.; Subramaniam, A. R.** Moisture adequacy in relation to the distribution of some crops in India: Internat. Assoc. Sci. Hydrology Pub. 65, p. 462-467, 1964.
- Subramaniam, A. R.** *See* Subrahmanyam, V. P. 00329
- 00039 **Suess, M. J.** Surface area measurements and adsorption of soils: Am. Soc. Civil Engineers Proc. Paper 3841, Irrig. and Drainage Div. Jour., v. 90, no. IR 1, pt. 1, p. 87-108, Mar. 1964.
- 00056 **Suess, M. J.** Retardation of ABS in different aquifers: Am. Water Works Assoc. Jour., v. 56, no. 1, p. 89-91, Jan. 1964.
- 00453 **Suess, M. J.** ABS adsorption on soils: Water Pollution Control Federation Jour., v. 36, no. 11, p. 1393-1400, Nov. 1964.
- Sukalac, P. G.** *See* Hill, J. C. 02201
- Summers, P. W.** *See* Power, B. A. 01563
- 00670 **Summers, W. K.** Water-quality—what is it?: Driller, v. 38, no. 8, p. 20-21, Aug. 1964.
- 01747 **Summers, W. K.** The ups and downs of water: Driller, v. 38, no. 10, p. 24-26, Oct. 1964.
- Sun, P.-C. P.** *See* Criner, J. H. 00857
- Susag, R. H.** *See* Schroeffer, G. J. 00690
- 00456 **Suter, Max.** Effect of voids and permeability on ground-water flow condition: Water Works and Wastes Eng., v. 1, no. 2, p. 41-45, Feb. 1964.
- Sutherland, S. M.** *See* Doerr, A. H. 01792
- 02117 **Sutton, W. G.** The use of flood plains: Mil. Engineer, v. 56, no. 374, p. 414-416, Nov.-Dec. 1964.
- 00025 **Svore, J. H.** Sewage lagoons and man's environment: Civil Eng., v. 34, no. 9, p. 54-56, Sept. 1964.
- 00218 **Swain, F. M.; Venteris, Gunta; Ting, Francis.** Relative abundance and order of stability of amino acids in some aquatic plants and associated freshwater sediments: Jour. Sed. Petrology, v. 34, no. 1, p. 25-45, Mar. 1964.
- Swanson, R. H.** *See* Bergen, J. D. 00902

Swanson, W. S. *See* Hemphill, L. 01153

- 00292 **Swartzendruber, Dale; Gupta, R. P.** Possible role of methane in affecting the hydraulic conductivity of fine quartz sand: *Soil Sci.*, v. 98, no. 2, p. 73-77, Aug. 1964.

Swartzendruber, Dale. *See* Gupta, R. P. 00301

- 01614 **Swartzendruber, Dale.** Seepage into stratified water-saturated soil from idealized vertical mulch channels: *Soil Sci. Soc. America Proc.*, v. 28, no. 3, p. 314-317, May-June 1964.

- 00650 **Swenson, H. A.** Sediment in streams: *Jour. Soil and Water Conserv.*, v. 19, no. 6, p. 223-226, Nov.-Dec. 1964.

Swinderman, J. N. *See* Cartwright, Keros. 01369

- 01086 **Swisher, R. D.** LAS—major development in detergents: *Chem. Eng. Prog.*, v. 60, no. 12, p. 41-45, Dec. 1964.

- 02090 **Sylvester, R. O.; Anderson, G. C.** A lake's response to its environment: *Am. Soc. Civil Engineers Proc. Paper 3786, Sanitary Eng. Div. Jour.*, v. 90, no. SA 1, p. 1-22, Feb. 1964.

- 01629 **Szesztay, K.** Stage control of lakes in remote areas: *Internat. Assoc. Sci. Hydrology Pub.* 63, p. 261-268, 1964.

- 02246 **Szigyarto, Z.** The variability of the precipitation quantities of the periods equal to or longer than one month in Hungary: *Internat. Assoc. Sci. Hydrology Pub.* 65, p. 279-291, 1964.

- 01561 **Takeda, K.** An evidence of effects of dry-ice seeding on artificial precipitation: *Jour. Appl. Meteorology*, v. 3, no. 1, p. 111, Feb. 1964.

- 01134 **Talbot, J. S.; Beardon, P.** The deep well method of industrial waste disposal: *Chem. Eng. Prog.*, v. 60, no. 1, p. 49-52, Jan. 1964.

- 02247 **Talbott, W. J.** Flood control, *in* Oregon's water problems and future needs, State Water Resources Conference: Oregon Water Resources Board, Salem, Oreg., 1964, Proc., p. [A]73-[A]79, 1964.

- 00463 **Tanner, A. B.** Physical and chemical controls on distribution of radium-226 and radon-222 in ground water near Great Salt Lake, Utah, chap. 14, *in* Adams, J. A. S., and Lowder, W. M., eds., *The natural radiation environment*: Houston, Tex., William Marsh Rice Univ., p. 253-276, 1964.

Tanner, C. B. *See* Willey, C. R. 01166

- 00223 **Tanner, W. F.** Modification of sediment size distributions: *Jour. Sed. Petrology*, v. 34, no. 1, p. 156-164, Mar. 1964.

Tanski, Daniel. *See* Cushman, R. V. 00515

- 00326 **Tarble, R. D.** Areal distributions of snow as determined from satellite photographs: *Internat. Assoc. Sci. Hydrology Pub.* 65, p. 372-375, 1964.

- 00979 **Tarver, G. R.** Hydrology of the Biscayne aquifer in the Pompano Beach area, Broward County, Florida: *Florida Geol. Survey Rept. Inv.* 36, 47 p., tables, 1964.

Tash, J. C. *See* Angino, E. E. 01453

Taylor, A. M. *See* Mauchline, John. 01218

Taylor, A. M. *See* Mauchline, John. 01571

- 02032 **Taylor, C. T.** Chemical quality of Missouri surface water: Ro^{lla}, Missouri Dept. Public Health and Welfare, 28 p., 1964.
- 01876 **Taylor, E. F.** Recent developments in resources and utilities law: Am. Water Works Assoc. Jour., v. 56, no. 7, p. 863-880, July 1964.
- 00237 **Taylor, F. B.** Watershed sanitation: New England Water Works Assoc. Jour., v. 78, no. 1, p. 1-15, Mar. 1964.
- 01632 **Taylor, F. B.; Smith, H. F., Jr.; Coene, R. F.** Alternative sampling device for the carbon adsorption method: Am. Water Works Assoc. Jour., v. 56, no. 6, p. 774-780, June 1964.
- 00525 **Taylor, G. C., Jr.; Ghosh, P. K.** Artesian water in the Malabar Coastal Plain of southern Kerala, India: U.S. Geol. Survey Water-Supply Paper 1608-D, p. D1-D14, May 1964.
- Taylor, S. A.** See Abdel-Aziz, M. H. 00083
- 01365 **Taylor, S. A.; Cary, J. W.** Linear equations for the simultaneous flow of matter and energy in a continuous soil system: Soil Sci. Soc. America Proc., v. 28, no. 2, p. 167-172, Mar.-Apr. 1964.
- Taylor, S. A.** See Kijne, J. W. 01389
- Taylor, S. A.** See Cary, J. W. 01613
- 00365 **Taysi, I.; Van Uden, N.** Occurrence and population densities of yeast species in an estuarine-marine area: Limnology and Oceanography, v. 9, no. 1, p. 42-45, Jan. 1964.
- 01132 **Teletzke, G. H.** Wet air oxidation: Chem. Eng. Prog., v. 60, no. 1, p. 33-38, Jan. 1964.
- Templeton, W. L.** See Mauchline, J. 01937
- 01745 **Tennessee Valley Authority.** Daily discharges at TVA stream gages in the Tennessee River basin: Tennessee Valley Authority Hydraulic Data Br. Rept. 7, 71 p., 1964.
- 02033 **Tennessee Valley Authority.** Flood damage prevention, an indexed bibliography: Knoxville, Tenn., Tennessee Valley Authority, 30 p., 1964.
- 01234 **Terasmae, J.; Miryneck, E.** Postglacial chronology and the origin of deep lake basins in Prince Edward County, Ontario, in Conference on Great Lakes Research, 7th, Toronto, Canada, 1964, Proceedings: Michigan Univ. Great Lakes Research Div. Pub. 11, p. 161-170, 1964.
- 02135 **Terral, Rufus.** To kill a river: Bull. Atomic Scientists, v. 20, no. 7, p. 35-37, Sept. 1964.
- 01054 **Tetlow, J. A.; Wilson, A. L.** The absorptiometric determination of iron in boiler feed-water, Part 3—Method for determining the total iron content: Analyst, v. 89, no. 1060, p. 442-452, July 1964.
- 00473 **Texas A and M University.** (Water Resources Institute). Water quality and chemicals—industrial and agricultural: Water for Texas Conf., 9th, College Station, Tex., 1964, Proc., 62 p., 1964.
- 00401 **Texas Water Commission.** Rules, regulations and modes of procedure (1964 revision): Austin, Texas Water Comm., 147 p., Feb. 1964.
- 00834 **Texas Water Commission.** Publications of the Texas Water Commission as of December 31, 1964: Texas Water Comm. Circ. 64-03, 39 p., Dec. 1964.

- 01023 **Texas Water Commission.** Twenty-sixth report of the Texas Water Commission, covering the biennium September 1, 1962, to August 31, 1964: Austin, Texas Water Comm., 109 p., 1964.

Thews, J.-D. See Matthess, Georg. 00971

- 00429 **Thoman, J. R.; Traina, P. J.** Pollution control aspects of water resources development—the Federal role, in Krenkel, P. A., ed., Sanitary and Water Resources Engineering Conference, 3d, Nashville, Tennessee, 1964, Proceedings: Nashville, Vanderbilt Univ., Dept. Civil Eng., p. 34–39, 1964.

- 00896 **Thoman, J. R.** Pesticides—a hazard to water quality, in Water—development, utilization, conservation: Western Resources Conf., 5th, Colorado State Univ., 1963, Western Resources Papers, Boulder, Univ. Colorado Press, p. 21–29, 1964.

- 01852 **Thomann, R. V.; Sobel, M. J.** Estuarine water-quality management and forecasting: Am. Soc. Civil Engineers Proc. Paper 4116, Sanitary Eng. Div. Jour., v. 90, no. SA 5, p. 9–36, Oct. 1964.

- 00144 **Thomas, D. M.** Height–frequency relations for New Jersey floods, Art. 167 in Short papers in geology and hydrology: U.S. Geol. Survey Prof. Paper 475–D, p. D202–D203, Mar. 1964.

- 00231 **Thomas, D. M.** Flood–depth frequency in New Jersey: New Jersey Div. Water Policy and Supply Water Resources Circ. 14, 14 p., 1964.

- 00932 **Thomas, D. M.; Tice, R. H.** Floods on Raritan and Millstone Rivers in Somerset County, New Jersey: U.S. Geol. Survey Hydrol. Inv. Atlas HA–104, one sheet, Apr. 1964.

Thomas, D. M. See Bodhaine, G. L. 01252

- 02034 **Thomas, D. M.** Floods in New Jersey, magnitude and frequency: New Jersey Div. Water Policy and Supply Water Resources Circ. 13, 145 p., 1964.

- 00810 **Thomas, H. E.; Leopold, L. B.** Ground water in North America: Science, v. 143, no. 3610, p. 1001–1006, Mar. 1964.

- 00841 **Thomas, H. E.** Water resources, in Mineral and water resources of Nevada: U.S. 88th Cong., 2d sess., Senate Doc. 87, p. 273–314, 1964. (Also issued as Nevada Bur. Mines Bull. 65.)

Thomas, H. E. See Wilson, M. T. 01963

- 01712 **Thomas, J. F. J.** Surface water quality in major drainage basins and northern areas of Canada: Am. Water Works Assoc. Jour., v. 56, no. 9, p. 1173–1193, Sept. 1964.

- 01237 **Thomas, M. K.** A survey of Great Lakes snowfall, in Conference on Great Lakes Research, 7th, Toronto, Canada, 1964, Proceedings: Michigan Univ. Great Lakes Research Div. Pub. 11, p. 294–310, 1964.

Thomas, M. P. See Cushman, R. V. 00515

- 00043 **Thompson, C. B.** Irrigation water requirements in Texas: Am. Soc. Civil Engineers Proc. Paper 4040, Irrig. and Drainage Div. Jour., v. 90, no. IR 3, pt. 1, p. 17–40, Sept. 1964.

- 00106 **Thompson, J. R.** Quantitative effect of watershed variables on rate of gully-head advancement: Am. Soc. Agr. Engineers Trans. (Gen. Ed.), v. 7, no. 1, p. 54–55, Mar. 1964.

- 02145 **Thompson, M. W.** International water problems on the prairies: Eng. Jour., v. 47, no. 9, p. 35–38, Sept. 1964.

Thomson, J. See Egan, H. 02119

00855 **Thomson, M. T.** (and others). Historical floods in New England: U.S. Geol. Survey Water-Supply Paper 1779-M, p. M1-M105, Feb. 1964.

01883 **Thomson, M. T.; Langbein, W. B.** Principal Federal sources of hydrologic data in the United States of America: Internat. Assoc. Sci. Hydrology Bull., v. 9, no. 1, p. 95-107, Mar. 1964.

02248 **Thorn, G. D.; Minshall, W. H.** The effect of sodium dimethyldithiocarbamate on water uptake, transpiration, and stomatal opening: Canadian Jour. Botany, v. 42, no. 10, p. 1405-1410, Oct. 1964.

00189 **Thronson, R. E.; Mosley, J. C.** Water well standards, Alameda County: California Dept. Water Resources Bull. 74-2, 63 p., App. A-C, June 1964.

Tice, R. H. See Thomas, D. M. 00932

01923 **Tilden, P. M.** The water problem in Everglades National Park, part 1: Natl. Parks Mag., v. 38, no. 197, p. 4-9, Feb. 1964.

01924 **Tilden, P. M.** The water problem in Everglades National Park, part 2: Natl. Parks Mag., v. 38, no. 198, p. 8-11, Mar. 1964.

00815 **Timur, A.; Fatt, I.** Fluid flow in porous media studied by a magnetic resonance technique: Science, v. 146, no. 3648, p. 1162, Nov. 1964.

01216 **Tindall, D. R.; Minckley, W. L.** An integrated application of three kinds of sampling techniques to stream limnology: Limnology and Oceanography, v. 9, no. 2, p. 270-272, Apr. 1964.

Ting, Francis. See Swain, F. M. 00218

01433 **Tippett, Roger.** An investigation into the nature of the layering of deep-water sediments in two eastern Ontario lakes: Canadian Jour. Botany, v. 42, no. 12, p. 1693-1710, Dec. 1964.

00089 **Tisdell, F. W.** Water supply from ground water sources in permafrost areas of Alaska, in Dahlgren, George, ed., Science in Alaska, 1963: Am. Assoc. Adv. Sci. Alaskan Sci. Conf., 14th, Anchorage, 1963, Proc., p. 113-124, Jan. 1964.

Todd, D. K. See Ho, Kuo-Toh. 00006

02035 **Todd, D. K.** Groundwater, sec. 13, in Chow, V. T., ed., Handbook of applied hydrology: New York, McGraw-Hill, p. 13-1 to 13-55, 1964.

03011 **Todd, D. K.** Economics of ground water recharge by nuclear and conventional means: California Univ. Lawrence Radiation Lab. [Pub.] UCRL-7850, 135 p., Feb. 1964.

00967 **Toler, L. G.; Musgrove, R. H.; Foster, J. B.** Freshening of Deer Point Lake, Bay County, Florida: Am. Water Works Assoc. Jour., v. 56, no. 8, p. 984-990, Aug. 1964.

Tomlinson, H. D. See Kantawala, Deepak. 01402

Tongudai, M. See Riley, J. P. 01091

01929 **Toombs, G. L.; Bailey, J. G.** Radiological survey of the lower Columbia River in Oregon, January 1962-July 1963: Radiolog. Health Data, v. 5, no. 8, p. 395-400, Aug. 1964.

00440 **Towne, W. W.; Hirsch, Allan; Agee, J. L.** Water management planning for the Columbia River basin: Water Pollution Control Federation Jour., v. 36, no. 3, p. 380-394, Mar. 1964.

Traina, P. J. See Thoman, J. R. 00429

- 00177 **Trainer, F. W.; Eddy, J. E.** A periscope for the study of borehole wells, and its use in ground-water studies in Niagara County, New York, in *Geological Survey Research 1964*, Chapter D: U.S. Geol. Survey Prof. Paper 501-D, p. D203-D206, 1964. [Sept. 1965.]

Trainer, F. W. See Cederstrom, D. J. 00563

- 02249 **Trantina, J. A.; Cluff, L. S.** "NX" bore-hole camera, in *Symposium on soil exploration*: Am. Soc. Testing and Materials Spec. Tech. Pub. 351, p. 108-117, 1964.

- 01112 **Trauger, F. D.; Bushman, F. X.** Geology and ground water in the vicinity of Tucumcari, Quay County, New Mexico: New Mexico State Engineer Tech. Rept. 30, 178 p., 1964.

- 01544 **Travis, W. I.; Waite, H. A.; Santos, J. F.** Water resources, *chap. in* Mineral and water resources of Idaho: U.S. 88th Cong., 2d sess., Senate Comm. Interior and Insular Affairs Comm. Print, p. 255-335, 1964. (Also issued as Idaho Bur. Mines and Geology Spec. Rept. 1.)

- 02036 **Trelease, F. J.** Water law, sec. 27, in *Chow, V. T., ed., Handbook of applied hydrology*: New York, McGraw-Hill, p. 27-1 to 27-37, 1964.

- 00182 **Troxler, W. F.** Calibration of nuclear meters for measuring moisture and density, in *Symposium on soil exploration*: Am. Soc. Testing and Materials Spec. Tech. Pub. 351, p. 29-41, 1964.

Truitt, N. E. See Russell, D. G. 00748

Trump, R. P. See Milne, I. H. 01459

Truxes, L. S. See Ward, P. E. 01368

- 01837 **Tuckfield, C. G.** Gully erosion in the New Forest, Hampshire [England]: *Am. Jour. Sci.*, v. 262, no. 6, p. 795-807, June 1964.

Turekian, K. K. See Bolter, Ernst. 01741

Turk, L. J. See Davis, S. N. 02163

- 01601 **Turner, R.; Wiersma, Dan.** Determining evapotranspiration rates and soil moisture levels with climatological data: *Indiana Acad. Sci. Proc.*, v. 73, p. 244-248, 1964.

- 00821 **Turner, S.F. (and others).** Geology and ground-water resources of the Winter Garden District of Texas: *South Texas Geol. Soc. Bull.*, v. 4, no. 10, p. 8-32, May 1964.

Twenter, F. R. See Stulik, R. S. 00858

- 00671 **Twort, A. C.** A textbook of water supply: New York, Elsevier, 430 p., 1964.

- 00777 **Tyson, H. N., Jr.; Weber, E. M.** Ground-water management for the nation's future—computer simulation of ground-water basins: *Am. Soc. Civil Engineers Proc. Paper 3973*, Hydraulics Div. Jour., v. 90, no. HY 4, p. 59-77, July 1964.

- 01880 **Ubell, K.** Surface- and ground-water relationships along the Hungarian reach of the Danube River: *Internat. Assoc. Sci. Hydrology Pub.* 63, p. 502-512, 1964.

- 01354 **Underhill, H.W.; Atherton, M. J.** A coastal ground-water study in Libya and a discussion of a double pumping technique: *Jour. Hydrology [Amsterdam]*, v. 2, no. 1, p. 52-64, 1964.

- 01942 **United Nations.** (Economic Commission for Asia and the Far East). **Regional Symposium on Flood Control, Reclamation, Utilization and Development of Deltaic Areas**, Bangkok, Thailand, July 2-9, 1963, **Proceedings: United Nations Water Resources Ser. No. 25, 224 p., 1963. [1964.]**
- 01943 **United Nations.** (Economic Commission for Asia and the Far East). **Manual of standards and criteria for planning water resource projects: United Nations Water Resources Ser. No. 26, 53 p., 1964.**
- 02037 **United Nations.** (Water Resources Development Centre). **Proposals for a priority programme of co-ordinated action in the field of water resources within the framework of the United Nations Development Decade: United Nations Econ. and Social Council, 37th sess., Agenda Item 14(a), 41 p.; Annex I, 46 p.; Annex II, 21 p.; Mar. 1964.**
- 02114 **United Nations.** (Economic Commission for Asia and the Far East). **Regional Seminar on Development of Groundwater Resources with Special Reference to Deltaic Areas**, Bangkok, Thailand, April 24-May 8, 1962, **Transactions: United Nations Water Resources Ser. No. 24, 244 p., 1963. [1964.]**
- 02137 **United Nations.** (Food and Agriculture Organization, Legislation Research Branch). **Groundwater legislation in Europe: United Nations Food and Agriculture Organization, FAO Legislative Ser. No. 5, 175 p., 1964.**
- 00275 **Upper Colorado River Commission.** **Sixteenth annual report of the Upper Colorado River Commission: Salt Lake City, Utah, 177 p., Sept. 1964.**
- 00505 **Upson, J. E.; Spencer, C. W.** **Bedrock valleys of the New England coast as related to fluctuations of sea level: U.S. Geol. Survey Prof. Paper 454-M, p. M1-M44, Sept. 1964.**
- 01838 **Upson, J. E.; Leopold, E. B.; Rubin, Meyer.** **Postglacial change of sea level in New Haven harbor, Connecticut: Am. Jour. Sci., v. 262, no. 2, p. 121-132, Jan. 1964.**
- 01634 **Urban, Jaroslav.** **Variability of average discharge: Internat. Assoc. Sci. Hydrology Pub. 63, p. 306-316, 1964.**
- 00256 **U.S. Army Corps of Engineers.** **Annual report of the Chief of Engineers, U.S. Army, on civil works activities, 1964, volume 2: Washington, D. C., U.S. Govt. Printing Office, 1759 p., 1964.**
- 00498 **U.S. Army Corps of Engineers.** **Interim hurricane survey of Washington, D. C., metropolitan area: U.S. 88th Cong., 2d sess., House Doc. 321, 41 p., July 1964.**
- 01010 **U.S. Army Corps of Engineers.** **Report on an interim hurricane survey of Garden Creek, Mathews County, Virginia: U.S. 88th Cong., 2d sess., House Doc. 216, 24 p., 1964.**
- 01011 **U.S. Army Corps of Engineers.** **Report on an interim hurricane survey of south shore of Chesapeake Bay from Hampton Roads to Little Creek, Virginia: U.S. 88th Cong., 2d sess., House Doc. 215, 48 p., 1964.**
- 01171 **U.S. Army Corps of Engineers.** **Big Sioux River and tributaries, Iowa and South Dakota: U.S. 88th Cong., 2d sess., House Doc. 199, 116 p., May 1964.**
- 01174 **U.S. Army Corps of Engineers.** **Report on an interim hurricane survey of Fort Lauderdale, Florida: U.S. 88th Cong., 2d sess., House Doc. 217, 54 p., 1964.**
- 01175 **U.S. Army Corps of Engineers.** **Zumbro River, Minnesota: U.S. 88th Cong., 2d sess., House Doc. 246, 34 p., Mar. 1964.**

134 BIBLIOGRAPHY OF HYDROLOGY, 1964

- 01176 **U.S. Army Corps of Engineers.** Report on an interim hurricane survey of middle and lower peninsulas of Virginia: U.S. 88th Cong., 2d sess., House Doc. 288, 46 p., 1964.
- 01177 **U.S. Army Corps of Engineers.** Report on an interim hurricane survey of Atlantic City, New Jersey: U.S. 88th Cong., 2d sess., House Doc. 298, 119 p., 1964.
- 01178 **U.S. Army Corps of Engineers.** Chartiers Creek basin, Pennsylvania: U.S. 88th Cong., 2d sess., House Doc. 302, 125 p., May 1964.
- 01179 **U.S. Army Corps of Engineers.** Indian Bend Wash, Gila River basin, Arizona: U.S. 88th Cong., 2d sess., House Doc. 303, 94 p., May 1964.
- 01180 **U.S. Army Corps of Engineers.** Housatonic River, Connecticut, Massachusetts, and New York: U.S. 88th Cong., 2d sess., House Doc. 324, 67 p., July 1964.
- 01181 **U.S. Army Corps of Engineers.** Bayou La Batre, Alabama: U.S. 88th Cong., 2d sess., House Doc. 327, 33 p., July 1964.
- 01182 **U.S. Army Corps of Engineers.** Ouachita River, Monroe, Louisiana: U.S. 88th Cong., 2d sess., House Doc. 328, 96 p., July 1964.
- 01183 **U.S. Army Corps of Engineers.** East St. Louis and vicinity, Illinois (East Side Levee and Sanitary District): U.S. 88th Cong., 2d sess., House Doc. 329, 191 p., July 1964.
- 01184 **U.S. Army Corps of Engineers.** Report on an interim hurricane survey of Delaware River and Bay, Pennsylvania, New Jersey, and Delaware: U.S. 88th Cong., 2d sess., House Doc. 348, 122 p., 1964.
- 01185 **U.S. Army Corps of Engineers.** Report on an interim hurricane survey of tidewater portions of the Patuxent, Potomac, and Rappahannock Rivers including adjacent Chesapeake Bay shoreline: U.S. 88th Cong., 2d sess., House Doc. 350, 61 p., 1964.
- 01186 **U.S. Army Corps of Engineers.** Kaskaskia River levee, Illinois: U.S. 88th Cong., 2d sess., House Doc. 351, 19 p., Aug. 1964.
- 01189 **U.S. Army Corps of Engineers.** Little Colorado River, Winslow, Arizona: U.S. 88th Cong., 2d sess., Senate Doc. 63, 105 p., Apr. 1964.
- 01384 **U.S. Army Corps of Engineers.** Report on an interim hurricane survey of Stratford, Connecticut: U.S. 88th Cong., 2d sess., House Doc. 292, 86 p., 1964.
- 01430 **U.S. Army Corps of Engineers.** Maniece Bayou, Arkansas [report on cost sharing for flood control project]: U.S. 88th Cong., 2d sess., House Doc. 320, 3 p., 1964.
- 01530 **U.S. Army Corps of Engineers.** Record of public hearing on Potomac River basin report held in Departmental Auditorium, Washington, D. C., Sept. 4, 1963: Washington, D. C., U.S. Board of Engineers for Rivers and Harbors, 3 v., 1964.
- 01545 **U.S. Army Corps of Engineers.** Interim report no. 7—Yukon and Kuskokwim River basins, Alaska: U.S. 88th Cong., 2d sess., House Doc. 218, 248 p., Feb. 1964.
- 01722 **U.S. Army Corps of Engineers.** Sedimentation in Harlan County Reservoir, Republican River, Nebraska: Kansas City, Mo., U.S. Army Engineer Dist., 27 p., 52 pls., July 1963.
- 01815 **U.S. Army Corps of Engineers.** Meramec River, Missouri—comprehensive basin study: St. Louis, Mo., U.S. Army Engineer Dist., 8 v., 1964.
- 01826 **U.S. Army Corps of Engineers.** Rocky River harbor, Ohio: U.S. 88th Cong., 2d sess., House Doc. 352, 58 p., Aug. 1964.

- 02038 **U.S. Army Corps of Engineers.** Mississippi River and tributaries project: U.S. 88th Cong., 2d sess., House Doc. 308 (in 6 v.), 1964.
- 03025 **U.S. Army Corps of Engineers.** Simulation of monthly runoff: U.S. Army Corps Engineers, Hydrol. Eng. Center Tech. Bull. 1, 10 p., 5 tables, 3 app., Nov. 1964.
- 01129 **U.S. Atomic Energy Commission.** Engineering with nuclear explosives—Plowshare Symposium, 3d, Davis, California, April 21–23, 1964. Proceedings: U.S. Atomic Energy Comm. Div. Tech. Inf. [Pub.] TID-7695, 396 p., 1964.
- 01009 **U.S. Bureau of Reclamation.** Tualatin project, Oregon—report of Secretary of Interior to House Committee on Interior and Insular Affairs: U.S. 88th Cong., 2d sess., House Doc. 295, 196 p., 1964.
- 01170 **U.S. Bureau of Reclamation.** Auburn–Folsom South unit, Central Valley project, California—a supplemental evaluation of the Auburn–Folsom South unit: U.S. 88th Cong., 1st sess., House Doc. 171, 171 p., 1964.
- 01172 **U.S. Bureau of Reclamation.** Merlin division, Rogue River basin project, Oregon—report to the House Committee on Interior and Insular Affairs: U.S. 88th Cong., 2d sess., House Doc. 202, 94 p., Jan. 1964.
- 01173 **U.S. Bureau of Reclamation.** Lower Teton division, Teton Basin project, Idaho: U.S. 88th Cong., 2d sess., House Doc. 208, 100 p., 1964.
- 01383 **U.S. Bureau of Reclamation.** Kennewick division extension, Yakima project, Washington: U.S. 88th Cong., 2d sess., House Doc. 296, 103 p., 1964.
- 01582 **U.S. Bureau of Reclamation.** The story of the Columbia basin project: Washington, D.C., U.S. Bur. Reclamation, 60 p., 1964.
- 01798 **U.S. Bureau of Reclamation.** Colorado River storage project: Denver, Colo., U.S. Bur. Reclamation, unpagd, 1964.
- 02039 **U.S. Bureau of Reclamation.** Water resources development in South Dakota, *in* Mineral and water resources of South Dakota: U.S. 88th Cong., 2d sess., Senate Comm. Interior and Insular Affairs Comm. Print, p. 213–295, 1964.
- 02250 **U.S. Bureau of Reclamation.** Chelan division, Chief Joseph Dam project, Washington: U.S. 88th Cong., 2d sess., House Doc. 232, 110 p., Feb. 1964.
- 01187 **U.S. Congress, House.** (Committee on Public Works). Federal Water Pollution Control Act amendments: U.S. 88th Cong., 2d sess., House Rept. 1885, 29 p., 1964.
- 01382 **U.S. Congress, House.** (Committee on Interior and Insular Affairs). Establishing water resources research centers at land-grant colleges and State universities and promoting a more adequate national program of water research: U.S. 88th Cong., 2d sess., House Rept. 1136, 25 p., 1964.
- 01583 **U.S. Congress, House.** Water pollution control and abatement (Parts 1A and 1B—National Survey) — Hearings before Subcommittee of the Committee on Government Operations: Washington, D.C., U.S. 88th Cong., 1st sess., 1841 p., 1964.
- 01806 **U.S. Congress, House.** (Committee on Public Works). Water Pollution Control Act Amendments, hearings: U.S. 88th Cong., 1st and 2d sess., House Comm. Public Works Comm. Print, 949 p., 1964.
- 01926 **U.S. Congress, House.** (Committee on Public Works). Appalachian Regional Development Act of 1964: Washington, D.C., U.S. 88th Cong., 2d sess., 738 p., 1964.
- 00568 **U.S. Congress, Senate.** (Committee on Public Works, Special Subcommittee on Western Water Development). Western water development—a summary of water

- resources projects, plans and studies relating to Western and Midwestern United States: U.S. 88th Cong., 2d sess., Senate Comm. Public Works Comm. Print, 56 p., Oct. 1964.
- 02001 **U.S. Congress, Senate.** (Committee on Interior and Insular Affairs). Federal-State water rights — Hearings before the Committee on Interior and Insular Affairs Subcommittee on Irrigation and Reclamation: Washington, D. C., U.S. 88th Cong., 2d sess., Senate, 361 p., Mar. 1964.
- 00415 **U.S. Department of Agriculture.** Water and related land resources, lower Willamette River basin, Oregon: Portland, Oreg., U.S. Dept. Agriculture, 149 p., Sept. 1963.
- 00416 **U.S. Department of Agriculture.** Water and related land resources, middle coast drainage basin, Oregon: Portland, Oreg., U.S. Dept. Agriculture, 138 p., Sept. 1964.
- 00417 **U.S. Department of Agriculture.** Water and related land resources, Hood drainage basin, Oregon: Portland, Oreg., U.S. Dept. Agriculture, 122 p., Feb. 1964.
- 01108 **U.S. Department of Agriculture.** Elko Reach: Nevada Dept. Conserv. and Nat. Resources, Water and Related Land Resources, Humboldt River Basin Rept. No. 7, 85 p., Apr. 1964.
- 01109 **U.S. Department of Agriculture.** Reese River sub-basin: Nevada Dept. Conserv. and Nat. Resources, Water and Related Land Resources, Humboldt River Basin Rept. No. 8, 127 p., June 1964.
- 01110 **U.S. Department of Agriculture.** Battle Mountain sub-basin: Nevada Dept. Conserv. and Nat. Resources, Water and Related Land Resources, Humboldt River Basin Rept. No. 9, 95 p., Oct. 1964.
- 02252 **U.S. Department of Agriculture.** A summary of current program 4/1/64 and preliminary report of progress for 4/1/63 to 3/31/64: Washington, D. C., U.S. Dept. Agriculture Soil and Water Conserv. Div., 200 p., July 1964.
- 00420 **U.S. Department of the Interior.** Natural resources of Oregon: Washington, D.C., U.S. Govt. Printing Office, 68 p., 1964.
- 00471 **U.S. Department of the Interior.** Natural resources of West Virginia: Washington, D.C., U.S. Govt. Printing Office, 64 p., 1964.
- 02004 **U.S. Department of the Interior.** Natural resources of Massachusetts: Washington, D. C., U.S. Govt. Printing Office, 65 p., 1964.
- 02005 **U.S. Department of the Interior.** Natural resources of New Mexico: Washington, D. C., U.S. Govt. Printing Office, 68 p., 1964.
- 02008 **U.S. Department of the Interior.** Natural resources of Montana: Washington, D. C., U.S. Govt. Printing Office, 68 p., 1964.
- 02015 **U.S. Department of the Interior.** Natural resources of Nevada: Washington, D. C., U.S. Govt. Printing Office, 64 p., 1964.
- 00255 **U.S. Federal Power Commission.** Hydroelectric power resources of the United States, developed and undeveloped, January 1, 1964: Washington, D. C., U.S. Federal Power Comm., 159 p., Nov. 1964.
- 02023 **U.S. Forest Service.** Forest and range influences publications, 1905-1963: Washington, D.C., U.S. Forest Service, sec. pagination, Nov. 1964.
- 00210 **U.S. Geological Survey.** Index to water resources data-collection stations in Florida, 1961: Florida Geol. Survey Spec. Pub. 11, 166 p., 1964.
- 00248 **U.S. Geological Survey.** (and California Dept. Water Resources). Alameda Creek watershed above Niles—chemical quality of surface water, waste discharges,

- and ground water: Sacramento, California Dept. Water Resources, 122 p., App. A-K, Jan. 1964.
- 00552 **U.S. Geological Survey.** Compilation of records of surface waters of Alaska, October 1950 to September 1960: U.S. Geol. Survey Water-Supply Paper 1740, 86 p., Nov. 1964.
- 00863 **U.S. Geological Survey.** Ground-water levels in the United States, 1957-61, North-central States: U.S. Geol. Survey Water-Supply Paper 1781, 148 p., Nov. 1964.
- 00912 **U.S. Geological Survey.** Compilation of records of surface waters of the United States, October 1950 to September 1960, Part 6-B — Missouri River basin below Sioux City, Iowa: U.S. Geol. Survey Water-Supply Paper 1730, 514 p., Aug. 1964.
- 00956 **U.S. Geological Survey.** Compilation of records of surface waters of the United States, October 1950 to September 1960, Part 2-B—South Atlantic slope and eastern Gulf of Mexico basins, Ogeechee River to Pearl River: U.S. Geol. Survey Water-Supply Paper 1724, 458 p., 1963. [May 1964.]
- 01005 **U.S. Geological Survey.** Compilation of records of surface waters of the United States, October 1950 to September 1960, Part 6-A — Missouri River basin above Sioux City, Iowa: U.S. Geol. Survey Water-Supply Paper 1729, 507 p., July 1964.
- 01006 **U.S. Geological Survey.** Compilation of records of surface waters of the United States, October 1950 to September 1960, Part 2-A — South Atlantic slope basins, James River to Savannah River: U.S. Geol. Survey Water-Supply Paper 1723, 303 p., Sept. 1964.
- 01007 **U.S. Geological Survey.** Compilation of records of surface waters of the United States, October 1950 to September 1960, Part 1-A — North Atlantic slope basins, Maine to Connecticut: U.S. Geol. Survey Water-Supply Paper 1721, 317 p., July 1964.
- 01021 **U.S. Geological Survey.** Miscellaneous stream-flow measurements in the State of Washington, 1890 to January, 1961: Washington [State] Div. Water Resources Water-Supply Bull. 23, 292 p., 1964.
- 01200 **U.S. Geological Survey.** Geological Survey research 1963, short papers in geology and hydrology, articles 122-172: U.S. Geol. Survey Prof. Paper 475-D, p. D1-D222, Mar. 1964.
- 01201 **U.S. Geological Survey.** Geological Survey research 1964, chapter A: U.S. Geol. Survey Prof. Paper 501-A, p. A1-A367, Nov. 1964.
- 01202 **U.S. Geological Survey.** Geological Survey research 1964, chapter B: U.S. Geol. Survey Prof. Paper 501-B, p. B1-B190, June 1964.
- 01203 **U.S. Geological Survey.** Geological Survey research 1964, chapter C: U.S. Geol. Survey Prof. Paper 501-C, p. C1-C196, Oct. 1964.
- 01205 **U.S. Geological Survey.** Summary of floods in the United States during 1956: U.S. Geol. Survey Water-Supply Paper 1530, 85 p., Jan. 1964. (Prepared under the direction of E. L. Hendricks, Chief, Surface Water, Floods of 1956.)
- 01209 **U.S. Geological Survey.** Compilation of records of surface waters of the United States, October 1950 to September 1960, Part 7 — Lower Mississippi River basin: U.S. Geol. Survey Water-Supply Paper 1731, 552 p., Aug. 1964.
- 01210 **U.S. Geological Survey.** Compilation of records of surface waters of the United States, October 1950 to September 1960, Part 11 — Pacific slope basins in California: U.S. Geol. Survey Water-Supply Paper 1735, 715 p., Oct. 1964.
- 01211 **U.S. Geological Survey.** Summary of floods in the United States during 1959: U.S. Geol. Survey Water-Supply Paper 1750-B, p. B1-B101, Aug. 1964.

- 01248 **U.S. Geological Survey.** Chemical and physical character of municipal water supplies in North Carolina: North Carolina Div. Stream Sanitation and Hydrology Bull. 2, Supp. 2, 36 p., 1964.
- 01294 **U.S. Geological Survey.** Floods of January–February 1957 in southeastern Kentucky and adjacent areas: U.S. Geol. Survey Water–Supply Paper 1652–A, p. A1–A195, Mar. 1964.
- 01303 **U.S. Geological Survey.** Compilation of records of surface waters of the United States, October 1950 to September 1960, Part 1–B — North Atlantic slope basins, New York to York River: U.S. Geol. Survey Water–Supply Paper 1722, 578 p., Sept. 1964.
- 01312 **U.S. Geological Survey.** Compilation of records of surface waters of the United States, October 1950 to September 1960, Part 8 — Western Gulf of Mexico basins: U.S. Geol. Survey Water–Supply Paper 1732, 574 p., June 1964.
- 01322 **U.S. Geological Survey.** Floods of January–February 1959 in Ohio and adjacent states: U.S. Geol. Survey Water–Supply Paper 1750–A, p. A1–A296, June 1964.
- 01379 **U.S. Geological Survey.** Compilation of records of surface waters of the United States, October 1950 to September 1960, Part 12 — Pacific slope basins in Washington and upper Columbia River basin: U.S. Geol. Survey Water–Supply Paper 1736, 415 p., July 1964.
- 01436 **U.S. Geological Survey.** Geological Survey research 1964, chapter D: U.S. Geol. Survey Prof. Paper 501–D, p. D1–D208, 1964. [Feb. 1965.]
- 01788 **U.S. Geological Survey.** Mineral and water resources of Idaho: U.S. 88th Cong., 2d sess., Senate Comm. Interior and Insular Affairs Comm. Print, 335 p., 1964. (Also issued as Idaho Bur. Mines and Geology Spec. Rept. 1.)
- 02040 **U.S. Geological Survey.** Compilation of records of surface waters of the United States, October 1950 to September 1960, Part 3–A — Ohio River except Cumberland and Tennessee River basins: U.S. Geol. Survey Water–Supply Paper 1725, 560 p., May 1964.
- 02041 **U.S. Geological Survey.** Compilation of records of surface waters of the United States, October 1950 to September 1960, Part 3–B — Cumberland and Tennessee River basins: U.S. Geol. Survey Water–Supply Paper 1726, 269 p., Aug. 1964.
- 02042 **U.S. Geological Survey.** Compilation of records of surface waters of the United States, October 1950 to September 1960, Part 4 — St. Lawrence River basin: U.S. Geol. Survey Water–Supply Paper 1727, 379 p., Sept. 1964.
- 02043 **U.S. Geological Survey.** Compilation of records of surface waters of the United States, October 1950 to September 1960, Part 9 — Colorado River basin: U.S. Geol. Survey Water–Supply Paper 1733, 586 p., Aug. 1964.
- 02044 **U.S. Geological Survey.** Compilation of records of surface waters of Hawaii, July 1950 to June 1960: U.S. Geol. Survey Water–Supply Paper 1739, 136 p., Oct. 1964.
- 02086 **U.S. Geological Survey.** Compilation of records of surface waters of the United States, October 1950 to September 1960, Part 5 — Hudson Bay and upper Mississippi River basins: U.S. Geol. Survey Water–Supply Paper 1728, 576 p., Aug. 1964.
- 02122 **U.S. Inter–Agency Committee.** (on Water Resources, Subcommittee on Sedimentation). A study of methods used in measurement and analysis of sediment load in streams, Report R—Electronic sensing of sediment: Minneapolis, Minn., Univ. Minnesota St. Anthony Falls Hydraulic Lab., Federal Inter–Agency Sedimentation Proj., 80 p., Dec. 1964.

- 02024 **U.S. Library of Congress.** (Science and Technology Division). Bibliography on snow, ice, and permafrost, with abstracts: U.S. Army Cold Regions Research and Eng. Lab. CRREL Rept. 12, v. 18, 273 p., June 1964.
- 02115 **U.S. Library of Congress.** (Science and Technology Division). Bibliography on snow, ice and permafrost, with abstracts—cumulative index, v. 1-17: U.S. Army Cold Regions Research and Eng. Lab. CRREL Rept. 12, cumulative index, 256 p., June 1964.
- 02251 **U.S. Lower Colorado River.** (Land Use Advisory Committee). The Lower Colorado River land use plan: Washington, D.C., U.S. Dept. Interior, 187 p., Jan. 1964.
- 00930 **U.S. Mississippi River Commission.** (and U.S. Army Engineer Division, Lower Mississippi Valley). Flood control in the lower Mississippi River valley: Vicksburg, Miss., U.S. Mississippi River Comm. and U.S. Army Engineer Div., Lower Mississippi Valley, 20 p., app., Feb. 1964.
- 01944 **U.S. Mississippi River Commission.** Stages and discharges of the Mississippi River and its outlets and tributaries, 1963: Vicksburg, Miss., U.S. Army Engineer Dist., 273 p., 1964.
- 00423 **U.S. Public Health Service.** (Division of Water Supply and Pollution Control). Focus on clean water—an action program for community organizations: U.S. Public Health Service Pub. 1184, 35 p., July 1964.
- 01399 **U.S. Public Health Service.** Municipal water facilities, communities of 25,000 population and over, as of January 1, 1964: U.S. Public Health Service Pub. 661 (1964 ed.), 168 p., 1964.
- 01420 **U.S. Public Health Service.** Public Health Service water pollution surveillance system—annual compilation of data, Oct. 1, 1962–Sept. 30, 1963: U.S. Public Health Service Pub. 663 (1963 ed.), 11 v., 1963.
- 01585 **U.S. Public Health Service.** Statistical summary of municipal water facilities, communities of 25,000 population and over, as of January 1, 1964: Washington, D.C., U.S. Public Health Service, Div. Water Supply and Pollution Control, 42 p., 1964.
- 01932 **U.S. Public Health Service.** Radioactivity in surface waters of the United States [monthly data, July 1963–June 1964]: Radiolog. Health Data, v. 5, nos. 1–12, Jan.–Dec. 1964.
- 03002 **U.S. Public Health Service.** (Division of Water Supply and Pollution Control). Arkansas–Red River basins water quality conservation, *with* Appendices [in 3 volumes]: Washington, D. C., U.S. Div. Water Supply and Pollution Control, 71 p.; app., 3 v., sec. pagination; June 1964.
- 02253 **U.S. Weather Bureau.** Frequency of maximum water equivalent of March snow cover in North Central United States: U.S. Weather Bur. Tech. Paper 50, 24 p., 1964.
- 01631 **Utah State University.** Summary of surface water records in Utah in 1960: Salt Lake City, Utah Water and Power Board, 30 p., Sept. 1963. [Cover title: Developing a state water plan, summary of surface water records in Utah.]
- Valantine, V. E.** See Fowler, L. C. 00379
- Valdes, Remigio.** See Levi, Enzo. 00353
- 02016 **Valembos, J.; Daubert, A.** The calculation of currents in the Carnote Canal between the Etang de Barre and the Mediterranean Sea: Jour. Hydraulic Research, v. 1, no. 1, p. 20–33, 1963.

- 00778 **Valentine, V. E.** Ground-water management for the nation's future—effecting optimum ground-water basin management: Am. Soc. Civil Engineers Proc. Paper 3981, Hydraulics Div. Jour., v. 90, no. HY 4, p. 98–105, July 1964.
- 00773 **Vallentine, H. R.** Characteristics of the backwater curve: Am. Soc. Civil Engineers Proc. Paper 3964, Hydraulics Div. Jour., v. 90, no. HY 4, p. 29–49, July 1964.
- 01714 **Valliant, James.** Artificial recharge of surface water to the Ogallala formation in the High Plains of Texas: Ground Water, v. 2, no. 2, p. 42–45, Apr. 1964.
- Van Bavel, C. H. M.** See Reginato, R. J. 01163
- van de Cappelle, G. L.** See Janssens, A. A. 01901
- 00207 **van de Erve, Jerry.** Report of the U.S. Weather Bureau, Department of Commerce, in Nevada Water Conference, 18th, Carson City, 1964, Proceedings: Carson City, Nevada Dept. Conserv. and Nat. Resources, p. 113–114, 1964.
- 00328 **van der Burgh, P.** Experiences in measuring soil moisture content by neutron logging: Internat. Assoc. Sci. Hydrology Pub. 65, p. 432–439, 1964.
- van Everdingen, R. O.** See Scott, J. S. 00874
- 01799 **van Everdingen, R. O.** Distortion of groundwater flow-patterns in sections with exaggerated vertical scale: Jour. Hydrology [Amsterdam], v. 2, no. 1, p. 11–14, 1964.
- 01324 **Van Eyden, W. A. A.; Kuper, H. W.; Santema, P.** Some methods used in the geohydrological survey of the south-western deltaic area in the Netherlands: Internat. Assoc. Sci. Hydrology Pub. 63, p. 528–557, 1964.
- Van Eyden, W. A. A.** See Santema, P. 01326
- 01405 **Van Hall, C. E.; Stenger, V. A.** Use of infrared analyzer for total carbon determination: Water and Sewage Works, v. 111, no. 6, p. 266–270, June 1964.
- 01982 **Van Reenan, E. D.** Subsurface exploration by sonar seismic systems, in Symposium on soil exploration: Am. Soc. Testing and Materials Spec. Tech. Pub. 351, p. 60–73, 1964.
- van Schilfgaarde, J.** See Snell, A. W. 01845
- Van Uden, N.** See Taysi, I. 00365
- 02254 **van Wijk, M. C.** Discussion of "Water depths from aerial photographs," by G. C. Tewinkel (Photogramm. Eng., v. 29, no. 6, p. 1037–1042, Nov. 1963): Photogramm. Eng., v. 30, no. 4, p. 647, July 1964.
- 01898 **van Wijngaarden, H.** The measurement of water-discharge on the integration method: Internat. Assoc. Sci. Hydrology Pub. 65, p. 398–416, 1964.
- 00830 **Vandertulip, J. J.; McDaniels, L. L.; Rucker, C. O.** Water-supply limitations on irrigation from the Rio Grande in Starr, Hidalgo, Cameron, and Willacy Counties, Texas: Texas Water Comm. Bull. 6413, 72 p., Nov. 1964.
- Vanesche, H. L.** See Voegelé, F. A. 01671
- 00003 **Vanoni, V. A.** Measurements of critical shear stress for entraining fine sediments in a boundary layer: California Inst. Technology, W. M. Keck Lab. Hydraulics and Water Resources Rept. KH-R-7, 47 p., May 1964.
- 00251 **Varnedoe, W. W., Jr.** The formation of an extensive maze cave in Alabama: Alabama Acad. Sci. Jour., v. 35, no. 4, p. 143–148, Oct. 1964.

Vas, S. F. *See* Jaselskis, Bruno. 00798

- 00458 Vaseen, V. A. Ground water—supply and control: *Water Works and Wastes Eng.*, v. 1, no. 12, p. 38–39, Dec. 1964.

Vaudrey, W. C. *See* Hoffard, S. H. 00216

- 01260 Vaudrey, W. C. An investigation of floods in Hawaii, through June 30, 1963: *Hawaii Div. Water and Land Devel. Prog. Rept.* 6, 150 p., Jan. 1964.

- 00068 Vaughn, J. C. Problems in water treatment: *Am. Water Works Assoc. Jour.*, v. 56, no. 5, p. 521–527, May 1964.

- 01608 Vaughn, J. C. Water supply, an interdisciplinary science: *Indus. Water Eng.*, v. 1, no. 6, p. 30–32, Nov.–Dec. 1964.

- 02048 Veatch, J. O.; Humphrys, C. R. Lake terminology: *Michigan State Univ. Agr. Expt. Sta. Water Bull.* 14, 271 p., 1964.

- 02049 Veihmeyer, F. J. Evapotranspiration, sec. 11, *in* Chow, V. T., ed., *Handbook of applied hydrology*: New York, McGraw–Hill, p. 11–1 to 11–38, 1964.

- 00685 Velz, C. J.; Gannon, J. J. Biological extraction and accumulation in stream self-purification, *in* Southgate, B. A., ed., *Advances in water pollution research*, Internat. Water Pollution Research Conf., 1st, London, 1962, *Proc.*, v. 1: New York, Macmillan, p. 1–15, 1964.

Venteris, Gunta. *See* Swain, F. M. 00218

- 01002 Verber, J. L. Initial current studies in Lake Michigan: *Limnology and Oceanography*, v. 9, no. 3, p. 426–430, July 1964.

- 01310 Verduin, Jacob. Changes in western Lake Erie during the period 1948–1962: *Internat. Assoc. Theoretical and Appl. Limnology Proc.*, v. 15, pt. 2, p. 639–644, Feb. 1964.

- 00750 Verner, J. E. Design criteria for rainfall catchment areas for watering wildlife and livestock: *Jour. Range Management*, v. 17, no. 1, p. 39–41, Jan. 1964.

Vickers, T. J. *See* Winefordner, J. D. 00797

Victor, Mockus. *See* Ogrosky, H. O. 02071

- 00434 Virginia Division of Water Resources. Notes on Virginia water laws and agencies (1964 revision): *Richmond, Virginia Div. Water Resources*, 31 p., 1964.

- 02107 Visher, F. N.; Mink, J. F. Ground-water resources in southern Oahu, Hawaii: *U.S. Geol. Survey Water–Supply Paper* 1778, 133 p., May 1964.

- 01671 Voege, F. A.; Vanesche, H. L. Identification of organic pollutants by infrared spectroscopy: *Am. Water Works Assoc. Jour.*, v. 56, no. 10, p. 1351–1356, Oct. 1964.

- 00467 Voigt, L. P. Urgent mission—pollution control: *Wisconsin Conserv. Bull.*, v. 29, no. 4, p. 6–9, July–Aug. 1964.

- 01830 Voisey, P. W.; Kloek, M. A switching system for soil moisture—temperature probes: *Canadian Jour. Soil Sci.*, v. 44, no. 1, p. 159–162, Feb. 1964.

Voress, H. E. *See* Davis, T. F. 00409

- 00945 Vorhis, R. C. Earthquake-induced water-level fluctuations from a well in Dawson County, Georgia: *Seismol. Soc. America Bull.*, v. 54, no. 4, p. 1023–1034, Aug. 1964.

- 01425 **Vrba, Jaroslav.** Origin and occurrence of carbon dioxide and gaseous mineral waters, Variscian platform, central Europe: *Econ. Geology*, v. 59, no. 5, p. 874-882, Aug. 1964.
- 01188 **Waananen, A. O.; Giles, G. C.** Water resources, *chap. in* Mineral and water resources of Alaska: U.S. 88th Cong., 2d sess., Senate Comm. Interior and Insular Affairs Comm. Print, p. 149-179, 1964.
- 01074 **Wade, D. E.** A lesson on detergents: *Canadian Audubon*, v. 26, no. 3, p. 69-73, May-June 1964.
- Wagar, J. E.** See Powell, J. E. 00839
- Wagner, R. J.** See Finlayson, D. J. 00257
- Wagner, R. J.** See Finlayson, D. J. 00973
- 01570 **Wagner, R. J.; LeRoy, G. M.** Water use by manufacturing industries in California, 1957-1959: *California Dept. Water Resources Bull.* 124, 137 p., Apr. 1964.
- Waite, H. A.** See Travis, W. I. 01544
- Waldrip, W. J.** See Meinke, W. W. 00952
- Walker, A. J.** See Garrett, H. E. 01058
- 01401 **Walker, C. R.** Toxicological effects of herbicides on the fish environment, part 2: *Water and Sewage Works*, v. 111, no. 4, p. 173-175, Apr. 1964.
- 01935 **Walker, C. R.** Toxicological effects of herbicides on the fish environment: *Water and Sewage Works*, v. 111, no. 3, p. 113-116, Mar. 1964.
- 01752 **Walker, D.** A modified Vallentyne mud sampler: *Ecology*, v. 45, no. 3, p. 642-644, 1964.
- 00851 **Walker, E. H.** Ground water in the Sandpoint region, Bonner County, Idaho: U.S. Geol. Survey Water-Supply Paper 1779-I, p. I 1-I 29, July 1964.
- 02003 **Walker, E. H.; Sisco, H. G.** Ground water in the Midvale and Council areas, upper Weiser River basin, Idaho: U.S. Geol. Survey Water-Supply Paper 1779-Q, p. Q1-Q26, Apr. 1964.
- 01706 **Walker, H. J.; Morgan, H. M.** Unusual weather and river bank erosion in the delta of the Colville River, Alaska: *Arctic*, v. 17, no. 1, p. 41-47, Mar. 1964.
- Walker, P. H.** See Smith, A. D. 00018
- 00743 **Walker, Terry.** (and others). The fluid travel log: *Jour. Petroleum Technology*, v. 16, no. 8, p. 851-858, Aug. 1964.
- 00890 **Walker, W. R.** Industrial water use in North Carolina: *North Carolina Univ. Water Resource Papers* No. 13, 70 p., Sept. 1964.
- Wallace, J. R.** See Emmett, W. W. 00792
- Waller, R. M.** See Cederstrom, D. J. 00563
- 01213 **Waller, R. M.** Hydrology and the effects of increased ground-water pumping in the Anchorage area, Alaska: U.S. Geol. Survey Water-Supply Paper 1779-D, p. D1-D36, Aug. 1964.
- Wallis, J. R.** See Bowden, K. L. 02179

Walters, J. V. See Black, A. P. 01470

- 01475 **Walton, W. C.** Ground water supplies of northeastern Illinois—potential yield of aquifers and ground water pumpage: *Am. Water Works Assoc. Jour.*, v. 56, no. 2, p. 172–186, Feb. 1964.
- 01655 **Walton, W. C.** Educational facilities in ground-water geology and hydrology in the United States and Canada, 1963: *Ground Water*, v. 2, no. 3, p. 21–25, July 1964.
- 01879 **Walton, W. C.** Estimating the infiltration rate of a streambed by aquifer–test analysis: *Internat. Assoc. Sci. Hydrology Pub.* 63, p. 409–420, 1964.
- 02159 **Walton, W. C.** Electric analog computers and hydrogeologic system analysis in Illinois: *Ground Water*, v. 2, no. 4, p. 38–48, Oct. 1964.
- 02169 **Walton, W. C.** Future water–level declines in deep sandstone wells in Chicago region: *Ground Water*, v. 2, no. 1, p. 13–20, Jan. 1964.
- 00717 **Wang, F. C.; Hassan, N. A.; Franzini, J. B.** A method of analyzing unsteady, unsaturated flow in soils: *Jour. Geophys. Research*, v. 69, no. 12, p. 2569–2577, June 15, 1964.
- 01922 **Warburton, J. A.; Heffernan, K. J.** Time lag in ice crystal nucleation by silver iodide: *Jour. Appl. Meteorology*, v. 3, no. 6, p. 788–791, Dec. 1964.
- 00782 **Ward, J. C.** Turbulent flow in porous media: *Am. Soc. Civil Engineers Proc. Paper* 4019, *Hydraulics Div. Jour.*, v. 90, no. HY 5, p. 1–12, Sept. 1964.
- 01368 **Ward, P. E.; Truxes, L. S.** Water wells in Puerto Rico: *Puerto Rico Water Resources Authority Water–Resources Bull.* 3, 248 p., 1964.
- Wark, J. W.** See Meyer, Gerald. 02224
- 01693 **Warren, J. E.; Cosgrove, J. J.** Prediction of waterflood behavior in a stratified system: *Soc. Petroleum Engineers Jour.*, v. 4, no. 2, p. 149–157, June 1964.
- 00233 **Warschauer, D. M.** Black phosphorous as strain gage and pressure transducer: *Jour. Appl. Physics*, v. 35, no. 12, p. 3516–3519, Dec. 1964.
- 01295 **Washington [State] Dept. Conserv.** Division of Water Resources biennial report, July 1, 1962–June 30, 1964: *Washington [State] Dept. Conserv. 22d Bienn. Rept.*, p. 28–46, 1964.
- 01241 **Wasson, B. E.** Aquifer test at West Point, Mississippi: *Mississippi Indus. and Technol. Research Comm. Water Research Bull.* 64–2, 9 p., Feb. 1964.
- Wasson, B. E.** See Harvey, E. J. 03029
- 01397 **Water Well Journal.** Australia's 5,000-foot water wells: *Water Well Jour.*, v. 18, no. 10, p. 6, Oct. 1964.
- 01426 **Water Well Journal.** The model law, Urban Water Supply and Sewerage Systems Control Act—a complete review of the bill to outlaw private water systems: *Water Well Jour.*, v. 18, no. 6, p. 1–74, June 1964.
- 01590 **Water Well Journal.** Finding water in the Syrian semi–desert: *Water Well Jour.*, v. 18, no. 10, p. 20–21, 24, Oct. 1964.
- 01591 **Water Well Journal.** Largest water control program in history set: *Water Well Jour.*, v. 18, no. 10, p. 26, Oct. 1964.
- 01593 **Water Well Journal.** Legislative and administrative developments in water supply organization and control, 1964: *Water Well Jour.*, v. 18, no. 11, p. 14–20, Nov. 1964.

- 03024 **Water Well Journal.** ABS—the "hard" way to go: *Water Well Jour.*, v. 18, no. 7, p. 8-9, July 1964.

Waters, C. J. See Collins, A. G. 00413

- 00262 **Watkins, F. A., Jr.; Jordan, D. G.** Ground-water resources of west-central Indiana, preliminary report—Parke County: *Indiana Div. Water Resources Bull.* 23, 125 p., 1964.

- 00263 **Watkins, F. A., Jr.; Jordan, D. G.** Ground-water resources of west-central Indiana, preliminary report—Putnam County: *Indiana Div. Water Resources Bull.* 21, 83 p., 1964.

- 01400 **Watson, K. S.** Updating water resources thinking to meet space age requirements: *Water and Sewage Works*, v. 111, no. 4, p. 160-164, Apr. 1964.

- 00939 **Watson, L. J.** Development of ground water in Hawaii: *Am. Soc. Civil Engineers Proc. Paper 4144, Hydraulics Div. Jour.*, v. 90, no. HY 6, p. 185-202, Nov. 1964.

- 00775 **Watters, G. Z.; Street, R. L.** Two-dimensional flow over sills in open channels: *Am. Soc. Civil Engineers Proc. Paper 3967, Hydraulics Div. Jour.*, v. 90, no. HY 4, p. 107-140, July 1964.

- 01534 **Watts, C. T.** Meeting state responsibility in water resources development, *in* *Water—development, utilization, conservation: Western Resources Conf.*, 5th, Colorado State Univ., 1963, *Western Resources Papers*, Boulder, Univ. Colorado Press, p. 127-134, 1964.

Watts, R. R. See Getz, M. E. 01905

- 00052 **Waugh, J. E.** Photogrammetric measurement of tidal currents: *Am. Soc. Civil Engineers Proc. Paper 3857, Surveying and Mapping Div. Jour.*, v. 90, no. SU 1, p. 17-29, Apr. 1964.

Wayman, C. H. See Kahn, Lloyd. 01482

- 01665 **Wayman, C. H.** Simultaneous determination of sulfur and phosphorus in water by neutron activation analysis: *Anal. Chemistry*, v. 36, no. 3, p. 665-666, Mar. 1964.

- 02256 **Wayman, C. H.; Robertson, J. B.** Adsorption of ABS on soil minerals, *in* *Industrial Waste Conference*, 18th, Lafayette, Indiana, 1963, *Proceedings: Purdue Univ. Eng. Ext. Ser.* 115, p. 523-533, 1964.

- 02167 **Weaver, L.** Refuse disposal, its significance: *Ground Water*, v. 2, no. 1, p. 26-30, Jan. 1964.

Weaver, Leo. See Floyd, E. P. 01930

- 02257 **Webber, H. M.; Wilson, A. L.** The absorptiometric determination of silicon in water, Part 4—Method for determining "reactive" silicon on power-station waters containing phosphate: *Analyst*, v. 89, no. 1063, p. 632-641, Oct. 1964.

- 00642 **Webber, L. R.** Soil physical properties and erosion control: *Jour. Soil and Water Conserv.*, v. 19, no. 1, p. 28-30, Jan.-Feb. 1964.

Weber, E. M. See Chun, R. Y. D. 00382

Weber, E. M. See Tyson, H. N., Jr. 00777

- 00646 **Weber, E. W.** Comprehensive river basin planning—development of a concept: *Jour. Soil and Water Conserv.*, v. 19, no. 4, p. 133-138, July-Aug. 1964.

- 00442 **Weber, W. J., Jr.; Morris, J. C.** Determination of carbon in wastewaters by high-temperature wet oxidation: *Water Pollution Control Federation Jour.*, v. 36, no. 5, p. 573-586, May 1964.
- Weber, W. J., Jr.** See **Morris, J. C.** 00696
- 01469 **Weber, W. J., Jr.; Morris, J. C.** Equilibria and capacities for adsorption on carbon: *Am. Soc. Civil Engineers Proc. Paper 3952, Sanitary Eng. Div. Jour.*, v. 90, no. SA 3, p. 79-107, June 1964.
- 01477 **Weber, W. J., Jr.; Morris, J. C.** Adsorption in heterogeneous aqueous systems: *Am. Water Works Assoc. Jour.*, v. 56, no. 4, p. 447-456, Apr. 1964.
- 00368 **Wedman, E. J.** Geohydrology of Sebokra Sedjoumi (Tunisia): *Internat. Assoc. Sci. Hydrology Pub.* 64, p. 50-67, 1964.
- 00864 **Weeks, E. P.** Hydrologic conditions in the Wheatland Flats area, Platte County, Wyoming: *U.S. Geol. Survey Water-Supply Paper 1783*, 79 p., Oct. 1964.
- 01972 **Weeks, E. P.** Use of water-level recession curves to determine the hydraulic properties of glacial outwash in Portage County, Wisconsin, *in Geological Survey Research 1964*, Chapter B: *U.S. Geol. Survey Prof. Paper 501-B*, p. B181-B184, June 1964.
- 01981 **Weeks, E. P.** Field methods for determining vertical permeability and aquifer anisotropy, *in Geological Survey Research 1964*, Chapter D: *U.S. Geol. Survey Prof. Paper 501-D*, p. D193-D198, 1964. [Feb. 1965.]
- 00444 **Weibel, S. R.; Anderson, R. J.; Woodward, R. L.** Urban land runoff as a factor in stream pollution: *Water Pollution Control Federation Jour.*, v. 36, no. 7, p. 914-924, July 1964.
- 01480 **Weibel, S. R.** (and others). Waterborne-disease outbreaks, 1946-60: *Am. Water Works Assoc. Jour.*, v. 56, no. 8, p. 947-948, Aug. 1964.
- 03004 **Weigle, J. M.** Ground-water favorability map of the Salem-Plaistow area, New Hampshire: Concord, New Hampshire Water Resources Board, one sheet, 1964.
- 01084 **Weinberger, A. J.; DeLapp, D. F.** Saline water conversion and its by-products: *Chem. Eng. Prog.*, v. 60, no. 11, p. 56-59, Nov. 1964.
- 00819 **Weinert, M. D.** The Edwards Water District and a water plan for Texas: *South Texas Geol. Soc. Bull.*, v. 4, no. 7, p. 12-19, Apr. 1964.
- 01704 **Weir, Paul.** Kerosene contamination of river supply at Atlanta: *Am. Water Works Assoc. Jour.*, v. 56, no. 10, p. 1323-1325, Oct. 1964.
- Weise, Ursula.** See **Greenberg, Rima.** 00675
- 00437 **Weiss, C. M.; Gakstatter, J. H.** Detection of pesticides in water by biochemical assay: *Water Pollution Control Federation Jour.*, v. 36, no. 2, p. 240-253, Feb. 1964.
- 00032 **Weiss, L. L.** Ratio of true to fixed-interval maximum rainfall: *Am. Soc. Civil Engineers Proc. Paper 3758, Hydraulics Div. Jour.*, v. 90, no. HY 1, p. 77-82, Jan. 1964.
- 00027 **Weist, W. G., Jr.** Hydrogeologic data from parts of Larimer, Logan, Morgan, Sedgwick, and Weld Counties, Colorado: *Colorado Water Conserv. Board Basic-Data Rept.* 16, 30 p., 1964.
- 02014 **Weist, W. G., Jr.** Geology and ground-water resources of Yuma County, Colorado: *U.S. Geol. Survey Water-Supply Paper 1539-J*, p. J1-J56, Apr. 1964.

- 00452 **Welch, E. B.; Spindler, J. C.** DDT persistence and its effect on aquatic insects and fish after an aerial application: *Water Pollution Control Federation Jour.*, v. 36, no. 10, p. 1285-1292, Oct. 1964.
- 01441 **Weld, B. A.; Griffin, M. S.; Brett, G. W.** Reports and maps of the Geological Survey released only in the open files, 1963: *U.S. Geol. Survey Circ.* 488, 13 p., Oct. 1964.
- 00521 **Welder, F. A.; Reeves, R. D.** Geology and ground-water resources of Uvalde County, Texas: *U.S. Geol. Survey Water-Supply Paper* 1584, 49 p., Apr. 1964.
- Weller, Mary.** See Enz, R. W. 01808
- 00916 **Wellner, C. A.** The impact of multiple use on silviculture in the northern Rocky Mountain and intermountain regions: *Soc. Am. Foresters Mtg.*, Denver, Colo., 1964, *Proc.*, p. 20-22, 1964.
- 02131 **Wells, D. T.** The TVA tributary area development program: *University, Univ. Alabama Bur. Public Adm.*, 153 p., 1964.
- 01810 **Wemelsfelder, P. J.** The persistency of river discharge and groundwater storage: *Internat. Assoc. Sci. Hydrology Pub.* 63, p. 90-106, 1964.
- 01686 **Wendel, H. F.** Water quality, *in* Oregon's water problems and future needs, *State Water Resources Conference: Oregon Water Resources Board, Salem, Oreg.*, 1964, *Proc.*, p. [A]39-[A]45, 1964.
- 01439 **Wesseling, J.** The effect of using continually submerged drains on drain spacings: *Jour. Hydrology [Amsterdam]*, v. 2, no. 1, p. 33-43, 1964.
- 01896 **Wesseling, J.** A comparison of the steady state drain spacing formulas of Hooghoudt and Kirkham in connection with design practice: *Jour. Hydrology [Amsterdam]*, v. 2, no. 1, p. 25-32, 1964.
- 00961 **West, A. B.** Report of the Bureau of Reclamation, Region 3, U.S. Department of the Interior, *in* Nevada Water Conference, 18th, Carson City, 1964, *Proceedings: Carson City, Nevada Dept. Conserv. and Nat. Resources*, p. 74-77, 1964.
- 01650 **West, D. L.** Determination of total carbon in water by combustion-gas chromatography: *Anal. Chemistry*, v. 36, no. 11, p. 2194-2195, Oct. 1964.
- 00493 **Western Snow Conference.** Western Snow Conference, 32d, Nelson, British Columbia, Canada, Apr. 21-23, 1964, *Proceedings*: 95 p., 1964.
- Weston, R. E., Jr.** See Heininger, Karl. 00244
- 01731 **Wetterhall, W. S.** Geohydrologic reconnaissance of Pasco and southern Hernando Counties, Florida: *Florida Geol. Survey Rept. Inv.* 34, 28 p., 1964.
- Wetterhall, W. S.** See Menke, C. G. 01885
- 01893 **Weyl, P. K.** On the change in electrical conductance of sea water with temperature: *Limnology and Oceanography*, v. 9, no. 1, p. 75-78, Jan. 1964.
- 01946 **Wheat, J. A.** Determination of metallic impurities in water by atomic absorption spectrometry: *U.S. Atomic Energy Comm. Research and Devel. Rept.* DP-879, 15 p., June 1964.
- 00108 **Wheaton, R. Z.; Kidder, E. H.; Eichmeier, A. H.** Variation in summertime rainfall: *Am. Soc. Agr. Engineers Trans. (Gen. Ed.)*, v. 7, no. 2, p. 114-115, June 1964.
- Whetstone, G. W.** See Knowles, D. B. 00514

- Whisler, Elmer.** See Ludwig, H. F. 00112
- Whisler, F. D.** See Klute, A. 00309
- 02022 **Whitcomb, H. A.; Morris, D. A.** Ground-water resources and geology of northern and western Crook County, Wyoming, *with a section on The chemical quality of the ground water*, by R. H. Langford: U.S. Geol. Survey Water-Supply Paper 1698, 92 p., Oct. 1964.
- White, D. P.** See Krumbach, A. W., Jr. 01617
- 01486 **White, G. F.** Vietnam—the fourth course: Bull. Atomic Scientists, v. 20, no. 10, p. 6–10, Dec. 1964.
- 01520 **White, G. F.** Flood plain adjustments and regulations, part 5, *cf* Hydrology of flow control, sec. 25, in Chow, V. T., ed., Handbook of applied hydrology: New York, McGraw-Hill, p. 25–112 to 25–124, 1964.
- 01927 **White, G. F.** Choice of adjustment to floods, *with an Appendix*, by J. E. Edinger: Chicago Univ. Dept. Geography Research Paper No. 93, 150 p., 1964.
- 01941 **White, G. F.** Rivers of international concord: UNESCO Courier, p. 32–37, July–Aug. 1964.
- 01022 **White House–Department of Interior.** (Panel on Waterlogging and Salinity in West Pakistan). Report on land and water development in the Indus Plain: Washington, D. C., U.S. Govt. Printing Office, 454 p., Jan. 1964.
- 00972 **White, N. D.; Stulik, R. S.; Rauh, C. L.** Effects of ground-water withdrawal in part of central Arizona projected to 1969: Arizona Land Dept. Water Resources Rept. 16, 25 p., July 1964.
- 01485 **White, N. D.; Stulik, R. S.; Morse, E. K.** (and others). Annual report on ground water in Arizona, spring 1963 to spring 1964: Arizona Land Dept. Water Resources Rept. 19, 60 p., Dec. 1964.
- White, W. A.** See Bredehoeft, J. D. 02181
- 00631 **White, W. B.; Longyear, Judith.** Some limitations on speleo-genetic speculation imposed by the hydraulics of groundwater flow in limestone: Speleo Digest 1962, p. 2–71—2–84, Apr. 1964.
- 00884 **White, W. W.** Report of the Department of Public Health, Bureau of Environmental Health, in Nevada Water Conference, 18th, Carson City, 1964, Proceedings: Carson City, Nevada Dept. Conserv. and Nat. Resources, p. 56–57, 1964.
- 00720 **Whitehead, H. C.; Feth, J. H.** Chemical composition of rain, dry fallout, and bulk precipitation at Menlo Park, California, 1957–1959: Jour. Geophys. Research, v. 69, no. 16, p. 3319–3333, Aug. 15, 1964.
- 01774 **Whitlatch, G. I.** (compiler). Summary of the industrial water resources of Georgia: Georgia Inst. Technology Eng. Expt. Sta. Spec. Rept. 44, 121 p., June 1964.
- 01136 **Whitman, H. M.** Ground water in Jefferson Davis Parish, Louisiana, in Jefferson Davis Parish, resources and facilities: Baton Rouge, Louisiana Dept. Public Works, p. 29–31, 1964.
- 01699 **Wiard, L. A.** Cooperative surface-water investigations in Wyoming during 1963 and 1964, in 37th biennial report of the State Engineer to the Governor of Wyoming, 1963–1964: Cheyenne, Wyoming State Engineer, p. 82–89, Nov. 1964.
- 01016 **Wiegel, R. L.** Oceanographical engineering: Englewood Cliffs, N. J., Prentice-Hall, 532 p., 1964.

Wiersma, Dan. See Turner, R. 01601

- 00017 Wilcox, J. C.; Korven, H. C. Effects of weather fluctuations on the scheduling of irrigation: Canadian Jour. Plant Sci., v. 44, no. 5, p. 439-445, Sept. 1964.

- 00021 Wilcox, J. C.; Korven, H. C.; Brownlee, C. H. The pH and salt content of stream water as affected by elevation and aspect: Canadian Jour. Soil Sci., v. 44, no. 2, p. 260-261, June 1964.

Wilcox, J. C. See Korven, H. C. 00022

Wilder, H. B. See Harris, W. H. 01454

- 00699 Wilkinson, L. Nitrogen transformations in a polluted estuary, in Pearson, E. A., ed., Advances in water pollution research, Internat. Water Pollution Research Conf., 1st, London, 1962, Proc., v. 3: New York, Macmillan, p. 405-422, 1964.

- 00313 Willets, D. B.; Gould, M. L. Ground water—a vulnerable resource: Internat. Assoc. Sci. Hydrology Pub. 64, p. 482-492, 1964.

- 00235 Willett, H. C. Statistical possibilities in the forecasting of seasonal precipitation totals: New England Water Works Assoc. Jour., v. 78, no. 2, p. 105-113, June 1964.

- 00984 Willey, B. F.; Jennings, Harry; Muroski, Frank. Removal of hydrogen sulfide with potassium permanganate: Am. Water Works Assoc. Jour., v. 56, no. 4, p. 475-479, Apr. 1964.

- 01166 Willey, C. R.; Tanner, C. B. A steady-state method for laboratory measurement of the oxygen diffusivity of porous materials: Soil Sci. Soc. America Proc., v. 28, no. 6, p. 733-737, Nov.-Dec. 1964.

- 01238 Williams, G. C. Comparative rainfall study, 68th Street crib and Chicago area, summer and fall 1963, in Conference on Great Lakes Research, 7th, Toronto, Canada, 1964, Proceedings: Michigan Univ. Great Lakes Research Div. Pub. 11, p. 311-320, 1964.

- 01569 Williams, H. B. (and others). Chlorinity determination in estuarine waters by physical measurement: Jour. Marine Research, v. 22, no. 2, p. 190-196, May 1964.

Williams, J. W. See Blair, J. E. 00238

- 01709 Williams, J. W. Application of engineering to well construction and development at Vernon [California]: Am. Water Works Assoc. Jour., v. 56, no. 7, p. 899-906, July 1964.

- 01732 Williams, L. G. Possible relationships between plankton-diatom species numbers and water-quality estimates: Ecology, v. 45, no. 4, p. 809-823, 1964.

- 01192 Williams, R. C. Sedimentation in three small forested drainage basins in the Alsea River basin, Oregon: U.S. Geol. Survey Circ. 490, 16 p., Oct. 1964.

- 01371 Willis, W. O. (and others). Water table changes and soil moisture loss under frozen conditions: Soil Sci., v. 98, no. 4, p. 244-248, Oct. 1964.

- 00107 Willson, R. J. Chemical sealants and canal seepage: Am. Soc. Agr. Engineers Trans. (Gen. Ed.), v. 7, no. 1, p. 56-60, 66, Mar. 1964.

- 01708 Wilroy, R. D.; Ingols, R. S. Aging of waters in reservoirs of the Piedmont Plateau: Am. Water Works Assoc. Jour., v. 56, no. 7, p. 886-890, July 1964.

Wilson, A. L. See Tetlow, J. A. 01054

Wilson, A. L. See Webber, H. M. 02257

- 02258 **Wilson, A. L.** The absorptiometric determination of iron in boiler feed-water, Part 1—Method for determining "reactive" iron: *Analyst*, v. 89, no. 1059, p. 389-401, June 1964.
- 02259 **Wilson, A. L.** The absorptiometric determination of iron in boiler feed-water, Part 2—Methods for dissolving "non-reactive" iron: *Analyst*, v. 89, no. 1059, p. 402-410, June 1964.
- Wilson, H. D., Jr.** See Dale, R. H. 00570
- 00400 **Wilson, J. M.** Effect of the Alaskan earthquake of March 27, 1964, on ground-water levels in Tennessee: *Tennessee Acad. Sci. Jour.*, v. 39, no. 3, p. 92-94, July 1964.
- 01560 **Wilson, J. W.** Evaluation of precipitation measurements with the WSR-57 weather radar: *Jour. Appl. Meteorology*, v. 3, no. 2, p. 164-174, Apr. 1964.
- 03032 **Wilson, K. V.** Floods of 1961 in Mississippi: *Mississippi Flood Water Commissioners Bull.* 64-4, 93 p., Dec. 1964.
- 00840 **Wilson, M. T.; Langford, R. H.; Arnow, Ted.** Water resources chapter, in *Mineral and water resources of Utah: U.S. 88th Cong., 2d sess., Senate Comm. Interior and Insular Affairs Comm. Print*, p. 239-275, Mar. 1964.
- 01963 **Wilson, M. T.; Thomas, H. E.** Hydrology and hydrogeology of Navajo Lake, Kane County, Utah: *U.S. Geol. Survey Prof. Paper* 417-C, p. C1-C26, Oct. 1964.
- Wilson, M. T.** See Arnow, Ted. 02087
- Wilson, R. H.** See Foster, R. F. 02072
- 00797 **Winefordner, J. D.; Vickers, T. J.** Calculation of the limit of detectability in atomic absorption flame spectrometry: *Anal. Chemistry*, v. 36, no. 10, p. 1947-1954, Sept. 1964.
- Winefordner, J. D.** See St. John, P. A. 01042
- Winger, R. J., Jr.** See Dumm, L. D. 01844
- Winget, C. H.** See Kozlowski, T. T. 01881
- Winner, M. D., Jr.** See Morgan, C. O. 00496
- 01339 **Winograd, I. J.** A summary of the ground-water hydrology of the area between the Las Vegas Valley and the Amargosa Desert, Nevada, with special reference to the effects of possible new withdrawals of ground water: *U.S. Geol. Survey Rept.* TEI-840, 79 p., Sept. 1963.
- Winslow, J. D.** See Broeker, M. E. 00754
- 00755 **Winslow, J. D.; Nuzman, C. E.; Fader, S. W.** Water-level changes in Grant and Stanton Counties, 1939-1964: *Kansas Geol. Survey Spec. Distrib. Pub.* 10, 12 p., 1964.
- Wintner, Irmgard.** See O'Connor, J. T. 02234
- Wire, J. C.** See Krinitzsky, E. L. 02211
- 01888 **Wolfart, Reinhard.** Hydrogeology of the Damascus Basin (southwest Syria): *Internat. Assoc. Sci. Hydrology Pub.* 64, p. 402-413, 1964.
- Wolff, J. B.** See Linaweaver, F. P., Jr. 01875

- 01889 **Wolftzoun, I. B.; Smirnov, K. I.** On the technique of calculating ground water replenishment by precipitation: *Internat. Assoc. Sci. Hydrology Pub.* 64, p. 343-346, 1964.

Wolman, M. G. *See* Leopold, L. B. 00672

- 00946 **Wood, Allan; Hedges, L. S.** Ground water supply for the city of Langford [South Dakota]: *South Dakota Geol. Survey Spec. Rept.* 29, 27 p., 1964.

- 01308 **Wood, K. G.** Gasometric determinations of carbon dioxide in natural waters in relation to pH and to the activities of plants: *Internat. Assoc. Theoretical and Appl. Limnology Proc.*, v. 15, pt. 1, p. 322-329, Feb. 1964.

Wood, M. R. *See* Sheen, E. M. 01336

- 00924 **Wood, P. R.; Moeller, M. D.** Ground-water levels in observation wells in Oklahoma, 1961-1962: *Oklahoma Water Resources Board [Rept. 2]*, 119 p., 1964.

- 00928 **Wood, P. R.; Dale, R. H.** Geology and ground-water features of the Edison-Maricopa area, Kern County, California: *U.S. Geol. Survey Water-Supply Paper* 1656, 108 p., Aug. 1964.

- 01144 **Wood, P. R.; Johnston, H. E.** Hydrology of the New Oxford Formation in Adams and York Counties, Pennsylvania: *Pennsylvania Geol. Survey Ground Water Rept.* 4th Ser. Bull. W21, 66 p., 1964.

Woodburn, Russell. *See* Bertrand, A. R. 00649

Wooding, R. A. *See* Henderson, F. M. 00708

- 01564 **Wooding, R. A.** Mixing-layer flows in a saturated porous medium: *Jour. Fluid Mechanics*, v. 19, pt. 1, p. 103-112, May 1964.

- 01150 **Woodruff, J. F.** A comparative analysis of selected drainage basins: *Prof. Geographer*, v. 16, no. 4, p. 15-19, July 1964.

Woods, P. C. *See* Orlob, G. T. 00756

- 00065 **Woodward, R. L.** Relation of raw-water quality to treatment plant design: *Am. Water Works Assoc. Jour.*, v. 56, no. 4, p. 432-440, Apr. 1964.

Woodward, R. L. *See* Weibel, S. R. 00444

- 02260 **Woodward, T. H.; Heidel, S. G.** Inventory of published and unpublished chemical analyses of surface waters in the continental United States and Puerto Rico, 1961: *U.S. Geol. Survey Water-Supply Paper* 1786, 490 p., Feb. 1964.

- 01618 **Wooldridge, D. D.** Effects of parent material and vegetation on properties related to soil erosion in central Washington: *Soil Sci. Soc. America Proc.*, v. 28, no. 3, p. 430-432, May-June 1964.

Woolson, E. A. *See* Hoffman, W. M. 01063

- 02050 **Workman, G. W.; Sigler, W. F.** The physical and chemical factors of Bear Lake and its tributaries, Utah-Idaho: *Utah Acad. Sci. Arts and Letters Proc.*, v. 41, pt. 1, p. 34-48, 1964.

- 00186 **Worley, D. P.; Miller, R. L.** A procedure for upstream watershed economic evaluation, in *Wealth from watersheds*: *Arizona Watershed Symposium*, 8th, Tempe, 1964, *Proc.*, p. 36-39, 1964.

- 00206 **Worts, G. F., Jr.** Report of the U.S. Geological Survey, Water Resources Division, in *Nevada Water Conference*, 18th, Carson City, 1964, *Proceedings*: Carson City, Nevada Dept. Conserv. and Nat. Resources, p. 107-112, 1964.

- 02007 **Worts, G. F., Jr.** Hydrogeologic reconnaissance of Poro Point and vicinity, Luzon Island, Philippines: U.S. Geol. Survey Water-Supply Paper 1608-E, p. E1-E14, July 1964.
- 01854 **Wright, K. R.** Water right engineering under appropriation system: Am. Soc. Civil Engineers Proc. Paper 3818, Irrig. and Drainage Div. Jour., v. 90, no. IR 1, pt. 1, p. 9-15, Mar. 1964.
- 00076 **Wright, R. R.; Collings, M. R.** Application of fluorescent tracing techniques to hydrologic studies: Am. Water Works Assoc. Jour., v. 56, no. 6, p. 748-754, June 1964.
- 01933 **Wruble, D. T.** (and others). Radioactivity in waters and sediments of the Colorado River basin, 1950-1963: Radiolog. Health Data, v. 5, no. 11, p. 557-567, Nov. 1964.
- 00933 **Wu, I. P.; Delleur, J. W.; Diskin, M. H.** Determination of peak discharge and design hydrographs for small watersheds in Indiana: Purdue Univ. Joint Highway Research Proj. Rept. 7, Apr. 1964.
- 00680 **Wuhrmann, K.** Nitrogen removal in sewage processes: Internat. Assoc. Theoretical and Appl. Limnology Proc., v. 15, pt. 2, p. 580-596, Feb. 1964.
- Wyerman, T. A.** See Allen, H. E. 00590
- 02121 **Wyoming State Engineer.** Thirty-seventh biennial report of the State Engineer to the Governor of Wyoming, 1963-1964: Cheyenne, Wyoming State Engineer, 129 p., Nov. 1964.
- 00367 **Yaalon, D. H.** Chemical changes in rain-fed marsh waters during the dry season: Limnology and Oceanography, v. 9, no. 2, p. 218-223, Apr. 1964.
- 01960 **Yaalon, D. H.** The concentration of ammonia and nitrate in rain water over Israel in relation to environmental factors: Tellus, v. 16, no. 2, p. 200-204, May 1964.
- 00789 **Yalin, M. S.** Geometrical properties of sand waves: Am. Soc. Civil Engineers Proc. Paper 4055, Hydraulics Div. Jour., v. 90, no. HY 5, p. 105-119, Sept. 1964.
- 00245 **Yang, J. Y.; Gevantman, L. H.** Tritium B-radiation-induced isotopic exchange with water vapor: Jour. Phys. Chemistry, v. 68, no. 11, p. 3115-3119, Nov. 1964.
- 01323 **Yasso, W. E.** Use of fluorescent tracers to determine foreshore sediment transport, Sandy Hook, New Jersey: Columbia Univ. Dept. Geology Proj. NR 388-057, Tech. Rept. 6, 18 p., 1964.
- Yates, D. J. C.** See Carter, J. L. 00241
- Yen, Ben-Chie.** See Brush, L. M., Jr. 00034
- 00727 **Yen, Y. C.; Fisher, Don.** Isothermal flow of air in a porous medium into a rectangular sink: Jour. Geophys. Research, v. 69, no. 20, p. 4211-4219, Oct. 15, 1964.
- 00668 **Yevdjovich, V. M.** Fluctuations of wet and dry years, Part 2—Analysis by serial correlation: Colorado State Univ. Hydrology Papers No. 4, 50 p., June 1964.
- 01380 **Yevdjovich, V. M.** Bibliography and discussion of flood-routing methods and unsteady flow in channels: U.S. Geol. Survey Water-Supply Paper 1690, 235 p., Sept. 1964.
- 01512 **Yevdjovich, V. M.** Regression and correlation analysis, part 2, of Statistical and probability analysis of hydrological data, sec. 8, in Chow, V. T., ed., Handbook of applied hydrology: New York, McGraw-Hill, p. 8-43 to 8-67, 1964.

- 01817 **Yevdjovich, V. M.** Fluctuations of wet and dry years, Part 1 — Research data assembly and mathematical models: Colorado State Univ. Hydrology Papers No. 1, 55 p., July 1963.
- 01827 **Yevdjovich, V. M.** Patterns in sequence of annual river flow and annual precipitation: Internat. Assoc. Sci. Hydrology Pub. 63, p. 233-252, 1964.
- 01149 **Yih, Chia-Shun.** A transformation for free-surface flow in porous media: Physics Fluids, v. 7, no. 1, p. 20-24, Jan. 1964.
- Yoe, J. H.** See Pike, LeRoy. 01051
- Yoshioka, G. A.** See Mather, J. R. 01920
- Yost, I. D.** See Baker, R. C. 00547
- 00788 **Yotsukura, Nobuhiro; Fiering, M. B.** Numerical solution to a dispersion equation: Am. Soc. Civil Engineers Proc. Paper 4046, Hydraulics Div. Jour., v. 90, no. HY 5, p. 83-104, Sept. 1964.
- 00736 **Youmans, A. H.** (and others) Neutron lifetime, a new nuclear log: Jour. Petroleum Technology, v. 16, no. 3, p. 319-328, Mar. 1964.
- 00729 **Young, Allen; Low, P. F.; McLatchie, A. S.** Permeability studies of argillaceous rocks: Jour. geophys. Research, v. 69, no. 20, p. 4237-4245, Oct. 15, 1964.
- 00441 **Young, G. K.** (and others). Chemical reduction of nitrate in water: Water Pollution Control Federation Jour., v. 36, no. 3, p. 395-398, Mar. 1964.
- Young, K. B.** See Holt, C. L. R., Jr. 03010
- 00154 **Young, L. E.; Ray, H. A.** Flood inundation mapping, San Diego County, California, in Geological Survey Research 1964; Chapter B: U.S. Geol. Survey Prof. Paper 501-B, p. B163-B164, June 1964.
- 00571 **Young, L. L.** Summary of developed and potential waterpower of the United States and other countries of the world, 1955-62: U.S. Geol. Survey Circ. 483, 38 p., Aug. 1964.
- 00080 **Young, M. C.; Harrold, L. L.** A new source of error in recording rain gage catch: Agr. Eng., v. 45, no. 11, p. 622-623, Nov. 1964.
- 00288 **Youngs, E. G.** An infiltration method of measuring the hydraulic conductivity of unsaturated porous materials: Soil Sci., v. 97, no. 5, p. 307-311, May 1964.
- 00298 **Youngs, E. G.; Peck, A. J.** Moisture profile development and air compression during water uptake by bounded porous bodies, [Part] 1 — Theoretical introduction: Soil Sci., v. 98, no. 5, p. 290-294, Nov. 1964.
- 00479 **Yu, Y. S.; McNown, J. S.** Runoff from impervious surfaces: Jour. Hydraulic Research, v. 2, no. 1, p. 3-24, 1964.
- 00110 **Yung, F. D.** Farmstead water demands and peak use rates: Am. Soc. Agr. Engineers Trans. (Gen. Ed.), v. 7, no. 2, p. 179, June 1964.
- Zajicek, V.** See Knezek, M. 01437
- 00290 **Zaslavsky, Dan.** Theory of unsaturated flow into a non-uniform soil profile: Soil Sci., v. 97, no. 6, p. 400-410, June 1964.
- 00299 **Zaslavsky, Dan.** Saturated and unsaturated flow equation in an unstable porous medium: Soil Sci., v. 98, no. 5, p. 317-321, Nov. 1964.

- 00308 **Zaslavsky, Dan; Kirkham, Don.** The streamline function for axially symmetric groundwater movement: *Soil Sci. Soc. America Proc.*, v. 28, no. 2, p. 156-160, Mar.-Apr. 1964.
- 01087 **Zeitoun, M. A.; Davison, R. R.** Clear water by extraction: *Chem. Eng. Prog.*, v. 60, no. 12, p. 51-54, Dec. 1964.
- 00808 **Zelitch, Israel.** Reduction of transpiration of leaves through stomatal closure induced by alkenylsuccinic acids: *Science*, v. 143, no. 3607, p. 692-693, Feb. 1964.
- Ziegler, V. E.** See **Hoisveen, M. W.** 01118
- 00701 **Ziemer, R. R.** Summer evapotranspiration trends as related to time after logging of forests in Sierra Nevada: *Jour. Geophys. Research*, v. 69, no. 4, p. 615-620, Feb. 15, 1964.
- 00852 **Zimmerman, E. A.** Geology and water resources of the Bluewater Springs area, Carbon County, Montana: *U.S. Geol. Survey Water-Supply Paper 1779-J*, p. J1-J24, Aug. 1964.
- Zotikov, I. A.** See **Shumskiy, P. A.** 02101
- 02051 **Zublin, C. W.** Why electric log water wells?: *Ground Water*, v. 2, no. 2, p. 32-34, Apr. 1964.
- 02052 **Zumberge, J. H.; Ayers, J. C.** Hydrology of lakes and swamps, sec. 23, in **Chow, V. T.**, ed., *Handbook of applied hydrology*: New York, McGraw-Hill, p. 23-1 to 23-33, 1964.
-

INDEX

[The numbers refer to entries in the bibliography]

Africa

Northern

Artesian basins: Drouhin, G. 01652

Agriculture

Land drainage

Analytic solution for Peterson's equations for well spacing: Hantush, M. S. 00038

Bladen soil, Atlantic coast region: Sparrow, G. N. 01834

Comparison of steady-state drain spacing formulas of Hooghoudt and Kirkham: Wesseling, J. 01896

Copper distribution patterns in central Chile: deGrys, Ann. 01597

Design of drains above impervious layer: List, E. J. 00722

Eastern United States and Canada, general discussion: Gain, E. W. 01862

Economic evaluation: Menz, J. A. 01626

Effect of using continually submerged drains on drain spacings: Wesseling, J. 01439

Falling water table between open ditches: Ligon, J. T. 00281

Glacial till soil, New England: Bornstein, Joseph. 00103

Ground-water hydraulics, transient-flow concept: Dumm, L. D. 01835

Hydraulic characteristics of glass-fiber filter material: Shull, Hollis. 00109

Hydraulic conductivity determination: Zaslavsky, Dan. 00308

Methods of approximating water-table fall: Kirkham, Don. 01390

Organic terrain: Ayers, H. D. 00197

Relation of capillary pressure, air permeability, and moisture content to drain design: Brooks, R. H. 01278

Sloping lands: Schmid, Paul. 02242

Spacing of drains by an approximate method: Dagan, Gedeon. 01860

Subdrainage in heavy soils: Fukuda, Hitoshi. 00287

Tile depth and spacing: Hammad, H. Y. 00042

Tile spacing prediction based on drain outflow: Hoffman, G. J. 00119

Vertical drainage rates: Fujioka, Y. 00733

Waterlogging and salinity, West Pakistan: Harvard Water Resources Group. 01502

Waterlogging and salinity, West Pakistan: White House-Department of Interior. 01022

Water-table fluctuations: Dagan, Gedeon. 01290

Leaching requirements

Effects of high-water tables: Kelley, W. P. 01899

General discussion: Bower, C. A. 01532

Pollution

Chemicals in soils: Kunze, G. W. 01263

Soil and water conservation

Effects of organic trenching: Kingsley, Q. S. 00640

Techniques: Stephens, Uel. 01646

Agriculture

Soil and water management

Evaluation of soil ripping and soil pitting, semiarid Southwest: Hickey, W. C., Jr. 00317

General discussion: Ogrosky, H. O. 02071

Practices in Hungary: Erodí, B. 00318

Water use

Catchment area development for stock water: Brehm, C. D. 01895

Dams and irrigation system in subhumid area: Soderberg, A. D. 00040

Effects on water budget: Dreibelbis, F. R. 00724

World development, general discussion: Greenshields, E. L. 01531

Alabama

Bayou La Batre

Channel improvement project: U.S. Army Corps of Engineers. 01181

Franklin County

Ground water, Russellville area: Peace, R. R., Jr. 02235

Ground water

Levels, 1959-1960: O'Rear, D. M. 01846

Ground-water quality: Powell, W. J. 02056

North-central

Reservoir temperatures: Peirce, L. B. 01847

Northern

Pesticide study: Nicholson, H. P. 01219

Northwestern

Low-flow characteristics of streams: Speer, P. R. 02019

Precipitation

Distribution by months: Long, A. R. 00250

Russell County

Ground water: Scott, J. C. 00086

Surface water

Temperature of streams: Avret, J. R. 00088

Water-level fluctuations: Powell, W. J. 02056

Alaska

Anchorage area

Ground water: Cederstrom, D. J. 00563

Ground water, effects of increased pumping: Waller, R. M. 01213

Bethel

Ground water, chemical quality: Feulner, A. J. 00170

Glaciers

Terminal position changes since 1750: Miller, M. M. 01031

Ground water

Occurrence in permafrost areas: Tisdell, F. W. 00089

Shallow supplies, development, galleries: Feulner, A. J. 00867

Hydrologic data

Networks: Freeman, T. G. 00904

Juneau Ice Field

Climate-glacier studies: Marcus, M. G. 00667

Kuskokwim River basin

River basin development needs: U.S. Army Corps of Engineers. 01545

Alaska*Rampart Dam*

Maximum probable flood, spillway design:
Duncan, W. W. 00953

Seward area

Ground-water conditions and effects of
earthquake: Shannon and Wilson,
Inc. 00628

Southern

Flood magnitude and frequency, south of
Yukon River: Berwick, V. K. 01299

Statewide

Surface-water records, 1950-60: U.S.
Geological Survey. 00552

Valdez district

Engineering problems: Migliaccio, R. R.
01987

Water management: Altar, A. J. 02089*Water resources*

Summary: Waananen, A. O. 01188

Yukon Flats watershed

Research, interdisciplinary: Pewe, T. L. 01839

Yukon River basin

Rampart Dam and Reservoir: Pewe, T. L.
01839

River basin development needs: U.S. Army
Corps of Engineers. 01545

Alberta*Northern*

Landslides, Meikle River valley: Nasmith,
Hugh. 01269

River-basin planning and development

Prairie Provinces Water Board: Raby,
Stewart. 00802

Antarctica*Lakes*

Lake Bonney, physicochemical limnology:
Angino, E. E. 01453

Lake Bonney, temperature: Shirtcliffe, T. G.
L. 00721

Lake Bonney, temperature: Shirtcliffe, T. G.
L. 01314

Lakes Bonney and Vanda, heat balance:
Ragotzkie, R. A. 01003

Precipitation

Snow Pb²¹⁰ chronology: Crozaz, G. 00719

Snow accumulation

"Byrd" station-South Pole traverse, 1960-61,
observations: Brecher, H. H. 02180

Wilkes Island: Black, H. P. 00339

Snow facies: Giovinetto, M. B. 02053

Appalachians*Development*

Congressional hearings, Appalachian
Regional Development Act of 1964: U.S.
Congress, House. 01926

Aquifer tests*Alluvium*

Mississippi River flood plain, electric analog
model: Schicht, R. J. 00980

Stream hydraulically connected to aquifer:
Walton, W. C. 01879

Aquifer tests*Alluvium*

Winnipeg and Brandon map-areas,
Manitoba: Charron, J. E. 01327

Artesian aquifers

Modified solution for decreasing discharge
wells: Abu-Zied, M. A. 00795

Comprehensive discussion

Hydraulics of wells: Hantush, M. S. 01777

Cone-of-depression

Exact theory for shape, semi-confined aquifer:
Kirkham, Don. 00714

Data analysis

Netherlands, southwestern: Van Eyden, W. A.
A. 01324

Pumping well near impermeable barrier: Saad,
K. F. 01659

Streambed infiltration rate: Walton, W. C.
01879

Drawdown

Computations for Fountain Valley, Colorado:
Jenkins, E. D. 02020

Devils Lake, North Dakota: Johnson Drillers
Journal. 00331

Formula: Hantush, M. S. 00728

Flow distribution

Current meter-data analysis: Leve, G. W.
01863

Fractured rock

Results, South Africa: Enslin, J. F. 00372

Heterogeneous aquifers

Problems determining permeability and
storage: Rasmussen, W. C. 00375

Permeability

Field methods for determining vertical

permeability: Weeks, E. P. 01981

Pumping

Transmissibility in fractured aquifers: Lewis,
D. C. 01654

Slug test

Determination of permeability: Ho, Kuo-
Toh. 00006

Transmissibility

Examination from routine production tests:
Logan, John. 02165

Argentina*Bahia Blanca*

Thermal artesian water: Schoff, S. L. 01975

Arizona*Apache County, central*

Ground water: Akers, J. P. 00562

Beaver Creek watershed

Economic evaluation procedure: Worley, D.
P. 00186

Central Arizona project

General discussion: Kelly, Tim. 01483

Climate

Comprehensive report: Green, C. R. 00662

Coconino County

Blowholes and blowing wells: Lamar, D. L.
00926

Colorado River area

Land use plan: U.S. Lower Colorado River.
02251

Water resources appraisal: Hely, A. G. 01305

Arizona

- Flagstaff-Wupatki area*
Blowhole system: Lamar, D. L. 00926
- Gila River basin*
Flood control project, Indian Bend Wash:
U.S. Army Corps of Engineers. 01179
- Glen Canyon Dam*
General discussion, physical data: Rusho, W.
L. 01667
- Ground water*
Annual report, spring 1963 to spring 1964:
White, N. D. 01485
- Little Colorado River*
Flood control project near Winslow: U.S.
Army Corps of Engineers. 01189
- Maricopa County*
Ground water, Luke area: Stulik, R. S. 00858
Ground water, Salt River Valley: White, N.
D. 00972
Ground-water changes 1954-63, lower
Harquahala Plains: Stulik, R. S. 00974
- McMullen Valley*
Ground water: Kam, William. 00538
- Navajo and Hopi Indian Reservations*
Ground-water data: Cooley, M. E. 01484
- Pinal County*
Ground water, Gila River Valley: White, N.
D. 00972
Ground-water data, western part: Hardt, W.
F. 01666
- Salt River project*
Economics: Kelso, M. M. 00873
- Snow survey measurements*
Summary, 1938-1964: Enz, R. W. 01808
- Surface water*
Intermittent streams, fish survival: John, K.
R. 01703
- Verde-Salt watershed*
Rehabilitation program: McMullin, R. J.
00871
- Water resources*
Planning: Pinkerton, K. C. 00870
- Water supply*
Plan for Colorado River: Stout, O. C. 00457
- Water use*
Mineral industries: Gilkey, M. M. 00412
- Williams*
Municipal water supply problems: Larson,
Ray. 00872

Arkansas

- Arkansas River valley, lower*
Ground water: Bedinger, M. S. 00543
- Bradley County*
Ground water: Albin, D. R. 00849
- Calhoun County*
Ground water: Albin, D. R. 00849
- Carrizo Sand*
Aquifer potential: Hosman, R. L. 01976
- Eastern, vicinity of U.S. Highway 70*
Ground water: Halberg, H. N. 00859
- Grand Prairie region*
Hydrogeology: Sniegocki, R. T. 00529

Arkansas

- Maniee Bayou*
Report on cost sharing for flood control
project: U.S. Army Corps of Engineers.
01430
- Municipal water supplies*
Availability for industry: Mack, L. E. 00663
- Ouachita County*
Ground water: Albin, D. R. 00849
- South-central*
Ground water; the Carrizo Sand: Hosman, R.
L. 01976

Arkansas-Red River basins

- Water quality*
Conservation: U.S. Public Health Service.
03002

Australia

- Northern Victoria*
Water projects development: Rutherford,
John. 01877
- Ord River project*
Moran's theory of dams, application: Jarvis,
C. L. 02206

Bibliographies

- Canada*
Physical geography, theses and dissertations:
Canada Dept. Mines and Tech. Surveys.
00801
- Flood damage prevention: Tennessee Valley*
Authority. 02033
- Flood routing*
Methods and discussion: Yevjevich, V. M.
01380
- Ground water*
Florida: Hyde, L. W. 01494
Laboratory and field methods: Johnson, A. I.
00964
Texas, reports, through August 1963: Baker,
R. C. 00833
- Hydraulic research*
Active projects: Internat. Assoc. Hydraulic
Research. 01789
United States, 1964: Middleton, H. K. 00843
- Radioactive waste*
Processing and disposal: Davis, T. F. 00409
- Snow, ice, and permafrost: U.S. Library of
Congress. 02024*
Cumulative index: U.S. Library of Congress.
02115
- Soil exploration: Johnson, A. I. 02068*
- Surface-water hydraulics*
Unsteady flow in channels: Yevjevich, V. M.
01380
- Texas Water Commission*
Publication list: Texas Water Commission.
00834
- U.S. Dept. Agriculture*
Soil and Water Conserv. Div., summary of
program: U.S. Department of
Agriculture. 02252
- U.S. Forest Service publications, 1905-63: U.S.
Forest Service. 02023*
- Water*
Bibliographic index, 1963: Franck, Marga.
02095

Bibliographies*West Virginia*

Water resources: Gillespie, W. H. 01786

Brazil*Amazon River*

Rate of flow: Davis, L. C., Jr. 01547

Reconnaissance measurements, July 1963:

Oltman, R. E. 00573

British Columbia*Water Resources Service*

Annual report for year 1963: British

Columbia. 00249

California*Alameda County*

Ground water: Thronson, R. E. 00189

Water well standards: Thronson, R. E. 00189

Alameda Creek watershed

Water quality: U.S. Geological Survey. 00248

Central Valley project

American River, Auburn-Folsom South unit, water resources development: U.S. Bureau of Reclamation. 01170

Colorado River area

Land use plan: U.S. Lower Colorado River. 02251

Death Valley National Monument

Hydrologic reconnaissance of Furnace Creek

Wash area: Pistrang, M. A. 00856

Dudley Ridge Water District

Feasibility of service from the State water project: Illingworth, L. R. 01989

Ewing Gulch

Water supply, Hayfork area, Trinity County: California Dept. Water Resources. 00187

Fish Slough Dam and Reservoir

Feasibility investigation: California Dept. Water Resources. 01829

Fresno County

Channel trenching, history and causes: Bull, W. B. 02136

Geomorphology, segmented alluvial fans:

Bull, W. B. 00130

Subsidence: Bull, W. B. 00502

Ground water

Resources and management: Willets, D. B. 00313

Ground-water quality

Crop damage by lithium: Ashe, H. J. 01398

Huntington Lake

Precipitation, Kings River runoff relations:

Barnes, S. M. 01272

Hydrology

Study tour, 13th General Assembly, I.U.G.G., 1963: Anderson, H. W. 02139

Inyo County

Springs, Argus Mountains area: Patchick, P. F. 00978

Kern County

Ground water, declining water levels, Edison-Maricopa area: Wood, P. R. 00928

Klamath River basin

Water resources: California Dept. Water Resources. 01870

California*Laguna Beach*

Foraminiferal trends related to waste outfall: Bandy, O. L. 01819

Lahontan region

Ground water: California Dept. Water Resources. 01072

Lake County

Sedimentation of Lake Pillsbury: Porterfield, George. 00532

Lake Tahoe

Waste disposal effects on the Lake: Ludwig, H. F. 00047

Lake Wohlford

Effect of air bubbling: Kobarg, G. E. 00175

Livermore Valley

Effects of sewage disposal on ground water: Hansen, W. R. 01550

Ground-water investigation: California Dept. Water Resources. 00988

Los Angeles

Baldwin Hills Dam failure: Jessup, W. E. 01446

Baldwin Hills Reservoir failure: California

Dept. Water Resources. 00790

Foraminiferal trends related to waste outfall: Bandy, O. L. 01894

Optimum utilization of water resources through conjunctive use: Fowler, L. C. 00379

Los Angeles basin

Analog and digital computer models of the ground-water basin: Tysor, H. N., Jr. 00777

Concepts and techniques for the most efficient and economical utilization plan: Chun, R. Y. D. 00774

Los Angeles County

Land and water use survey, 1960: California Dept. Water Resources. 01869

Pollution study of proposed Dominguez

Channel: Rambow, C. A. 01343

Water re-use: Parkhurst, J. D. 01535

Well development, Vernon: Williams, J. W. 01709

Lost River system

Water quality management study: Orlob, G. T. 00756

Madera area

Water resources, progress report: California Dept. Water Resources. 01859

Manhattan Beach

Study of sand deposition: Duncan, J. R., Jr. 00392

Mariposa County

Agua Fria Reservoir feasibility study: California Dept. Water Resources. 01858

Mendocino coast hydrographic unit

Land and water use: Finlayson, D. J. 00257

Mt. Shasta City-Dunsmuir area

Water resources: California Dept. Water Resources. 01276

Northeastern

Ground-water data, 1963: California Dept. Water Resources. 00190

California*Northern*

Optimum discharge related to king salmon spawning: Rantz, S. E. 01215

Surface-water hydrology, coastal basins:

Rantz, S. E. 01212

Water industry: Resources for the Future. 02025

Water resources, North Coastal area: Baumli, G. R. 00191

Northern and central

Ground-water conditions, 1960-61:

California Dept. Water Resources. 01983

Ground-water conditions, 1961-62:

California Dept. Water Resources. 01984

Ground-water quality, 1961-1962: California Dept. Water Resources. 01262

Ground-water quality, 1960: California Dept. Water Resources. 01265

Pit River, upper

Water development plan: California Dept.

Water Resources. 00258

Placer County

Hydrologic balance from an experimental watershed: Lewis, D. C. 00354

Pollution control

State legislation: California State Assembly. 02132

Precipitation

Chemical composition, Menlo Park area:

Whitehead, H. C. 00720

Putah-Cache Creeks basin

Land and water use: California Dept. Water Resources. 01286

Radioactivity

Fallout: Kruger, Paul. 00705

Reservoirs

Multiple use, public health aspects: Ongerth, H. J. 01472

River-basin planning and development

State financial assistance to local water development: California State Assembly. 01283

State financial assistance to local water development: California State Assembly. 03017

Russian River hydrographic unit

Land and water use: Finlayson, D. J. 00973

Sacramento County

Ground-water quality, Folsom-East Sacramento area: Lurch, R. C. 00001

Sacramento River

Dissolved oxygen: Gunnerson, C. G. 00678

Plankton: Greenberg, A. E. 01702

Salton Sea area

Water resources appraisal: Hely, A. G. 01305

San Diego County

Flood hazard investigation: Hightower, R. C. 01277

Flood inundation mapping: Young, L. E. 00154

Multipurpose reservoirs: Graham, R. E. 01536

San Joaquin Valley

Ground water: Dale, R. H. 00570

California*San Joaquin Valley*

Ground water: Davis, G. H. 00531

Oil-field brines, disposal: Morris, J. M., Jr. 00396

Surface-water storage in ground-water reservoirs: Davis, G. H. 00531

Santa Barbara County

Ground water, San Antonio Creek valley: Muir, K. S. 00537

Santa Clara County, Permanente Creek

Urban growth and streamflow regimen: Harris, E. E. 00522

Sierra Nevada

Geochemistry, ground water: Feth, J. H. 02123

Logging effects on soil moisture: Ziemer, R. R. 00701

Siskiyou County

Water resources, Shasta Valley: Fairchild, M. G. 02142

Soil and water conservation

Comprehensive planning: Ludwig, H. F. 00112

Southern

Computers for water management: Chun, R. Y. D. 00382

Ground-water quality, 1960: California Dept. Water Resources. 01264

Metropolitan Water District report, 1964:

Miller, D. T. 00253

Water supply conditions, 1961-62: California Dept. Water Resources. 00188

State water project

Progress report, 1963: Go'ze, A. R. 02099

Progress report, 1963: Go'ze, A. R. 02100

Status, 1964: MacRostie, Wayne. 01261

Subsidence

Artesian-pressure decline on confined

aquifers: Green, J. H. 01796

Design and construction studies, California aqueduct: California Dept. Water

Resources. 01816

Surface-water quality

Radioactivity, January-June 1963: California Dept. Public Health. 00385

Radioactivity, July-December 1963:

California Dept. Public Health. 02110

Trinity County

Water supply, Ewing project: California Dept. Water Resources. 00187

Trinity River basin

Land and water use: California Dept. Water Resources. 01832

Waste disposal

Effect on kelp: California University. 01809

Sewerage enabling acts: California Water

Quality Control. 02185

Water law

Ground water: Krieger, J. H. 00023

Jurisdictional considerations water

management: Erlich, Harry. 02129

Water district laws, summary and description:

California State Assembly. 00192

California

- Water plan*
Brief discussion: James, Laurence. 01012
- Water problems*
Arizona vs. California: California State Assembly. 02184
- Water resources*
Information sources: California Dept. Water Resources. 00990
- Water use*
Manufacturing industries, 1957-59: Wagner, R. J. 01570
- West-side conveyance system*
Excavation by nuclear explosives, feasibility: Keysor, J. W. 00920
- Whittier Narrows*
Water reclamation plant: Parkhurst, J. D. 01856

Canada

- Bibliography*
Physical geography, theses and dissertations: Canada Dept. Mines and Tech. Surveys. 00801
- Boundary Waters Treaty*
United States and Canada, prairie region: Thompson, M. W. 02145
- Central*
String bogs, distribution: Knollenberg, Robert. 01698
- Columbia River basin*
Hydrologic network: Hunter, H. I. 00903
- Fraser River*
Tropospheric circulation relation to floods: Bruce, J. P. 00901
- Great Plains*
Snow survey and climatological measurements, relationships: McKay, G. A. 00958
- Ground water*
Alaskan earthquake's effects on water levels: Scott, J. S. 00357
An undeveloped resource: Brown, I. C. 01491
- Keewatin, Hudson Bay district*
Sedimentation: Leslie, R. J. 00010
- Lakes*
Limnology, Great Bear, Great Slave, Athabaska, and Winnipeg Lakes: Larkin, P. A. 00676
- Muskeg*
Hydrologic problems: Ayers, H. D. 00197
- Prairie Provinces*
Daily rainfall occurrence, statistical analysis: Hopkins, J. W. 01918
Precipitation-water vapor relationship: Bruce, J. P. 01710
- St. John River*
Flood forecasting: Cuthbertson, W. B. 00880
- Sunwapta River*
Glacial stream discharge: Mathews, W. H. 01330
Sediment yield of Athabasca Glacier: Mathews, W. H. 01364
- Surface-water quality*
Major drainage basins: Thomas, J. F. J. 01712

Canada

- Water resources activities*
Annual report, 1962-63: Canada Dept. Northern Affairs. 01527
- Water use*
Water power: Engineering Journal. 01750

Channels

- Alluvial*
Braided deposits: Ore, H. T. 00469
Control structures, sand-bed channels: Stepanich, F. C. 01039

Canals

- Chemical sealants and seepage: Willson, R. J. 00107

Changes during flood

- Scour and fill in sand-bed streams: Colby, B. R. 00507

Entrenchment

- History and causes, California, Fresno County: Bull, W. B. 02136

Erosion

- Critical tractive forces during intense rainfall: Smerdon, E. T. 00115
General discussion: Gottschalk, L. C. 01516
Gully development: Tuckfield, C. G. 01837
Study, New Mexico, Rio Puerco River: Nordin, C. F., Jr. 00779

Geometry

- Relation to flood frequency: Kilpatrick, F. A. 00134
River channels: Langbein, W. B. 00765

Modification

- River regulation: Mamak, Wiktor. 01807

Morphology

- Bank erosion, Colville River, Alaska: Walker, H. J. 01706
Bed forms and flow phenomena: Fahnestock, R. K. 00152
Channel processes, model studies: Rzhanitsyn, N. A. 01949
Stable slopes for floodway: Mishtak, J. 01445
Uniformly distributed rate of energy expenditure: Langbein, W. B. 00981

Stabilization

- Hydraulic aspects, Arkansas River: Petersen, M. S. 01036

Vegetated

- Hydraulic resistance relationships for surface flows: Fenzl, R. N. 00105

Chesapeake Bay region

- Chesapeake Bay bridge and tunnel crossing*
Attempts to locate fresh water: Halmos, E. E., Jr. 01406
- Surface-water quality*
Zinc concentrations: O'Connor, J. T. 02234

Chile

- Arica area*
Ground water: Doyel, W. W. 00146
- Rivers*
Copper distribution patterns: deGrys, Ann. 01597
- Santiago area*
Ground water: Doyel, W. W. 00145

Chile

Tierra del Fuego

Ground water, artesian aquifer: Doyel, W. W.
00156

Clay

Analysis

Density gradient separation method:
Lammers, W. T. 01555

Bentonite membranes

Semi-permeability to brines: Milne, I. H.
01459

Cation-exchange constants

Electrochemical measurements: Hanshaw, B.
B. 00656

Clay-water systems

Conductance: Gast, R. G. 00654
Gelation effect on water: Leonard, R. A.
02215
Heat capacities: Oster, J. D. 01298

Desiccation

Mud cracks, formation, salinity effects: Dow,
W. G. 01089

Geochemistry

Permeability blocking: Jones, F. O., Jr. 00738

Ion exchange

Wash solvents, effects on cation-exchange
capacity measurements: Frink, C. R. 01622

Kaolinite

Ground-water formation: Shelton, J. W.
01257
Hydroxyl groups, exchangeability: Halevy, E.
01098

Mineral assemblages

Coastal Plain surface water: Heron, S. D., Jr.
00823

Mobility of ions

Clay-water systems: Gast, R. G. 00654

Montmorillonite

Ionic diffusion, exchange rates, measurement:
Brown, T. E. 00158

Osmotic effects

Salt sieving: Lagerwerff, J. V. 01621

Permeability

Effects of various clay minerals in sandy soil:
Lovas, L. 00373
Measurement: Young, Allen. 00729

Physical properties

Agricultural chemicals behavior: Kunze, G.
W. 01263
Textbook: Marshall, C. E. 01958

Sorption

ABS: Wayman, C. H. 02256
Organic acids, aqueous solution: Hemphill, L.
01153
Radionuclides from river water: Garder,
Karen. 02195
Salt sieving by fluid flow: Kemper, W. D.
01615

Stream sediments

Base-exchange capacity and mineralogy:
Kennedy, V. C. 01268

Turbidity

Removal with ferric sulfate: Black, A. P.
01470

Clay

Volume changes

Unsaturated zone, severe moisture or
temperature conditions: Hamilton, J. J.
00014

Water content

Influence of compaction, review: Meade, R.
H. 00149

Water mobility

Near mineral surfaces: Kemper, W. D. 01366

Weathering and transport

Wyoming, Cheyenne River basin: Rolfe, B. N.
00657

Climatology

Classifications

Koppen and early Thornthwaite systems in
Oklahoma: Doerr, A. H. 01792

Climatic changes

Glacier response, geophysics: Kamb, Barclay.
01127

United States, Southwest: Malde, H. E. 00397

Data

Availability through Weather Bureau: Carter,
H. S. 00078

Energy balance

Methods of calculating mean daily
temperatures and their effect on degree-day
totals: Arnold, K. C. 01488

Glacial studies

Juneau Ice Field, Alaska: Marcus, M. G.
00667

Measurements

Relationships to snow surveys: McKay, G. A.
00958

Paleoclimatology

Calculation of paleo-isohyetal patterns, Oahu,
Hawaii: Ruhe, R. V. 01836
Dust-induced albedo changes of polar ice
sheets: Bloch, M. R. 00342

Water balance

Data for Europe: Mather, J. R. 00836
Data for North America, excluding U.S.:
Mather, J. R. 00955
Data, United States: Mather, J. R. 00959

Weathering

Clay mineralogy, stream sediment: Kennedy,
V. C. 01268

Colorado

Adams County

Ground water, South Platte River basin:
Smith, R. O. 02011
Ground-water planning, South Adams
County: Vaseen, V. A. 00458
Rocky Mountain Arsenal, disposal well:
Scopel, L. J. 01680
Water resources, Prospect Valley area:
Skinner, M. M. 02140

Arkansas River valley, Otero and Bent Counties

Hydrology and ground-water regime:
Moulder, E. A. 00376

Cache la Poudre River basin, lower

Ground water: Hershey, L. A. 00545

Cheyenne County

Ground water: Boettcher, A. J. 02002

Colorado*Denver Basin*

Ground-water data: McConaghy, J. A. 00986

Eagle County

Ruedi dam and reservoir, evaluation of proposed site: Newton, W. A. 00622

Forest zone

Snow evaporation, energy approach: Bergen, J. D. 00902

Fountain and Jimmy Camp Valleys

Ground water: Jenkins, E. D. 02020

Fremont County

Ground-water data: McGovern, H. E. 00028

Kiowa County

Ground water: Boettcher, A. J. 02002

Kiowa Creek basin

Fluvial sediment: Mundorff, J. C. 00866

Larimer County

Ground water: Hershey, L. A. 00545

Northeastern

Ground-water data: Weist, W. G., Jr. 00027

Northern

Limnology of 52 lakes: Patalas, Kaimierz. 01288

Pueblo County

Ground-water data: McGovern, H. E. 00028

Rocky Mountains

Snow evaporation, energy approach: Bergen, J. D. 00902

Washington County

Ground water: McGovern, H. E. 00565

Water resources

Summary: Odell, J. W. 00838

Weld County

Ground water: Hershey, L. A. 00545
Ground water, South Platte River basin: Smith, R. O. 02011
Water resources, Prospect Valley area: Skinner, M. M. 02140

Well records: McConaghy, J. A. 02059

Yuma County

Ground water: Weist, W. G., Jr. 02014

Colorado Plateau*Geomorphology*

Incised, wind-aligned stream patterns: Stokes, W. L. 00100

Colorado River*California*

Annual report, 1963-64: Colorado River Board of California. 00026

Development

Commission report, 1964: Head, I. P. 00202
Plan to supply Arizona: Stout, O. C. 00457

Lower

Water resources appraisal: Hely, A. G. 01305

Storage project

Outline: U.S. Bureau of Reclamation. 01798

Supreme Court decree

Brief review, Arizona vs. California: Haber, David. 01443

Upper

Planning and development, 1964 annual report: Upper Colorado River Commission. 00275

Colorado River*Upper*

Water resources, basic data: Iorns, W. V. 01008

Water use

Central Arizona project: Kelly, Tim. 01483

Colorado River basin*Development*

Pacific Southwest water problems: California State Assembly. 02184

Lower

Land and water resources development plan: U.S. Lower Colorado River. 02251

Surface-water quality

Radioactivity, 1950-63: Wruble, D. T. 01933

Surface-water records, 1950-1960: U.S.

Geological Survey. 02043

Columbia River*Hanford, Washington*

Variations in elemental concentrations: Silker, W. B. 01223

Radionuclides

Coastal waters, 1961-63: Seymour, A. H. 01945

Radionuclides in sediments

Summary of studies, 1963-64: Nelson, J. L. 00411

Transfers of water: Resources for the Future.

02025

Washington

Radiological conditions, near Hanford, 1963: Foster, R. F. 02072

Columbia River basin*Clark County, Washington*

Major alluvial aquifer: Mundorff, M. J. 00524

Development

Columbia basin project: U.S. Bureau of Reclamation. 01582

Lower

Flood magnitude and frequency: Hulsing, Harry. 01251

Upper

Columbia River Treaty and Protocol Agreement: Sewell, W. R. D. 00993

Flood magnitude and frequency: Bodhaine, G. L. 01252

Surface-water records, 1950-1960: U.S. Geological Survey. 01375

Water resources development

Water management planning: Towne, W. W. 00440

Conferences*Alaskan Science Conference, 14th*

Anchorage, 1963: Dahlgren, George. 02075

Arizona Watershed Symposium, 1964.

Wealth from watersheds: Arizona Water Resources Committee. 00868

Deltaic areas' development

Flood control, reclamation, utilization, Bangkok, 1963: United Nations. 01942

Ground water, Bangkok, 1962: United Nations. 02114

Eastern Snow Conference, 1964

Utica, New York: Eastern Snow Conference. 00875

Conferences

- Forest Watershed Management Symposium*
Corvallis, Oregon, 1963: Society of American Foresters. 01690
- Great Lakes Research, 7th*
Toronto, Canada, April 6-7, 1964: Michigan University. 01001
- Industrial Waste Conference, 18th*
Lafayette, 1963: Purdue University. 02057
- Interstate Comm. Potomac River Basin*
Spring meeting, 1964: Interstate Comm. Potomac River Basin. 02134
Winter meeting, 1964: Interstate Comm. Potomac River Basin. 02133
- Natural radiation environment*
International Symposium, Rice University, Houston, Tex., Apr. 10-13, 1963: Adams, J. A. S. 01347
- Nevada Water Conference, 18th*
Carson City, Sept. 1964: Nevada Dept. Conserv. 02143
- Oregon*
State Water Resources Conference: Oregon Water Resources Board. 03027
Willamette River Basin Committee: Oregon Water Resources Board. 03027
- Plowshare Symposium, 3d*
Davis, California, 1964: U.S. Atomic Energy Commission. 01129
- Pollution*
International Conference on Water Pollution Research, 1962: Eckenfelder, W. W. 01024
International Conference on Water Pollution Research, 1962: Pearson, E. A. 02097
International Conference on Water Pollution Research, 1962: Southgate, B. A. 01025
- River basin planning*
Organization and development: Kindsvater, C. E. 01100
- Sanitary and Water Resources Engineering*
Nashville, Tenn., May 1964: Krenkel, P. A. 01340
- Surfactant behavior*
Kendall Award Symposium, Philadelphia, 1964: American Chemical Society. 00246
- Water for Texas Conference*
College Station, 1964, water quality and chemicals: Texas A and M University. 00473
- Water resources, use and management*
Australia, 1963: Australian Academy of Science. 01300
- West Virginia*
Water Research Symposium, 1963: Dodson, C. L. 01785
- Western Resources Conference, 5th*
Colorado State University, 1963: McNickle, R. K. 01787
- Western Snow Conference*
Nelson, British Columbia, 1964: Western Snow Conference. 00493
- Western Water Law Symposium*
Los Angeles, Calif., 1963: Dickenson, R. W. 01804

Connecticut*Coastal area*

- Postglacial sea-level change, New Haven harbor: Upson, J. E. 01838
Stratford area, interim hurricane survey: U.S. Army Corps of Engineers. 01384

Hartford County

- Bristol-Plainville-Southington area, ground water: LaSala, A. M., Jr. 01255
Bristol-Plainville-Southington area, ground-water data: LaSala, A. M., Jr. 00985
Farmington-Granby area, ground water: Randall, A. D. 00536
Farmington-Granby area, ground-water data: Randall, A. D. 01855
Hartford-New Britain area, water resources: Cushman, R. V. 00515

Housatonic River basin

- Flood protection project: U.S. Army Corps of Engineers. 01180

North-central

- Ground water: Cushman, R. V. 00555
Ground-water data: Cushman, R. V. 01867

Cumberland and Tennessee River basins

- Flood magnitude and frequency*: Speer, P. R. 02029

Surface water

- Records, compilation, 1950-60: U.S. Geological Survey. 02041

Czechoslovakia*Elbe River*

- Variability of average discharge: Urban, Jaroslav. 01634

Precipitation

- Variability: Petrlik, Jaroslav. 00322

Dams*Grouting*

- Evaluation, unit take concept: Grant, L. F. 01540
Modern alluvial methods: Fabregue, H. 01539
Oroville Dam, test grouting: O'Neill, A. L. 01543
Round Butte Dam, geologic influence: Campbell, D. G. 01538

Spillway design

- Large structures, adequate data: Snyder, F. F. 00771
Large structures, limited data: Koelzer, V. A. 00769
Small structures, limited data: Ogrosky, H. O. 00770

Delaware*Bethany Beach area*

- Hydrologic and soils map: Boggess, D. H. 00613

Clayton area

- Hydrologic and soils map: A dams, J. K. 00584

Delaware*Dover quadrangle*

Hydrologic and soils map: Adams, J. K.
00125

Ellendale quadrangle

Hydrologic and soils map: Adams, J. K.
00597

Frankford area

Hydrologic and soils map: Adams, J. K.
00611

Georgetown quadrangle

Hydrologic and soils map: Boggess, D. H.
00602

Greenwood quadrangle

Hydrologic and soils map: Boggess, D. H.
00595

Harbeson quadrangle

Hydrologic and soils map: Adams, J. K.
00603

Harrington quadrangle

Hydrologic and soils map: Davis, C. F. 00123

Hickman area

Hydrologic and soils map: Adams, J. K.
00596

Laurel area

Hydrologic and soils map: Boggess, D. H.
00614

Lewes area

Hydrologic and soils map: Adams, J. K.
00599

Marydel area

Hydrologic and soils map: Davis, C. F. 01965

Middletown area

Hydrologic and soils map: Boggess, D. H.
00583

Milford quadrangle

Hydrologic and soils map: Boggess, D. H.
00122

Milton quadrangle

Hydrologic and soils map: Boggess, D. H.
00598

Missippion River quadrangle

Hydrologic and soils map: Davis, C. F. 00124

New Castle County

Ground water, southern part: Rima, D. R.
00894

Rehobeth Beach area

Hydrologic and soils map: Boggess, D. H.
00604

Seaford East quadrangle

Hydrologic and soils map: Adams, J. K.
00601

Seaford West area

Hydrologic and soils map: Boggess, D. H.
00600

Sharptown area

Hydrologic and soils map: Adams, J. K.
00585

Smyrna area

Hydrologic and soils map: Boggess, D. H.
00582

Taylors Bridge area

Hydrologic and soils map: Adams, J. K.
00581

Delaware*Trap Pond area*

Hydrologic and soils map: Adams, J. K.
00612

Wilmington area

Hydrologic and soils map: Adams, J. K.
00580

Delaware River*Estuary*

Dispersion of pollutants, analog computation:

O'Connor, D. J. 01154

Photosynthetic oxygenation study: Hull, C. H.
J. 02172

Water quality management and forecasting:
Thomann, R. V. 01852

Water quality

Trenton, New Jersey: McCarthy, L. T., Jr.
00861

Delaware River basin*Coastal area*

Interim hurricane survey: U.S. Army Corps
of Engineers. 01184

Water resources

Comprehensive report: Parker, G. G. 00131

District of Columbia*Ground water*: Johnston, P. M. 02067*Metropolitan area*

Interim hurricane survey: U.S. Army Corps
of Engineers. 00498

Dominican Republic*Estancia Nueva*

Water-supply investigation by Peace Corps
volunteer: Milmo, Meg. C1588

Drought*Characteristics*

Definition, Michigan streams: Gannon, J. J.
01720

Definition, Michigan streams: Gannon, J. J.
01721

Description, analysis, hydrologic relations:

Hudson, H. E., Jr. 02148

Determination based on duration curves:

Balek, Jaroslav. 01758

Michigan streams: Gannon, J. J. 00992

Occurrence, probability: Banerji, S. 01766

New York

Statement of the problem: New York

Temporary State Comm. 01373

Southwest

Effects, water resources: Gatewood, J. S.
01013

Earthquakes*Alaska*

Discussion, well water system: Johnson

Drillers Journal. 00335

Seward area, subsurface conditions: Shannon
and Wilson, Inc. 00628

Mississippi embayment

Water load, crustal movement relation:

McGinnis, L. D. 01307

Water-level changes

Georgia: Vorhis, R. C. 00945

Tennessee: Wilson, J. M. 00400

Texas, Bexar County: Montgomery, Porter.
00820

Earthquakes

Water-level changes

Texas High Plains, water well damage: Miller, W. D. 00095

Use of wells in detecting earthquakes and explosions: Carragan, William. 01528

Winnipeg and Ottawa, Alaskan earthquakes: Scott, J. S. 00357

Ecology

Worldwide

Environmental limits, earth scientists' view: Hubbert, M. K. 02150

Education

Earth science

Curricula, secondary school: Earth Science Curriculum Project. 01029

Emergency water supplies

Wells

Cost effectiveness: Panero, G. B. 02144

Eagland

Cumberland

Radioecology related to effluent from Windscale Works: Mauchline, John. 01218

Radioecology related to effluent from Windscale Works: Mauchline, John. 01571

Erosion

Alluvial fans

California, western Fresno County: Bull, W. B. 00130

Arid regions

Piping: Parker, G. G. 00319

Beaches

Profile development: Duncan, J. R., Jr. 00392

Channels

Rainfall effects on critical tractive forces:

Smerdon, E. T. 00115

Study, channel erosion, sediment transport: Nordin, C. F., Jr. 00779

Control

Channel slope design for floodway: Mishtak, J. 01445

Crop rotation and soil treatment: Webber, L. R. 00642

Soil fertility: Peterson, J. B. 00639

Soil wetability factors: Osborn, J. F. 01015

Denudation rates

United States: Judson, Sheldon. 00725

Examples

General discussion: Clemson, Donovan. 01075

Gullying

Control needs: Bertrand, A. R. 00649

Development on convex slopes: Tuckfield, C. G. 01837

Effect of watershed variables: Thompson, J. R. 00106

Landforms

Implications of statistical mechanics:

Scheidegger, A. E. 01291

Landslides

Beattie Mine, Quebec, Canada: Eden, W. J. 00987

Meikle River valley, Alberta, Canada: Nasmith, Hugh. 01269

Erosion

Measurement

Gully-head advancement, effect of watershed variables: Thompson, J. R. 00106

Processes

Principles: Robins, J. S. 01636

Waterdrop impact forces: Palmer, R. S. 00321

Rainfall

Intensity related to soil texture: Moldenhauer, W. C. 01168

Rivers

Alaska, Colville River delta: Walker, H. J. 01706

Meanders, theory, history: Apmann, R. P. 01904

Sheet

General discussion: Gottschalk, L. C. 01516

Soil

Relation to soil properties: Wooldridge, D. D. 01618

Watersheds

Estimating long-term sediment yield: Piest, R. F. 00320

Weathering

Silica increase in streams during high flows: Davis, S. N. 01841

Wind

Effect of small ridges (1-27 cm): Armbrust, D. V. 01624

Europe

Central, Variscian platform

Origin and occurrence of carbon dioxide and gaseous mineral water: Vrba, Jaroslav. 01425

Evaporation

Control

Effect of wind: Irrigation Engineering and Maintenance. 00330

Lakes

Annual and monthly extremes, Lake Ontario: Richards, T. L. 00996

Study, Great Lakes, recent developments:

Richards, T. L. 01552

Variation, causes, Lake Erie evaporation:

Derecki, J. A. 00997

Measurement

Daily records compared to meteorological variables: Pelton, W. L. 00982

Instrumentation and techniques: Veihmeyer, F. J. 02049

Salt accumulation and distribution as an indicator: Doering, E. J. 00289

Weekly, with modified rain gauge: Smith, A. D. 00018

Measurements

Estimating evaporation from insolation: Lane, R. K. 00785

Rates

Cooling ponds, forced evaporation estimation: Harbeck, G. E., Jr. 00044

Effect of wind: Irrig. Eng. and Maintenance. 00330

Sources, apparent diffusivities, forest cover: Denmead, O. T. 01988

Evaporation*Research*

Radiation index, potential insolation: Lee, Richard. 02149

Snow

Rocky Mountain forest: Bergen, J. D. 00902

Soil surfaces

Effect of fatty alcohols: Aubertin, G. M. 00081

Effects of fatty alcohol and a nonionic surfactant: Law, J. P., Jr. 01160

Effects of soil shrinkage cracks: Adams, J. E. 01612

Solar radiation

Computation method: Koberg, G. E. 00129

Textbook discussion

Handbook of Applied Hydrology: Veihmeyer, F. J. 02049

Evaporation suppression*Lakes*

Effect of air bubbling: Koberg, G. E. 00175

Methods

General discussion of new products: Muckel, D. C. 01456

Monomolecular films

Decomposition of long-chain fatty alcohols: Golden, Anthony. 01479

Hexadecanol, spreading specifications: LaMer, V. K. 01682

Results from Arizona test ponds: Cluff, C. B. 02189

Wave effects: Healy, T. W. 00247

Reservoirs

Research, Texas: Meinke, W. W. 00952

Soils

Effect of hexadecanol: Olsen, S. R. 00278

Effects of fatty alcohol and a nonionic surfactant: Law, J. P., Jr. 01160

Sodium dimethyldithiocarbamate, effect on water uptake, transpiration, and stomatal openings: Thorn, G. D. 02248

Evapotranspiration*Cropping effects*

Effect of soil moisture regime: Bennett, O. L. 01458

Forests

Logging effects on soil moisture: Ziemer, R. R. 00701

Grass

Prediction method in meadow: Shaw, R. H. 00084

Measurement

Arid regions: Sellers, W. D. 01559

Assessment of Penman and Thornthwaite systems: Smith, K. 01438

Blaney-Criddle method: Blaney, H. F. 01243

Brief descriptions: Kohler, M. A. 02210

Cyclic relation to net radiation: Pruitt, W. O. 00114

Influence of advective energy: Abdel-Aziz, M. H. 00083

Moisture adequacy

Relation of the index to crop distribution in India: Subrahmanyam, V. P. 00329

Evapotranspiration*Rates*

Estimated from climatological data: Turner, R. 01601

Research

Plants, drought tolerance: Lange, Willy. 01664

Textbook discussion

Handbook of Applied Hydrology: Lull, H. W. 02061

Handbook of Applied Hydrology: Veihmeyer, F. J. 02049

Water balance

Leaf-water content, indicator of environmental stress: Bliss, L. C. 01887

Flood control*Bibliography*

Flood damage prevention: Tennessee Valley Authority. 02033

Deltaic areas

Developmental aspects: United Nations. 01942

Manitoba

Red River water control program: Water Well Journal. 01591

Mississippi River valley, lower

Federal activities, history: U.S. Mississippi River Commission. 00930

Oregon

General discussion: Talbott, W. J. 02247

Reservoir regulation

Merrimack River basin: Childs, E. F. 00234

Textbook discussion: Rutter, E. J. 01026

Small watersheds

Transmission losses of loessial watersheds: Allis, J. A. 01466

Flood forecasting*Basic data requirements*

General discussion: Norderson, T. J. 01519

Meteorological controls

Atmospheric circulation: Bruce, J. P. 00901

Methods

General description: Apollon, B. A. 01739

General discussion: Norderson, T. J. 01519

Model studies

Hydrological simulation program:

Cuthbertson, W. B. 00880

River forecasting program

Digital computers, use: McCallister, J. P. 01762

Flood magnitude and frequency*Areal determinations*

Alaska, south of Yukon River: Berwick, V. K. 01299

California, northern coastal basins: Rantz, S. E. 01212

Cumberland and Tennessee River basins:

Speer, P. R. 02029

Louisiana, data, analysis, through 1960:

Sauer, V. B. 01724

Louisiana, southeastern: Sauer, V. B. 00388

Lower Mississippi River basin: Patterson, J. L. 01208

Mississippi, southwestern: Sauer, V. B. 00388

New Jersey: Thomas, D. M. 00144

New Jersey: Thomas, D. M. 00231

Flood magnitude and frequency

Areal determinations

- New Jersey: Thomas, D. M. 02034
- North Atlantic slope basins, Maine to Connecticut: Green, A. R. 01249
- Pacific slope basins in Oregon and lower Columbia River basin: Hulsing, Harry. 01251
- Pacific slope basins in Washington and upper Columbia River basin: Bodhaine, G. L. 01252
- San Diego County, inundation mapping: Young, L. E. 00154
- South Atlantic slope basins, James River to Savannah River: Speer, P. R. 01207
- Southwestern United States, determining factors: Benson, M. A. 00520

Bridge and culvert design

- Basin characteristics, effects on: Bodhaine, G. L. 01017

Statistical methods

- Risk criteria: Borgman, L. E. 01033

Textbook discussion

- Handbook of Applied Hydrology*: Dalrymple, Tate. 02074

Flood plains

Planning and regulation

- Adjustment to floods, choices: White, G. F. 01927
- Adjustments and regulations: White, G. F. 01520
- Comparison of river and seashore: Burton, Ian. 01394
- Flood-plain management: Goddard, J. E. 01037
- General discussion: Sutton, W. G. 02117
- Neglected alternatives, flood-plain protection: Resources for the Future. 00934

Flood routing

Bergeron's method

- Mathematical model, transient riverflow, using computer: Kindingstad, Eivind. 00941

Methods

- Bibliography and discussion: Yevdjovich, V. M. 01380

Model studies

- Digital computers, use: McCallister, J. P. 01762

Textbook discussion

- Handbook of Applied Hydrology*: Lawlor, E. A. 02063

Floods

Damage abatement

- Bibliography, flood damage prevention: Tennessee Valley Authority. 02033
- Neglected alternatives, flood-plain utilization: Resources for the Future. 00934
- Study, Kentucky: Parker, F. H. 00495

Effect on vegetation

- General discussion: Sigafoos, R. S. 00510

Flood characteristics

- Textbook discussion: Dalrymple, Tate. 02074

Flow determination

- Textbook discussion: Dalrymple, Tate. 02074

Floods

Hawaii

- Basic data through June 1964: Hoffard, S. H. 00216
- Basic data through June 1963: Vaudrey, W. C. 01260

Kansas

- Storage requirements for control: Furness, L. W. 01452

Louisiana

- Baton Rouge area, 1962: Camp, J. D. 00616

Louisiana and adjacent states

- April-May 1958: Smith, R. F. 00535

Mississippi

- Data, 1962: Neely, B. L., Jr. 03034
- Data, 1961: Wilson, K. V. 03132
- Pearl River at Jackson, 1961: Shell, J. D. 00617

New England

- Historical floods: Thomson, M. T. 00855

Ohio

- March 1964: Cross, W. P. 00269
- March, June 1963: Cross, W. P. 00923

Ohio and adjacent states

- January-February 1959: U.S. Geological Survey. 01322

Piedmont province

- Frequency relation to channel geometry: Kilpatrick, F. A. 00134

Risk evaluation

- Mathematical model for flood risk evaluation: Shane, R. M. 00791

Small watersheds

- Damages, types and magnitude: Ford, E. C. 00651

Southeastern Kentucky and adjacent areas

- January-February 1957: U.S. Geological Survey. 01294

Spillway design

- Large structures, adequate data: Snyder, F. F. 00771
- Large structures, limited data: Koelzer, V. A. 00769
- Small structures, limited data: Ogrosky, H. O. 00770

Textbook discussion

- Handbook of Applied Hydrology*: Dalrymple, Tate. 02074

United States

- Description and data, 1956: U.S. Geological Survey. 01205
- Description and data: U.S. Geological Survey. 01211

Florida

Alachua County

- Water resources: Clark, W. E. 01730
- Water resources data: Clark, W. E. 01285

Artesian wells

- Correlation analyses of water levels: Healy, H. G. 00176

Bay County

- Dammed estuary, Deer Point Lake: Toler, L. G. 00967

Bibliographies

- Ground water: Hyde, L. W. 01494

Florida*Biscayne aquifer*

Hydrology: Tarver, G. R. 00979

Saline-water intrusion: Cooper, H. H., Jr. 00527

Bradford County

Water resources: Clark, W. E. 01730

Water resources data: Clark, W. E. 01285

Broward County

Ground water, Pompano Beach area: Tarver, G. R. 00979

Clay County

Water resources: Clark, W. E. 01730

Water resources data: Clark, W. E. 01285

Dade County

Saline-water intrusion: Cooper, H. H., Jr. 00527

Saline-water intrusion, Miami area: Kohout, F. A. 00805

Everglades National Park

Water problems, discussion: Tilden, P. M. 01924

Water problems, measures needed: Tilden, P. M. 01923

Fort Lauderdale area

Interim hurricane survey: U.S. Army Corps of Engineers. 01174

Glades County

Ground water: Klein, Howard. 01729

Ground-water—surface-water relations

Discussion of principal artesian aquifer: Stringfield, V. T. 00162

Heavy radioelements

Distribution in rocks and waters: Osmond, J. K. 02105

Hendry County

Ground water: Klein, Howard. 01729

Hernando County

Ground water, southern part: Wetterhall, W. S. 01731

Hillsborough County

Water resources data: Menke, C. G. 01885

Hydrologic data

Index to data-collection stations, 1961: U.S. Geological Survey. 00210

Intra-coastal waterway

Salt-water leakage: Clark, W. E. 02078

Lake Maggiore

Oxygen depletion effects: Reid, G. K. 00942

Lakes

Maps showing depth: Kenner, W. E. 01886

Northeast

Ground water: Leve, G. W. 01863

Northern

Water resources planning: Conway, C. M. 00951

Northwest

Subsurface waste disposal: Batz, M. E. 01083

Orange County

Water resources: Lichtler, W. F. 01749

Pasco County

Ground water: Wetterhall, W. S. 01731

Sarasota County

Saline-water intrusion, Venice area: Clark, W. E. 02078

Florida*Snake Creek Canal*

Saline-water movement, control-dam operation: Kohout, F. A. 00805

Southern

Generalized water-table contours: Hoy, N. D. 00804

Surface- and ground-water relations in a highly permeable environment: Sherwood, C. B. 01878

Southwestern

Sedimentary record, sea-level changes: Scholl, D. W. 00391

Sedimentary record, sea-level changes: Scholl, D. W. 00393

St. Andrew Bay

Strength of sediment: Holmes, C. W. 00222

Union County

Water resources: Clark, W. E. 01730

Water resources data: Clark, W. E. 01285

Fluid flow*Dispersion*

Extension of Darcy's concept: Skibitzke, H. E. 00133

Spread of dye stream: Ogata, Akio. 01969

Instrumentation

Small-volume-flow meter: Castelli, J. A. 01874

Measurement

Discharge from pipes: Johnson, H. P. 00079

General discussion: Neale, L. C. 01069

Mechanics

Fundamentals: Albertson, M. L. 01511

Model studies

Gravity drainage: Liakopoulos, A. C. 00484

Overland and ground-water flow: Henderson, F. M. 00708

Systematic approach: Reisman, A. 00358

Techniques and uses: Flanigan, L. J. 01066

Multiphase

Review of theories: Stallman, R. W. 00132

Numerical methods

Similarity of two-flow system: Schilson, R. E. 00744

Open channels

General discussion: Albertson, M. L. 01511

Porous media

Dispersion, with adsorption, mathematics: Ogata, Akio. 01267

Free-surface flow, transformation: Yih, Chia-Shun. 01149

Stream functions for three-dimensional flow: Nelson, R. W. 00374

Theoretical aspects, unsaturated anisotropic material: Liakopoulos, A. C. 02162

Velocity and distribution: Timur, A. 00815

Resistance

Froude number: Rouse, Hunter. 00481

Spiral flow

Theory, history: Apmann, R. P. 01904

Stratified

Stability down inclined plane: Kao, T. W. 00004

Textbook: Sabersky, R. H. 02C26

Fluid flow

Theory

Air-water in porous media: Brooks, R. H.

00209

Burdine equations: Brooks, R. H. 00209

Thin sheet

Numerical analysis: Yu, Y. S. 00479

Turbulent

Alluvial channel model studies: Sayre, W. W. 01191

Disintegration of a water jet: Chen, Tsu-Fang. 00036

General discussion: Bowden, K. F. 01910

Limestone solution: White, W. B. 00631

Measurement of turbulence: Cermak, J. E. 00208

Theory: Smith, W. O. 01968

Unsteady

Bibliography and discussion: Yevdjovich, V. M. 01380

Waterflow in pipes

Discharge coefficient: Bassett, D. C. 01271

Forests

Erosion

Pre-logging studies, Alsea River basin tributaries, Oregon: Williams, R. C. 01192

Evaporation

Sources, apparent diffusivities: Denmead, O. T. 01988

Hydrology

General discussion: Storey, H. C. 01518.

Leaf litter

Effect on surface-water quality: Slack, K. V. 00139

Logging

Effects on water quality and erosion:

Hornbeck, J. W. 00641

Management

Effects on stream ecology: Chapman, D. W. 02188

Logging effects on soil moisture: Ziemer, R. R. 00701

Oregon: Richen, C. W. 02240

Multiple use

Effects, northern Rocky Mountain region:

Wellner, C. A. 00916

Rocky Mountain

Snow evaporation, energy approach: Bergen, J. D. 00902

Snowmelt

New York: Satterlund, D. R. 00877

Geochemistry

Brines

Concentration mechanism, subsurface formations: Rittenhouse, Gordon. 02241

Concentration mechanism, subsurface formations: Bredehoeft, J. D. 02181

Contamination determination, Walnut River: Leonard, R. B. 01332

Oil field, east Texas: Hawkins, M. E. 01947

Solar evaporation, physical chemistry:

Hadzegeriga, Pablo. 00630

Geochemistry

Calcite

Coprecipitation with Sr^{+2} : Holland, H. D. 01742

Carbon isotopes

Cycle in New England lakes: Deevey, E. S., Jr. 01892

Carbonate

Equilibria, natural waters, high pH:

Roberson, C. E. 00096

Evolution of cave water: Holland, H. D. 01566

Saturation, degree, natural waters: Hostetler, P. B. 01719

Solubility: Morey, G. W. 00243

Solution alteration, effects of temperature and pressure: Sippel, R. F. 01355

Clays

Chemistry and mineralogy: Marshall, C. E. 01958

Clay-water relations

Base-exchange capacity and mineralogy:

Kennedy, V. C. 01268

Permeability blocking by clay: Jones, F. O., Jr. 00738

Residual OH: Carter, J. L. 00241

Sorption of organic acids: Hemphill, L. 01153

Sorption, radionuclides from river water:

Garder, Karen. 02195

Water content, clayey sediments, during compaction: Meade, R. H. 00149

Connate water

Appalachia: Heck, E. T. 01019

Copper

Distribution, soils and drainage, Chile:

deGrys, Ann. 01597

Deuterium

Variation in natural waters: Friedman, Irving. 00386

Dolomite

Solubility: Barnes, Ivan. 01970

Evaporites

Salt migration and deposition, Great Salt

Lake: Adams, T. C. 00943

Fluoride

Ground water, Oasis Valley, Nevada:

Malmberg, G. T. 00141

Gases

Solubility: Douglas, Everett. 00239

Ground water

Nevada Test Site: Schoff, S. L. 02027

Nevada, Washoe County: Cohen, Philip. 00895

Radium-226 and radon-222 distribution: Tanner, A. B. 00463

Salt contributions by rainfall Texas: Fanning, C. D. 00638

Sources, mineral content, water from granitic terrane: Feth, J. H. 02123

Sulfate-carbonate systems, composition calculation: Hall, F. R. 01630

Heavy radioelements

Distribution in rocks and water: Osmond, J. K. 02105

Geochemistry*Hydroxyapatite*

Formation and behavior: Cosaro, Gerald.
00063

Ion exchange

Hydroxyl groups, kaolinite: Halevy, E. 01098

Iron

Effect of yellow organic acids and natural water: Shapiro, Joseph. 00966

Ground water in southern Maryland: Barnes, Ivan. 01567

Kaolinite

Ground-water origin: Shelton, J. W. 01257

Kentucky

Blue Grass region: Hendrickson, G. E. 00551

Lakes

Theoretical model applied to Great Lakes: Kramer, J. R. 01233

Manganese oxides

Deposition and solution: Hem, J. D. 00539

Marshes

Seasonal chemical changes: Yaalon, D. H. 00367

Mine waters

Strip-mine lakes: Parsons, J. D. 01304
Theoretical considerations: Barnes, Ivan. 00508

Montmorillonite

Cation-exchange rates: Brown, T. E. 00158

Nitrate

Occurrence in precipitation: Gambell, A. W. 01296

Phosphate

Equilibrium, sediments and water: Olsen, Sigurd. 02109

Saline water

Phillipsite formation: Hay, R. L. 02094

Sea water

Lithium content: Riley, J. P. 01091
Rubidium, cesium, barium distributions: Bolter, Ernst. 01741

Sediment

Mud-water interface, review: Hayes, F. R. 01938

Suspended, effects on water quality: Gunnerson, C. G. 01644

Silica

Variability in natural water: Davis, S. N. 01841

Sodium

Cycle during geologic time: Livingstone, D. A. 00677

Exchangeability related to hydraulic conductivity: Martin, J. P. 01158

Source and movement in ground water: Olmsted, F. H. 00140

Soils

Movement and retention of chemicals: Kunze, G. W. 01263

North Dakota, wet saline area: Sandoval, F. M. 01611

Soil-water relations

Salt sieving of flow through porous media: Kemper, W. D. 01615

Geochemistry*Solution*

Calcium aluminoferrites: Carlson, E. T. 00931

Dolomite: Barnes, Ivan. 01970

Sulfate

Occurrence in precipitation: Gambell, A. W. 01296

Surface water

Dissolved oxygen: Gunnerson, C. G. 00678

Suspended sediment—water quality interrelationships: Gunnerson, C. G. 01644

Thermal waters

Natural systems and experimental interactions: Ellis, A. J. 01099

Uranium

Bancroft-Haliburton region, Canada: Chamberlain, J. A. 00193

Use in quantitative hydrology

Ground-water movement, Jordan Sandstone: Maderak, M. L. 00173

Water

Classification method: Schoeller, H. 01643

Zinc

Soluble-adsorbed equilibrium in natural waters: O'Connor, J. T. 01868

Geomorphology*Alluvial fans*

Erosion and deposition: Bull, W. B. 00130

Near-surface subsidence: Bull, W. B. 00502

Sedimentation: Bluck, B. J. 00225

Alluvial processes

Flume studies, small streams in alluvium:

Ackers, Peter. 00772

Implications of statistical mechanics:

Scheidegger, A. E. 01291

Lithologic variations in slope development

theory: Scheidegger, A. E. 00572

Sorting: Jopling, A. V. 00726

Arid regions

Piping as erosion process: Parker, G. G. 00319

Chronology

Postglacial lake levels: Terasmae, J. 01234

Drainage patterns

Aerial photography: Lohman, S. W. 01145

Analysis, subsurface structure: Doeringsfeld, W. W., Jr. 01681

Development on upraised floor of Hebgen Lake, Montana: Morisawa, Marie. 00098

Divide shifting, Ohio and Monongahela

Rivers: Fridley, H. M. 00461

Horton's laws, modified stream-ordering techniques: Bowden, K. L. 02179

Loup River, Nebraska: Brice, J. C. 00500

Physical and other data used to illustrate

Horton's classification: Panitz, Eric. 01581

Quantitative landform analysis: Strahler, A. N. 01028

Stream morphology, comparative analysis:

Woodruff, J. F. 01150

Use in exploration of subsurface soil

conditions: Erb, D. K. 00181

West Virginia: Burford, A. E. 01344

Wind aligned: Stokes, W. L. 00100

Geomorphology*Entropy concept*

- Validity shown by statistical mechanics:
Scheidegger, A. E. 01291

Erosion

- Denudation rates, United States: Judson,
Sheldon. 00725
Equilibrium — humid-climate physiographic
processes: Holmes, C. D. 01463
Retreat of lakeshore bluffs: Pincus, H. J.
01038

Flood plains

- Ancient: Ray, L. L. 00151

Fluvial processes

- Dunes and ripples: Kennedy, J. F. 00706
Textbook: Leopold, L. B. 00672

Indiana

- Mitchell Plain, paleohydrology: Powell, R. L.
01599

Landforms

- Analysis, subsurface structure: Doeringsfeld,
W. W., Jr. 01681
Evolution, identification, selected types:
Balster, C. A. 01128
Tidal flats: Klein, G. D. 01259
United States: Hammond, E. H. 01284
Zanjon, Puerto Rico: Monroe, W. H. 02098

Limestone terrane

- Solution subsidence: Herrick, S. M. 01768

Puerto Rico

- River nickpoints: Jones, C. T. 00198

Regime analysis

- River slopes: Blench, Thomas. 00760

Rivers

- Channel geometry: Kilpatrick, F. A. 00134
Channel geometry: Langbein, W. B. 00765
Channel morphology, quasi-equilibrium
states: Langbein, W. B. 00981
Fluid flow in bends, history: Apmann, R. P.
01904
Profiles, uniform discharge: Langbein, W. B.
00150
River net structure, regularities: Rzhansitsyn,
N. A. 01949
Stream junction angles: Lubowe, J. K. 01842
Subsurface exploration and chronology of
underfit streams: Dury, G. H. 00504
Underfit streams: Dury, G. H. 00503

Sea-level changes

- Postglacial rise, Connecticut: Upson, J. E.
01838

Shore features

- Cusp formation: Flemming, N. C. 00221

String bogs

- Distribution, relation to climate: Knollenberg,
Robert. 01698

Textbooks

- Fluvial processes: Leopold, L. B. 00672

Georgia*Ashland Mica Schist*

- Aquifer characteristics: Sever, C. W. 00169

Baker County

- Solution subsidence, limestone terrane:
Herrick, S. M. 01768

Georgia*Chattooga County*

- Ground water in the Paleozoic rock area:
Cressler, C. 01884

Coastal Plain

- Logs of selected wells: Applin, E. R. 01495

Dade County

- Ground water: Croft, M. G. 01728

Dawson County

- Ground water, crystalline rocks: Sever, C. W.
01726

- Hydrology, Georgia Nuclear Laboratory:
Stewart, J. W. 01131

- Permeability, infiltration, weathered rock:
Stewart, J. W. 02151

- Water-level changes, earthquake-induced:
Vorhis, R. C. 00945

Georgia Nuclear Laboratory

- Ground-water tests, at waste disposal pit:
Stewart, J. W. 02151

- Hydrology: Stewart, J. W. 01131

Mitchell County

- Solution subsidence, limestone terrane:
Herrick, S. M. 01768

Savannah area

- Saline-water intrusion: McCollum, M. J.
02127

- Saline water water intrusion: McCollum, M. J.
00528

Southeast

- Ground-water—surface-water relations:
Stringfield, V. T. 00162

Streams

- Sedimentation: Kennedy, V. C. 00540

Walker County

- Ground water: Cressler, C. W. 01727

Water resources

- Summary, for industrial use: Whitlatch, G. I.
01774

Glaciers*Athabasca Glacier, Canada*

- Sediment yield: Mathews, W. H. 01364
Stream discharge related to prior mean daily
temperatures and precipitation: Mathews,
W. H. 01330
Variations in velocity related to stream
discharge: Patterson, W. S. B. 01356

Duart Lake area glacier complex

- Bruce Mountains, Baffin Island, N.W.T.:
Harrison, D. A. 00008

Gilman Glacier, Ellesmere Island, Canada

- Meteorological and glaciological
observations, 1961: Sagar, R. B. 01281

Lemon Creek Glacier, Alaska

- Mass budget, 1953–1958: Heusser, C. J. 01357

Muldrow Glacier, Alaska

- Ice surges: Harrison, A. E. 01355

*Popular account: Stoertz, C. R. 02031**Teton Glacier*

- Recent retreat: Reed, J. C., Jr. 00159

Textbook discussion

- Handbook of Applied Hydrology*: Meier, M. F.
02058

Glaciology*Alaskan coastal glaciers*

Terminal position changes, inventory: Miller, M. M. 01031

Climatic changes

Glacier flow, geophysics: Kamb, Barclay. 01127

Comprehensive discussion

Worldwide basis: Mellor, Malcolm. 02220

Glacier mapping

Duart Lake area, Bruce Mountains, Baffin Island, N.W.T.: Harrison, D. A. 00008

Ice movement

Variations in velocity related to stream discharge: Patterson, W. S. B. 01356

Instrumentation

Thermal core drill, portable: Shreve, R. L. 00340

Jokulhaup

Athabasca Glacier, Canada: Mathews, W. H. 01330

Juneau Ice Field, Alaska

Climate-glacier studies: Marcus, M. G. 00667

Mass budget

Field test of Nielsen's equations for equilibrium glacier: Heusser, C. J. 01357
Investigations in Norway: Ostrem, Gunnar. 00348

Polar ice sheets, dust-induced albedo changes: Bloch, M. R. 00342

Recent research: Hoinkes, H. C. 00389

Subglacial water pressure: Mathews, W. H. 00341

Theory, worldwide distribution and changes: Shumskiy, P. A. 02101

Polar icecaps

General discussion: Bauer, A. 01103

Structural

Textbook: Shumskii, P. A. 01778

Textbook discussion

Handbook of Applied Hydrology: Meier, M. F. 02058

Thermal budget

Methods of calculating mean daily temperatures and their effect on degree-day totals: Arnold, K. C. 01488

Glossary

Lake terminology: Veatch, J. O. 02048

Great Lakes*Chemistry*

Theoretical model for composition: Kramer, J. R. 01233

Connecting channels

Stage-fall discharge equations: Quinn, F. H. 01374

Currents

Turbulence and diffusion: Csanady, G. T. 01239

Evaporation

Annual and monthly extremes: Richards, T. L. 00996

Study, recent developments: Richards, T. L. 01552

Ice cover

Meteorological aspects: Richards, T. L. 01138

Great Lakes*Imported water supply*

Desalinization, James Bay: Philbrick, A. K. 00013

Lake-effect snow

Radar observations: Lansing, Livingston. 00962

Limnology

Research organizations, programs: Chandler, D. C. 02174

Precipitation

Comparison of shore and lake quantities: Kresge, R. F. 00323

Regional Data Center

Formation and functions: Curry, L. W. 01376

Research

Conference, 7th, 1964: Michigan University. 01001

Water levels

Forecasting: Megerian, Edmond. 01236
General description: Canada Water Resources Branch. 00567

Water management

Water use, pollution control: Kehr, W. Q. 00965

Water quality studies

Methods and facilities: Litby, R. W. 01231

Water resources development

Limnology, water supply and pollution: McCallum, G. E. 01228

Greenland

Snow facies: Giovinetto, M. B. 02053

Ground water*Analog models*

Los Angeles basin: Tyson, H. N., Jr. 00777

Bank storage

Relation between subsurface flow and water levels: Subbotin, A. I. 01856

Relation between subsurface flow and water levels: Ubell, K. 01880

Crystalline rock aquifers

Optimum depth of wells: Davis, S. N. 02163

Development

Conference, Thailand, 1962: United Nations. 02114

Island lenses, Hawaii: Watson, L. J. 00939

Possible use of aquifers as storage reservoirs: Schneider, Robert. 00526

Discharge

Water carryover in river basin discharge: Riggs, H. C. 00969

Water carryover in river basin discharge: Wemelsfelder, P. J. 01810

Water carryover in river basin discharge: Yevjevich, V. M. 01827

Engineering problems

Chemical grouts and field grouting: Karol, R. H. 01542

Highways, ground-water control: Smith, T. W. 02160

Flow nets

Sources of base flow of streams: Kilpatrick, F. A. 00976

General description

Diagrams: Meyboom, Peter. 02232

Ground water*General discussion:* Bourgeois, P. O. 02083*Geologic factors*

Textbook discussion: Maxey, G. B. 01509

North America

Occurrence and management: Thomas, H. E. 00810

Nuclear explosions

Anomaly created by underground nuclear explosion: Knox, J. B. 03012

Contamination factors: Davis, S. N. 01102

Economics of ground-water recharge by nuclear explosions: Todd, D. K. 03011

Infiltration in nuclear craters: Rasmussen, W. C. 02103

Pollution

California: Willets, D. B. 00313

Hydrologic factors: Brown, R. H. 02170

Management aspects: LeGrand, H. E. 01345

Refuse disposal: Weaver, L. 02167

Waste disposal site evaluation: LeGrand, H. E. 01711

Research

U.S. Geological Survey: McGuinness, C. L. 01193

Terminology

Hydrostratigraphic units: Maxey, G. B. 00350

*Textbook discussion**Handbook of Applied Hydrology:* Todd, D. K. 02035*Textbooks*

General discussion: Brice, J. C. 00673

Practical aspects: Cederstrom, D. J. 01497

Underground gas storage

Interrelationships: Bays, C. A. 02157

United States

Generalized map of productive aquifers: McGuinness, C. L. 01435

U.S. Geological Survey

Cooperation with well drillers: McGuinness, C. L. 00669

Water levels

Fluctuations, analysis: Healy, H. G. 00176

Fluctuations, analysis: Weeks, E. P. 01972

Fluctuations, brief discussion: Summers, W. K. 01747

Ground-water hydraulics*Anisotropic aquifer*

Vertical permeability, determination: Weeks, E. P. 01981

Artesian aquifers

Modified solution for decreasing discharge wells: Abu-Zied, M. A. 00795

Cavity formation

Salt dissolution: Durie, R. W. 00816

Comprehensive discussion

Hydraulics of wells: Hantush, M. S. 01777

Dispersion

Radioactive waste-migration patterns:

Reichert, S. O. 01396

Saline-water intrusion in porous media: De Wiest, R. J. M. 01864

Drawdown

Computer solution, well field: Fiering, M. B. 03015

Ground-water hydraulics*Drawdown*

Multiple step-drawdown tests: Bierschenk, W. H. 00314

Structural control: Sever, C. W. 00169

Variable discharge aquifers: Hantush, M. S. 00728

Flow patterns

Effect of pumping near rivers: Hantush, M. S. 00715

Effect of voids and permeability: Suter, Max. 00456

Free water surface about a well: Kirkham, Don. 00714

Relation to temperature: Mink, J. F. 00730

Seepage, numerical analysis: Schimming, B. B. 02128

Streamline function, water-table conditions: Zaslavsky, Dan. 00308

Two-dimensional, free-surface: Yih, Chia-Shun. 01149

Fractured rocks

Structural control on water movement: Sever, C. W. 00169

Water movement: Lewis, D. C. 01654

Heterogeneous aquifers

Dupuit's formula: Outmans, H. D. 00723

Permeability and storage: Rasmussen, W. C. 00375

Laminar flow

Hydraulics of thin flow: Franzini, J. B. 00757

Model studies

Declining water table: Fujioka, Y. 00733

Directional permeability: Greenkorn, R. A. 00919

Flow around and through lenticular beds: Lehr, J. H. 00436

Gravity drainage: Liakopoulos, A. C. 00484

Hydraulic conductivity measurement with sand tank: Snell, A. W. 01845

Overland and ground-water flow: Henderson, F. M. 00708

Water-table fluctuations: Dagan, Gedeon. 01290

Movement

Cones of depression, model study: Lehr, J. H. 01653

Research

United States, 1964: Middleton, H. K. 00843

Sandstone

Porosity: Maxwell, J. C. 00051

Theory

Dispersion: Ogata, Akio. 01969

Dispersion and adsorption: Banks, R. B. 00783

Dispersion and adsorption: Ogata, Akio. 01267

Extension of Darcy's concept: Skibitzke, H. E. 00133

Multiphase fluids: Stallman, R. W. 00132

Statistical hydrodynamics, porous media: Scheidegger, A. E. 01776

Turbulent flow: Smith, W. O. 01968

Turbulent flow: Ward, J. C. 00782

Unsaturated flow: Bouwer, Herman. 00790

Ground-water hydraulics*Transient flow*

Irrigation subsurface drainage system design:

Dumm, L. D. 01844

Subsurface land drainage: Dumm, L. D.
01835

Unsaturated flow

Systems of flow of water through soil:

Bouwer, Herman. 00790

Unsteady flow

Unsaturated zone: Ohmsted, W. D. 00703

Well near impermeable barrier, data analysis:
Saad, K. F. 01659

Ground-water quality*Artificial recharge*

Research on underground storage and mixing:
Harpaz, Y. 01349

Bacteria control

Water well plugging: Luthy, R. G. 01586

Biologically-resistant pollutants

Removal research: Morris, J. C. 00696

Cadmium and chromium

New York, Nassau County: Lieber, Maxim.
01803

Definition

Brief discussion: Summers, W. K. 00670

Detergents

Movement and retardation: Suess, M. J.
00056

Summary of research findings: McGauhey, P.
H. 00433

Geochemistry

Mineral content sources, ground water from
granitic terrane: Feth, J. H. 02123

Sulfate-carbonate systems, composition
calculation: Hall, F. R. 01630

Illinois

Northeastern part: Larson, T. E. 01474

Lithium

Crop damage, California: Ashe, H. J. 01398

Nevada Test Site: Schoff, S. L. 02027*North Carolina*

Forsyth County: Peace, R. R., Jr. 01117

Sampson County: Laymon, L. L. 01116

Pollution control

Management aspects: LeGrand, H. E. 01345

Protection

California, Livermore Valley: California
Dept. Water Resources. 00988

Radioactivity

Solubility and movement of radionuclides:
Essington, E. H. 00410

Radium-226

Illinois, Iowa: Samuels, L. D. 00462

Temperature

Fluctuation: Albany, New York: Heath, R. C.
01962

Textbook discussion

Handbook of Applied Hydrology: Powell, S. T.
02055

Ground-water techniques*Age determination*

Tritium: Nir, A. 02231

Tritium content: Reeder, H. O. 00161

Ground-water techniques*Analog models*

Analog and excitation-response apparatus for
sand and gravel aquifer: Schicht, R. J.
00980

Applications: Bouwer, Herman. 01656

Teaching aid: Blanchard, F. N. 01565

Borehole examination

Periscope: Trainer, F. W. 00177

Television apparatus: Eddy, J. E. 00148

Three-dimensional photography: Canadian
Petro Engineering. 01079

Crystalline rock aquifers

Prediction of water yield with depth: Davis,
S. N. 02163

Development

Estimating ground-water resources from

surface base flow: Koudelin, B. I. 00378

Planned exploration: Linck, C. J. 01279

Predicting quality when pumping mixed fresh-
saline aquifers: Goldberg, V. M. 00370

Field methods

Maintaining water tables in soil profile
studies: Pohjakas, K. 00019

Measurement of hydraulic conductivity with
four wells: Snell, A. W. 01845

Flow nets

Distortion in sections with exaggerated
vertical scale: van Everdingen, R. O. 01799

Geophysical methods

Electrical earth resistivity: Fuhle, M. B. 01393

Gravity survey, Humboldt River: Cartwright,
Keros. 01369

Pressure transducer: Warschauer, D. M.
00233

Resistivity and seismic, application, cost,
results: Carpenter, G. C. 02168

Resistivity measurements, interpretation:
Flathe, H. 02161

Resistivity studies, Izmir Turkey: Bierschenk,
W. H. 02156

Seismic refraction, earth resistivity: Dudley,
W. W., Jr. 00228

Seismic studies: McGinnis, L. D. 00229

Velocity of sound related to soil moisture:
Brutsaert, Wilfried. 00704

Laboratory and field methods

Bibliography: Johnson, A. I. 00964

Lithofacies maps

Compiled from drillers' logs: Bredehoeft, J.
D. 01348

Measurement of pore fluids

Immersion cell: Fels, I. G. 00387

Model studies

Analog computers, Illinois hydrogeology:

Walton, W. C. 02159

Calculation of transmissibility distribution:

Sammel, E. A. 01890

Effects of ground-water development:

Robinson, G. M. 00312

Efficacy of tube well schemes to combat

waterlogging: Harvard Water

Resources Group. 01502

Hele-Shaw model, research device: Sternberg,
Y. M. 02158

Ground-water techniques*Model studies*

- Las Vegas Valley: Domenico, P. A. 01990
- Saline-water—fresh-water flow relations: Harpaz, Y. 01349
- Stream functions for three-dimensional flow in heterogeneous porous media: Nelson, R. W. 00374
- Water-table fall in tile-drained land: Kirkham, Don. 01390

Movement

- Flow distribution from current meter data: Leve, G. W. 01863
- Geochemical methods: Schoff, S. L. 02027
- Solutions for a variety of problems, Dupuit-Forchheimer idealization: Glover, R. E. 01169
- Tritium tracing: Reeder, H. O. 01338

Prospecting methods

- Fracture traces for locating wells in carbonate rock: Lattman, L. H. 01353
- Hydrogeochemical methods, Nevada: Malmberg, G. T. 00141

Recharge

- Calculation by water budget method: Wolfztoun, I. B. 01889
- Mixing of injected and indigenous water: Harpaz, Y. 01349

Temperature determination

- High-lag thermometer: Heath, R. C. 02199

Test wells

- Nevada Test Site: Moore, J. E. 00419

Transmissibility determination

- Bail-test method: Lennox, D. H. 01372
- Estimations from routine production tests: Logan, John. 02165
- Variability, numerical analysis: Sammel, E. A. 01890

Water budget studies

- Hidden recharge areas: Feth, J. H. 02155

Water-level recession curves

- Hydraulic properties of glacial outwash: Weeks, E. P. 01972

Ground-water—surface-water relations*Bank storage*

- Effect of pumping: Hantush, M. S. 00715
- Equations for computing: Rorabaugh, M. I. 01628

Base flow

- Anomalous conditions, Mad River near Springfield, Ohio: Cross, W. P. 02006
- Deep and shallow aquifer sources: Kilpatrick, F. A. 00976
- Depletion by phreatophytes: Meyboom, Peter. 01316
- Effects of temperature, evaporation, and transpiration: Kovacs, Gy. 00968
- Effects of various geologic formations in the basin: Slepicka, Frantisek. 01828
- Estimating ground-water resources from surface base flow: Koudelin, B. I. 00378

Ground-water—surface-water relations*Base flow*

- Ground-water outflow, estimation method: Rorabaugh, M. I. 01628
- Indicator, ground-water storage and discharge: Riggs, H. C. 00969
- Indicator, hydrological conditions: Matthes, Georg. 00971
- Muddy River, Nevada: Eakin, T. E. 00172
- Relations to bedrock structural trends: Sever, C. W. 00169
- Sheyenne River, North Dakota: Paulson, Q. F. 01980

Channel seepage

- Determination: Morel-Seytoux, H. J. 00759

Conjunctive use

- Depletion from pumping wells: Hantush, M. S. 00715
- General discussion: Bittinger, M. W. 01813
- Israel, Lake Tiberias: Buras, Nathan. 02152

Drainage systems

- Southeastern Florida: Sherwood, C. B. 01878

Florida and Georgia

- Discussion of principal artesian aquifer: Stringfield, V. T. 00162

Geophysical applications

- Humboldt River flow, gravity survey: Cartwright, Keros. 01369

Ground-water response time

- Carryover to streamflow: Wemelsfelder, P. J. 01810

Impoundment effects

- South Saskatchewan Reservoir: Brown, I. C. 01491

Model studies

- Overland flow: Henderson, F. M. 00708

Recharge

- Estimating the influent flow rate by aquifer test: Walton, W. C. 01879

Tide effect

- Attenuation and retardation in aquifers: Van Eyden, W. A. A. 01324

Water-level observations

- Effects of surface-water fluctuations: Bedinger, M. S. 01971
- Indicators at base flow: Subbotin, A. I. 01866
- Indicators of base flow from bank storage: Ubell, K. 01880

Gulf of Mexico river basins*Eastern*

- Surface-water records, 1950-60: U.S. Geological Survey. 00956

Western

- Surface-water records, 1950-60: U.S. Geological Survey. 01312

Hawaii*Coastal currents*

- Comprehensive study: Laevastu, Taivo. 01496

Floods

- Basic data through June 1964: Hoffard, S. H. 00216
- Basic data through June 1963: Vaudrey, W. C. 01260
- Flood control plans: Hawaii Div. Water and Land Devel. 01306

Ground water

- Sea-water intrusion research: Lau, L. S. 01408

Hawaii**Kailua Bay**

Pollution: Belt, R. M. 01410

Maui

Exploratory drilling, Makena: Hawaii Div. Water and Land Devel. 00215

Ground-water development: Watson, L. J. 00939

Improvements to county water systems, Lahaina District: Hawaii Div. Water and Land Devel. 01991

Oahu

An estimate of paleoclimate: Ruhe, R. V. 01836

Ground water, southern part: Visher, F. N. 02107

Ground-water development: Watson, L. J. 00939

Water supply: Stanley, W. E. 01407

Water supply plan: Morgan, E. J. 01478

Pearl Harbor

Pollution: Smith, R. L., Jr. 01821

Puna

Exploratory drilling, Pulama: Hawaii Div. Water and Land Devel. 00214

Surface-water records, 1950-1960: U.S.

Geological Survey. 02044

Waste disposal

Comprehensive study: Laevastu, Taivo. 01496

Water supply: Chuck, R. T. 02079**Hudson Bay and upper Mississippi River basins****Surface-water records, 1950-1960: U.S.**

Geological Survey. 02086

Hungary**Danube River**

Ground-water—surface-water relationships: Ubell, K. 01880

Great Hungarian Plain

Hydrogeological study, Quaternary deposits: Ronai, A. 01661

Lake Balaton

Stage control, lakes in remote areas: Szesztay, K. 01629

Modry Dul watershed

Runoff forecast, snowmelt: Martinec, Jaroslav. 01764

Precipitation

Variability: Szgyarto, Z. 02246

Soil and water management

General practices: Erodí, B. 00318

Hydrologic data**Analysis**

Effects of man: Kazmann, R. G. 00347

Sequence patterns, annual precipitation and river flow: Yevdjovich, V. M. 01827

Aquifer tests

Estimating transmissibility from production tests: Logan, John. 02165

Transmissibility determination by the bail-test method: Lennox, D. H. 01372

Bench-mark stations

The vigil network system, U.S. and Great Britain: Slaymaker, H. O. 01812

Hydrologic data**Climate**

Fluctuations of wet and dry years:

Yevdjovich, V. M. 00668

Climatology

Availability through Weather Bureau: Carter, H. S. 00078

Fluctuations of wet and dry years:

Yevdjovich, V. M. 00668

Water balance data, North America: Mather, J. R. 00955

Collection

Great Lakes Regional Data Center: Curry, L. W. 0137

Colorado River

Upper: Iorns, W. V. 01008

Europe

Water balance: Mather, J. R. 00836

Networks

Columbia River basin, Canada: Hunter, H. I. 00903

North America

Water balance: Mather, J. R. 00955

Potomac River

Water quality, water year 1964: Interstate Comm. Potomac River Basin. 01421

Precipitation

Application of severe rainfall data in engineering design: Ackermann, W. C. 00101

Processing

Integration of basic data collection:

Sanderson, R. B. 01992

Limnological studies: Cudbird, B. S. V. 01227

Quality of water

Water pollution surveillance system data (1963 ed.): U.S. Public Health Service. 01420

Representation

Three-dimensional type: Hirsch, A. A. 01645

Sediment

Saskatchewan and Manitoba. to Sept. 30, 1961: Canada Water Resources Branch. 00252

Sources

Federal agencies: Thomson, M. T. 01883

Storage and retrieval

Water quality control: Green, R. S. 01697

Surface water

Alaska, 1950-60: U.S. Geological Survey. 00552

Colorado River basin, 1950-1960: U.S. Geological Survey. 02043

Cumberland and Tennessee River basins, 1950-60: U.S. Geological Survey. 02041

Hawaii, 1950-1960: U.S. Geological Survey. 02044

Hudson Bay and upper Mississippi River basins, 1950-1960: U.S. Geological Survey. 02086

Lower Mississippi River basin, 1950-1960: U.S. Geological Survey. 01209

Missouri River basin above Sioux City, Iowa, 1950-60: U.S. Geological Survey. 01005

Hydrologic data

Surface water

- Missouri River basin, lower, 1950-60: U.S. Geological Survey. 00912
- North Atlantic slope basins, Maine to Connecticut, 1950-60: U.S. Geological Survey. 01007
- North Atlantic slope basins, New York to York River, 1950-60: U.S. Geological Survey. 01303
- Ohio River except Cumberland and Tennessee River basins, 1950-1960: U.S. Geological Survey. 02040
- Pacific slope basins in California, 1950-1960: U.S. Geological Survey. 01210
- Pacific slope basins in Washington and upper Columbia River basin, 1950-1960: U.S. Geological Survey. 01379
- South Atlantic slope and eastern Gulf of Mexico basins: U.S. Geological Survey. 00956
- South Atlantic slope basins, James River to Savannah River, 1950-60: U.S. Geological Survey. 01006
- St. Lawrence River basin, 1950-1960: U.S. Geological Survey. 02042
- Western Gulf of Mexico basins, 1950-60: U.S. Geological Survey. 01312

Water treatment

- U.S. cities, 25,000 population and over: U.S. Public Health Service. 01399
- U.S. cities, 25,000 population and over, statistical summary: U.S. Public Health Service. 01585

Well samples

- Ontario, Canada, well samples, catalogue: Sanford, B. V. 00011

Hydrologic equipment and instrumentation

Artificial controls

- Stream-gaging stations for research on small watersheds: Reinhart, K. G. 00842

Borehole examination

- Television apparatus: Eddy, J. E. 00148

Cableways

- Two-mile span: Deane, R. 01771

Conductivity meters

- Portable, salinity measurements: Labrique, J. P. 01759

Current meters

- D. F. Henry cup type: Frazier, A. H. 02194

Drill hole geometry

- Determination, instrument: Holm, Alfred. 01740

Filters

- Hydraulic characteristics of glass-fiber material: Shull, Hollis. 00109

Flumes

- Superficial flume for detritus-laden ephemeral streams: Gwinn, W. R. 00111

Gamma-ray equipment

- Sediment density measurement: McHenry, J. R. 01370
- Sediment density measurement: McHenry, J. R. 01387

Hydrologic equipment and instrumentation

Gamma-ray equipment

- Soil moisture measurement: Reginato, R. J. 01163

Geophysical equipment

- General use in soil engineering: Guyod, Hubert. 00183
- Hammer seismograph, buried river valleys, reconnaissance: Hobson, G. D. 01078
- Seismic refraction, earth resistivity: Dudley, W. W., Jr. 00228
- Seismic studies: McGinnis, L. D. 00229
- Sonar seismic systems: Van Reenan, E. D. 01982

Infiltrometers

- Unbuffered, influence of installation depth: Shull, Hollis. 00286

Lysimeters

- Abnormal diurnal cyclic weight fluctuations, Coshocton lysimeter records: Harrold, L. L. 00327

Neutron probes

- Calibration, moisture and density measurements: Troxler, W. F. 00182
- Calibration, neutron moisture meter: Burn, K. N. 00015
- Effect of access tubes on soil temperature, winter: Dickey, D. D. 00306
- Instrumental and soil moisture variance: Hewlett, J. D. 00279
- Soil moisture measurement: van der Burgh, P. 00328
- Soil moisture, surface measurements: Marston, R. B. 01663

Permeameters

- Eliminating boundary-flow errors: McNeal, B. L. 01162
- Model for field use: Flannery, R. D. 00285
- Soil cores: Schiff, Leonard. 01840

Photographic techniques

- "NX" borehole camera: Trantina, J. A. 02249

Piezometers

- Errors in piezometric measurement: Emmett, W. W. 00792

Precipitation

- Telemetry: Chadwick, D. G. 00897

Radiometer

- Data reduction, chart integrator: Hanks, R. J. 01619

Rain gages

- Small-orifice storage: Neuberger, J. W. 00077
- Source of error: Young, M. C. 00080

Rainfall simulator

- Construction and operation of a 16-unit rainulator: Mermseier, L. F. 01190
- Construction and operation of a 16-unit rainulator: Mermseier, L. F. 03018

Remote sensing

- Areal snow distribution from satellite photographs: Tarble, R. D. 00326
- Radar hydrology: Flanders, A. F. 00325

Hydrologic equipment and instrumentation*Runoff measurements*

Electric-power vehicle for large river measurements: Stevens, H. H., Jr. 00024

Sediment dispersion

Ultrasonic cleaning equipment: Moston, R. P. 03019

Sediment sampler

Vallentyne mud sampler, modification: Walker, D. 01752

Sediment transport

Solid-liquid flow meter: Ackermann, N. L. 00938

Sedimentation

Nuclear in situ sediment density measurement: McHenry, J. R. 01370

Snow sampler

Design: Bindon, H. H. 00878

Snow sensors, remote

Pressure pillow snow gage: Beaumont, R. T. 00889

Soil moisture

Apparatus to measure flow: Elrick, D. E. 01620

Calibration, neutron meters: Burn, K. N. 00015

Calibration, nuclear meters: Troxler, W. F. 00182

Measurement, gamma attenuation: Reginato, R. J. 01163

Measurement, neutron probe characteristics: Marston, R. B. 01663

Neutron probe variance: Hewlett, J. D. 00279

Soil moisture measuring by neutron logging: van der Burgh, P. 00328

Switching device for probes: Voisey, P. W. 01830

Sonar devices

Basic principles: Harford, J. W. 02198

Submersible recorder

Observation of the noise of bedload: Bedeus, K. 01282

Surface water

Flow measurement with a suspension wire: Sharp, B. B. 00758

General discussion: Boyer, M. C. 01515

Surface-water quality surveillance

Multi-variable station design: Green, R. S. 01318

Television

Borehole examination: Eddy, J. E. 00148

Temperature measurements

High-lag thermometer: Heath, R. C. 02199

Thermometers

High-lag type: Heath, R. C. 02199

Tidal gage

Precision digital: Snodgrass, F. E. 00944

Tower instrumentation

Air-sea interaction study: Elder, F. C. 01018

Hydrologic equipment and instrumentation*Transducers*

Chemical composition, mass spectrometry: Bollinger, L. E. 01916

Fluid flow measurement: Bollinger, L. E. 01915

Instruments, description: Bollinger, L. E. 01913

Measurement of turbulence: Cermak, J. E. 00208

Pressure measurement theory: Bollinger, L. E. 01912

Temperature measurement: Bollinger, L. E. 01914

Turbulence measurement

Electrokinetic transducers: Cermak, J. E. 00208

Underwater photography

Cameras: Edgerton, H. E. 00684

Velocity meters

Pipe flow discharge: Johnson, H. P. 00079

Water samplers

Horizontal collection near the bottom: Joeris, L. S. 01795

Microstratification: Marshall, Nelson. 01755

Microstratification, water adjacent to bottom sediment: Marshall, Nelson. 9999

Water-stage recorders

Protection of well from freezing: Bennett, N. C. 01848

Wells

Pumps, accessories for vertical: Keith, H. L. 01820

Hydrologic techniques*Aerial photography*

General discussion: Lohman, S. W. 01145

Interpretation of subsurface soil conditions: Erb, D. K. 00181

Computer

General discussion, applications in hydrology: Chow, V. T. 01522

Consolidation test

Moisture-deficient sands: Bill, W. B. 01674

Energy budget

Runoff estimation from meteorological data: Pike, J. G. 00349

Engineering

Textbook: Linsley, R. K. 01781

Flood dating

Botanical evidence: Sigafos, R. S. 00510

Hydrologic cycle

Hydrologic balance from an experimental watershed: Lewis, D. C. 00354

Hydrological forecasting

Methods: Apollon, B. A. 01739

Mean annual runoff

Effects of channel loss and ground-water outflow: Hely, A. G. 00787

Model studies

Chemistry of surface water applied to Great Lakes: Kramer, J. R. 01233

Computers for ground-water basin management: Chun, R. Y. D. 00382

Cones of depression: Lehr, J. H. 01653

Dam and storage system: Jarvis, C. L. 02206

Hydrologic techniques*Model studies*

- Deoxygenation and reaeration calculations:
Rennerfelt, J. G. W. 00688
- Formation of salt cavities: Durie, R. W. 00816
- Hele-Shaw model, research device: Sternberg,
Y. M. 02158
- Mathematical, waterlogging and salinity
problems: Harvard Water Resources
Group. 01502
- Monthly runoff simulation: U.S. Army Corps
of Engineers. 03025
- Pollutant dispersion in estuaries: O'Connor,
D. J. 01154
- Rotating lake model: Harleman, D. R. F.
01240

Piezometric measurements

- Errors: Emmett, W. W. 00792

Rainfall-runoff relationships

- Catchment storage model for runoff routing:
Laurenson, E. M. 00352
- Computation of direct runoff from storm
rainfall: Hamon, W. R. 01801
- Determination of flood hydrograph:
Soczynska, Urszula. 01814
- Digital computer, Stanford Watershed Model
(Mark II): Crawford, N. H. 01448
- Effects of soil and vegetation: Kincaid, D. R.
01363
- River forecasting models: Kohler, M. A.
01800

Random-walk models

- River profiles, uniform discharge: Langbein,
W. B. 00150

Research

- United States, 1964: Middleton, H. K. 00843

Sedimentation

- Hydromechanical characteristics of bedload
movement determined from emitted noises:
Bedeus, K. 01282

Small watersheds

- Determination of peak discharge and design
hydrographs: Wu, I. P. 00933

Statistical methods

- Analysis of variance, covariance, and time
series: Dawdy, D. R. 01779
- Augmenting data: Matalas, N. C. 02018
- Frequency analysis, textbook discussion:
Chow, V. T. 01027
- Regression and correlation analysis:
Yevjevich, V. M. 01512
- Streamflow fluctuations of wet and dry years:
Yevjevich, V. M. 01817

Stream reaeration rates

- Prediction formulas, development,
application: Churchill, M. A. 00689

Synthetic hydrology

- Multivariate techniques: Fiering, M. B. 00786

Unit hydrographs

- Nonlinear approach: Singh, K. P. 00940

Urbanization problems

- Estimating vegetation water requirements:
Hall, W. A. 00102

Hydrology*Bibliographies*

- Open-file reports, U.S. Geological Survey
1963: Weld, B. A. 01441

Education

- Exclusive of North America, 1963: De Wiest,
R. J. M. 02138
- Facilities, United States and Canada, 1963:
Walton, W. C. 01655

Educational material

- Elementary discussion: Lewis, Alfred. 01523
- Grade school level: Nickelsburg, Janet. 01498
- Grade school level: Nickelsburg, Janet. 01499
- Grade school level: Nickelsburg, Janet. 01500

*General discussion: Leopold, L. B. 02062**History*

- Development: Chow, V. T. C2081
- Development, hydrogeology: Lamarck, J. B.
02065
- Ground water: Schaefer, E. J. 02171
- Ground water, Meinzer's contribution:
Hackett, O. M. 02164
- Lamarck's *Hydrogeologie*: Carozzi, A. V.
01903

Hydrologic cycle

- Conceptual model, Stanford Watershed
Model (Mark II): Crawford, N. H. 01448
- Cyclic phenomena and solar activity: Dixey,
F. 00345
- Cyclic relations of evapotranspiration and net
radiation: Pruitt, W. O. 0C114
- Methods of systems investigation: Amoroso,
J. 00094
- Significance of sodium: Livingstone, D. A.
00677

International Hydrological Decade

- Brief description, activities: Leopold, L. B.
00212
- General discussion: Bruce, J. P. 01377
- General discussion: Nace, R. L. 01431
- General discussion of purpose: Batisse,
Michel. 01939
- UNESCO program proposals: United
Nations. 02037

Practice

- Professional status: Chow, V. T. 02081

Research

- Establishment of Water Resources Research
Centers: U.S. Congress, House. 01382
- Federal program, 1965: Federal Council, Sci.
and Technology. 01584
- Hydraulics in United States 1964: Middleton,
H. K. 00843
- U.S. Geological Survey 1963, short papers:
U.S. Geological Survey. 01200
- U.S. Geological Survey 1964, short papers:
U.S. Geological Survey. 01202
- U.S. Geological Survey 1964, short papers:
U.S. Geological Survey. 01203
- U.S. Geological Survey 1964, short papers:
U.S. Geological Survey. 01436

Hydrology*Research*

U.S. Geological Survey 1964, summary: U.S. Geological Survey. 01201

U.S. Public Health Service activities: Atkins, C. H. 01672

Textbooks

Advances in hydrosience, volume 1: Chow, V. T. 01775

Downstream—a natural history of the river: Bardach, John. 00882

Glaciology, structural: Shumskii, P. A. 01778

Handbook of Applied Hydrology: Chow, V. T. 01506

River regulation: Mamak, Wiktor. 01807

Water quality management: Kneese, A. V. 01782

Water resources engineering: Linsley, R. K. 01781

Hydrology of alluvial deposits*Aquifer characteristics*

Use of drillers' logs and reports: Bredehoeft, J. D. 01348

Flood plains

Transmission losses of loessial watersheds:

Allis, J. A. 01466

Ground water

California, Kern County: Wood, P. R. 00928

Winnipeg and Brandon map-areas,

Manitoba: Charron, J. E. 01327

Ground-water flow

Humboldt River valley, near Winnemucca, Nevada: Cohen, Philip. 03001

Model studies

Application of quantitative mapping

techniques: Domenico, P. A. 01990

Ohio River valley

Henderson area: Gallaher, J. T. 00592

Louisville to West Point: Price, W. E., Jr. 00605

Prospect to Louisville: Price, W. E., Jr. 00619

Water budget

Arkansas River valley: Moulder, E. A. 00376

Western Nevada

Truckee Meadows area: Cohen, Philip. 00895

Hydrology of arid regions*Arizona*

McMullen Valley: Kam, William. 00538

Closed basins

Inland lakes, water-level fluctuations:

Kritsky, S. N. 01756

General discussion: Hoffman, Walter. 02070*Ground water*

Chemical composition: Bogomolov, G. 00369

General discussion: Kunin, V. N. 01940

Intermittent streams

Fish survival: John, K. R. 01703

Irrigation

Salinity aspects: Allison, L. E. 03036

Use of saline water: Boyko, Hugo. 00910

New Mexico

Ground water: Dinwiddie, G. A. 00519

Phreatophytes

Survey procedure: Horton, J. S. 00921

Hydrology of arid regions*Rainfall-runoff relationships*

Effects of soil and vegetation: Kincaid, D. R. 01363

Stock water

Design of catchments: Brehm, C. D. 01895

Textbook discussion

Handbook of Applied Hydrology: Slatyer, R. O. 02028

United States, Southwest

Climatic changes and man's environment:

Malde, H. E. 00397

Hydrology of coastal regions*Chemistry*

Clay mineral assemblages: Heron, S. D., Jr. 00823

Continental shelf

Shore processes, sedimentation, wave mechanics: Wiegell, R. L. 01016

Deltaic areas

Reclamation and development: United Nations. 01942

Florida

Ground-water—surface-water relations, southern part: Sherwood, C. B. 01878

Tampa Bay, calcium-chlorinity relationships: May, B. Z. 01096

Netherlands

Determination of geohydrology of the soil: Santema, P. 01326

Philippines

Luzon Island, Poro Point: Vorts, G. F., Jr. 02007

Pollution

Accumulations of radionuclides by Thornback ray, Irish Sea: Mauchline, John. 01218

Foraminifera as indicators: Bandy, O. L. 01819

Foraminifera as indicators: Bandy, O. L. 01894

Hawaii, Pearl Harbor: Smith, R. L., Jr. 01821

Oil and grease: Ludwig, H. F. 01418

Radioecology of a beach: Mauchline, John. 01571

Salinity

Determination of nitrate: Jenkins, David. 01871

Determination of sulfide: Johnson, C. R. 01872

Effects of river discharge: Ketchum, B. H. 02208

Sea-level changes

Bedrock valleys of New England coast:

Upson, J. E. 00505

Use of barnacles as an index: Kaye, C. A. 01568

Tidal floods

Comparison of river and seashore flooding: Burton, Ian. 01394

Tidal floods, hurricane caused

Connecticut, Stratford area: U.S. Army Corps of Engineers. 01384

Delaware River: U.S. Army Corps of Engineers. 01184

Hydrology of coastal regions*Tidal floods, hurricane caused*

Florida, Fort Lauderdale: U.S. Army Corps of Engineers. 01174

New Jersey, Atlantic City area: U.S. Army Corps of Engineers. 01177

Patuxent, Potomac, and Rappahannock Rivers: U.S. Army Corps of Engineers. 01185

Virginia, Chesapeake Bay, south shore: U.S. Army Corps of Engineers. 01011

Virginia, Mathews County, Garden Creek: U.S. Army Corps of Engineers. 01010

Virginia, middle and lower peninsulas: U.S. Army Corps of Engineers. 01176

Tide effects

Hydrostatic pressure increase in aquifers: Van Eyden, W. A. A. 01324

Waste disposal

Comprehensive discussions: Pearson, E. A. 02097

Effect on kelp off California coast: California University. 01809

Hawaii, Kailua Bay: Belt, R. M. 01410

Water management

Increased yields of coastal aquifers: Kahana, Y. 01891

Hydrology of cold regions*Ice and snow*

Comprehensive discussion: Mellor, Malcolm. 02220

Ice formation

Prediction curves, Canadian lakes and rivers: Bilello, M. A. 02175

Prediction method, lakes and rivers: Bilello, M. A. 02176

Permafrost

Geocryological phenomena, formation: Kachurin, S. P. 01073

Snow, ice, and permafrost

Bibliography, cumulative index: U.S. Library of Congress. 02115

Hydrology of estuaries*Columbia River*

Radionuclides, 1961-63: Seymour, A. H. 01945

Control dam

Desalting lakes formed by damming estuary: Santema, P. 01326

Florida, Deer Point Lake: Toler, L. G. 00967

Limnology

Biological and chemical features: Frolander, H. F. 00447

Pollution

Analog model of dispersion: O'Connor, D. J. 01154

Channel improvement proposal, study: Rambow, C. A. 01343

Distribution of pollutants: Pyatt, E. E. 01381

Guidelines for investigation: Stein, J. E. 02017

Indicated by yeast species: Taysi, I. 00365

Nitrogen transformations: Wilkinson, L. 00699

Photosynthetic oxygenation study: Hull, C. H. J. 02172

Hydrology of estuaries*Pollution*

Results of abatement, benthic repopulation: Dean, David. 01224

Potomac River

Pollution: Interstate Comm. Potomac River Basin. 02133

Salinity distribution

Equations of continuity for mixing of sea water and river water: Arthur, R. S. 01258

Tidal effects

Equations of continuity for mixing of sea water and river water: Arthur, R. S. 01258

Photogrammetric measurement of tidal currents: Waugh, J. E. 00752

Water quality

Chlorinity determination: Williams, H. B. 01569

Effects on attached macro-organisms: Corey, R. L. 00143

Mixing processes: Bowden, K. F. 00698

Water quality management

Delaware River estuary: Thomann, R. V. 01852

Water resources development

Effects of man-made changes: Diener, R. A. 00486

Hydrology of glacial deposits*Buried valleys*

Minnesota: Schiner, G. R. 00542

Spiritwood aquifer, North Dakota: Kelly, T. E. 01979

Outwash

Hydraulic properties: Weeks, E. P. 01972

Till

Ground-water movement, poorly drained soil: Bornstein, Joseph. 00103

Hydrology of islands*Coastal currents*

Hawaii: Laevastu, Taivo. 01496

Ground water

Hawaii, Honolulu: Lau, L. S. 01408

Waste disposal

Hawaii: Laevastu, Taivo. 01496

Water temperature

Geologic control: Mink, J. F. 00730

Hydrology of limestone deposits*Artificial recharge through sinkholes*

New Mexico, Roswell basin: Motts, W. S. 00963

Base flow

Effects of temperature, evaporation, and transpiration: Kovacs, Gy. 00968

Carbonate geochemistry

Blue Grass region, Kentucky: Hendrickson, G. E. 00551

Calcite and aragonite formation: Fisher, J. R. 00632

Calcite solution, California, Black Chasm: Moore, G. W. 00633

Saturation, degree: Hostetler, P. B. 01719

Solution alteration, effects of temperature and pressure: Sippel, R. F. 01375

Sulfate-bearing waters: Hall, F. R. 01630

Hydrology of limestone deposits*Caves*

- Artesian origin of fissure caves: Brod, L. G., Jr. 00623
- Chemical evolution of cave waters: Holland, H. D. 01566
- Detection by geoelectrical methods: Day, J. G. 01743
- Development model: Howard, A. D. 01640
- Highway construction problems, St. Louis: Laundrum, J. D. 01986
- Origin of a maze cave in Alabama: Varnedoe, W. W., Jr. 00251
- Planar domes, cave geometry: Lange, A. L. 01080
- Solution bevels, cave geometry: Lange, A. L. 01081
- Spelo-genetic speculation, limitations: White, W. B. 00631

Florida

- Ground-water—surface-water relations: Stringfield, V. T. 00162
- Orange County: Lichtler, W. F. 01749

Ground water

- Relationship between fracture traces and occurrence of ground water: Lattman, L. H. 01353

Ground-water movement

- Blowing wells: Lamar, D. L. 00926
- Mine flooding, Tennessee: Miller, H. W. 00621
- Temperature relationships: Schneider, Robert. 02130

Indonesia, Madura Island

- Hydrogeology: Flathe, H. 00316

Karst

- Ground water of Syria: Burdon, D. J. 01352
- Utah: Wilson, M. T. 01963
- Zanjon, Puerto Rico: Monroe, W. H. 02098

Kentucky

- Flint Ridge Cave system: Smith, P. M. 01639

Lakes

- Florida, selected bathymetric maps: Kenner, W. E. 01886
- Postglacial erosion of deep basins in Ontario: Terasmae, J. 01234

New York

- Niagara Falls area: Johnston, R. H. 01113

Paleohydrology

- Mitchell Plain: Powell, R. L. 01599

Saline-water intrusion

- Israel's Mediterranean coast: Mandel, S. 01449

Sedimentation

- Cavern detrital fills: Helwig, James. 02118
- Mammoth Cave, Kentucky: Collier, C. R. 00138

Subsidence

- Georgia, Baker and Mitchell Counties: Herrick, S. M. 01768

Tennessee

- Highland Rim, western: Marcher, M. V. 00559

Hydrology of mining areas*Acid mine drainage*

- Geochemical considerations: Barnes, Ivan. 00508
- Pennsylvania: Barnes, Ivan. 07509

Ground water

- Phosphate mining effects: Nelson, P. F. 01115

Mine dewatering

- Methods, before development: Loofbourow, R. L. 00660

Mine flooding

- Recovery, Jefferson City mine, Tennessee: Miller, H. W. 00621

Strip mines

- Chemical weathering of spoils: Struthers, P. H. 01141
- Influence on Beaver Creek basin, Kentucky: Collier, C. R. 00501
- Relation to water: Hanna, G. P., Jr. 01140

Strip-mine lakes

- Geochemistry: Parsons, J. D. 01340

Water law

- Strip-mining legislation: Meirers, R. G. 01319

Hydrology of oil-field areas*Brine contamination*

- Kansas, Little Arkansas River basin: Albert, C. D. 01642
- Kansas, Walnut River: Leonard, R. B. 01275
- Kansas, Walnut River: Leonard, R. B. 01332
- Louisiana, Shreveport: Hirsch, A. A. 00970
- Texas, ground water: Bayha, D. C. 00406
- Texas, ground water: Burnitt, S. C. 00407

Brine disposal

- California, San Joaquin Valley: Morris, J. M., Jr. 00396

- Gas wells: Melton, C. G. 00733

Gas and water coning

- Potentiometric models: Chierici, G. L. 01315

Permeability

- Heterogeneous anisotropic porous media: Greenkorn, R. A. 00919

Porous media

- Evaluation of fracture porosity: Drummond, J. M. 01321

Water flooding

- Carbonate reservoirs: Abernathy, B. F. 00735
- Fluid-fluid interfaces, dynamical behavior, computation: Sheldon, J. W. 01694
- High water-cut reservoir: Roebuck, I. F., Jr. 00742

- Instability, water-wet media: Rachford, H. H., Jr. 01692

- Stratified reservoir, behavior: Warren, J. E. 01693

- Water mobility control: Pye, D. J. 00745
- Water mobility control: Sandiford, B. B. 00746

- Water quality, filter determination: Johnston, K. H. 01948

- Water sensitive shales, chemical control: Chakravorty, S. K. 00747

- Wettability, laboratory studies: Mungan, Necmettin. 02227

Hydrology of urban areas*Surface-water quality*

- Waste loads from urban storm runoff: Weibel, S. R. 00443

Hydrology of volcanic rocks*Ground water*

- Hawaii, southern Oahu: Visser, F. N. 02107
Idaho, Snake River Plain: Jones, P. H. 01833
Oregon, Lake County: Hampton, E. R. 01967
Oregon, Umatilla River basin: Hogenson, G. M. 01254

Pseudokarst features

- Piping in volcanic rock terrane: Parker, G. G. 01320

Ice

- Bibliography*: U.S. Library of Congress. 02024

Bibliography index

- Snow, ice, and permafrost: U.S. Library of Congress. 02115

Engineering problems

- Alaska: Migliaccio, R. R. 01987

Formation

- Forecasting methods, freezing and thawing: Apollon, B. A. 01739
Ice crystals from an ice-cored moraine: Ostrem, Gunnar. 00009
Prediction curves, Canadian lakes and rivers: Bilello, M. A. 02175
Prediction method, lakes and rivers: Bilello, M. A. 02176
Problems in water power: Devik, Olaf. 00482

Lakes

- Meteorological aspects, Great Lakes: Richards, T. L. 01138

Nucleation

- Time lag, nucleation by silver iodide: Warburton, J. A. 01922

Properties

- Crystalline texture, plastic deformation: Liboutry, L. 00483
Structure: Kavanau, J. L. 00674

Textbook discussion

- Handbook of Applied Hydrology*: Meier, M. F. 02058

Textbooks

- Structural glaciology: Shumskii, P. A. 01778

Worldwide

- Comprehensive discussion: Mellor, Malcolm. 02220
Distribution and changes: Shumskiy, P. A. 02101

Idaho*American Falls Reservoir*

- Photogrammetric methods of shoreline plotting: Crandall, D. L. 00053

Bear Lake

- Water quality: Workman, G. W. 02050

Bonner County

- Ground water, Sandpoint region: Walker, E. H. 00851

National Reactor Testing Station

- Chemical characteristics of ground water: Olmsted, F. H. 00140

Idaho*Northern and central*

- Limnology of selected lakes: Buscemi, P. A. 00682

Snake River

- Water use and hydrometric work, 1964: Idaho Water District No. 36. 00927

Snake River basin

- Ground water for irrigation: Mundorff, M. J. 01283

Snake River Plain

- Ground-water velocity, tracer study: Jones, P. H. 01833

Southeastern

- Teton Basin multiple-purpose water resources project: U.S. Bureau of Reclamation. 01173

Teton County

- Ground water, Teton Valley, upper: Kilburn, Chabot. 00865

Water resources

- Summary: Travis, W. I. 01544
Summary: U.S. Geological Survey. 01788

Weiser River basin, upper

- Ground water, Midvale and Council areas: Walker, E. H. 02003

Illinois*Central*

- Radioactive rainout distribution, 1963: Huff, F. A. 01921

Champaign-Urbana

- Ground-water analog model: Walton, W. C. 02159

DeKalb quadrangle

- Ground-water quality: Caldwell, L. T. 00806

East St. Louis

- Flood protection project: U.S. Army Corps of Engineers. 01183
Ground-water analog model: Walton, W. C. 02159

Ground-water exploration

- Electrical earth resistivity surveying: Buhle, M. B. 01393

Harvey quadrangle

- Flood inundation map: Allen, H. E. 00591

Hinsdale quadrangle

- Flood inundation map: Ellis, D. W. 00587

Illinois Univ. Eng. Expt. Sta.

- Engineering research, summary: Greenberg, Rima. 00675

Joliet quadrangle

- Flood inundation map: Allen, H. E. 00590

Kaskaskia River

- Levee construction proposal: U.S. Army Corps of Engineers. 01186

Libertyville quadrangle

- Flood inundation map: Noehre, A. W. 00589

Lombard quadrangle

- Flood inundation map: Allen, H. E. 00126

Low flow

- Calculation from precipitation records: Huff, F. A. 02153
Precipitation-runoff relationships: Huff, F. A. 00700

Illinois*Northeastern*

Aquifers, potential yield: Walton, W. C. 01475

Ground-water development, selected areas:

Prickett, T. A. 01609

Water-level declines, sandstone wells, Chicago area: Walton, W. C. 02169

Well sources, maximum development: Bruin, Jack. 01476

Well water quality problems: Larson, T. E. 01474

Palatine quadrangle

Flood inundation map: Allen, H. E. 00588

Park Ridge quadrangle

Flood inundation map: Ellis, D. W. 00586

Precipitation distribution

Summer hail: Huff, F. A. 01562

Reservoir design

Streamflow data analyses: Stall, J. B. 00494

Southwestern

Mississippi River flood-plain aquifer, model study: Schicht, R. J. 00980

St. Peter formation

Concentration of brines: Rittenhouse, Gordon. 02241

Surface water

Sedimentation, reservoirs: Stall, J. B. 01713

Sycamore quadrangle

Ground-water quality: Caldwell, L. T. 00806

Wabash River basin

Water resources development: Boyce, R. R. 01537

Wadsworth quadrangle

Flood inundation map: Noehre, A. W. 00127

Water supplies

Lead-210 and polonium-210: Holtzman, R. B. 01346

Water use law

Study: Mann, F. L. 00922

India*Agriculture*

Moisture adequacy in relation to crop distribution: Subrahmanyam, V. P. 00329

Andhra Pradesh

Drought characteristics, occurrence probability: Banerji, S. 01766

Indus Valley

Water resources: Karpov, A. V. 00037

Kerala, southern

Artesian water, Malabar Coastal Plain: Taylor, G. C., Jr. 00525

Madras State

Limnology of three tropical mountain lakes: Sreenivasan, A. 01225

Indiana*Floods*

January-February 1959: U.S. Geological Survey. 01322

Fulton County

Ground water: Rosenshein, J. S. 00264

Jasper County

Ground water: Rosenshein, J. S. 00260

Indiana*Marshall County*

Ground water: Rosenshein, J. S. 00265

Newton County

Ground water: Rosenshein, J. S. 00259

Parke County

Ground water: Watkins, F. A., Jr. 00262

Pulaski County

Ground water: Rosenshein, J. S. 00261

Putnam County

Ground water: Watkins, F. A., Jr. 00263

Silver Creek watershed

Flood control, work plan, Muddy Fork: Indiana. 03022

Small watersheds

Determination of peak discharge and design hydrographs: Wu, I. P. 00933

South-central

Mitchell Plain drainage features: Powell, R. L. 01599

Starke County

Ground water: Rosenshein, J. S. 00266

Wabash River basin

Water resources development: Boyce, R. R. 01537

Indonesia*Isle of Madura*

Ground water: Flathe, H. 00316

Infiltration*Artificial recharge*

Natural conditions controlling rates: Schiff, Leonard. 01641

Control

Canal seepage and chemical sealants: Willson, R. J. 00107

Effect of TBC as a soil waterproofing agent: Hemwall, J. B. 00297

Estimation

Mathematical refinement, Holton's concept: Overton, D. E. 03014

Numerical solution: Green, R. E. 00302

Hydraulic conductivity

Piezometer cavity use: Seginer, I. 02243

Unsaturated porous materials: Youngs, E. G. 00288

Use of piezometer cavity: Seginer, I. 00282

Irrigation

Hydraulics: Collins, D. L. 00121

Infiltration-advance problem: Philip, J. R. 00702

Measurement

General discussion: Musgrove, G. W. 02147

Moisture profiles under small positive head: Gupta, R. P. 01165

Radioactive tracers: Meek, B. D. 00307

Model studies

Watershed runoff: Betson, R. P. 00709

Movement

Effects of vegetation: Lull, H. W. 02061

Percolation properties of soils: Subbotin, A. I. 01866

Rainfall-runoff relationships

General discussion: Musgrove, G. W. 02147

River forecasting: Kohler, M. A. 01800

Infiltration*Rates*

- Artificial recharge pits, shape: Lehr, J. H. 00075
- Effect of physical and chemical parameters: Schiff, Leonard. 00377
- Method for determining in irrigated furrows: Shull, Hollis. 00295
- Ultimate moisture profile: Childs, E. C. 00284
- Weathered rock, tests: Stewart J. W. 02151

Soil-water relations

- Effects of organic trenching: Kingsley, Q. S. 00640
- Moisture profiles, rains of low intensity: Rubin, J. 01297
- Ponding: Rubin, J. 01388

Textbook discussion

- Handbook of Applied Hydrology*: Musgrove, G. W. 02147

Iowa*Big Sioux River*

- Channel improvement project: U.S. Army Corps of Engineers. 01171

Irrigation*Canals*

- Canal sealing with bentonite: Rollins, M. B. 01610
- Distribution system: Idaho Water District No. 36. 00927
- Seepage problems, chemical sealants: Willson, R. J. 00107

Consumptive use

- Blaney-Criddle method: Blaney, H. F. 01243
- Effect of stage of cotton growth on moisture use: Doss, B. D. 00294

Design

- Subsurface drainage seepage, transient-flow concept: Dumm, L. D. 01844

Development

- Subhumid areas, Nebraska and Missouri: Soderberg, A. A. 00040

Economics

- Dudley Ridge Water District, California: Illingworth, L. R. 01989

Effects on ground water

- Idaho, Snake River basin: Mundorff, M. J. 01283
- Lake County, Oregon: Hampton, E. R. 01967

Feasibility

- Willamette Basin, Oregon: Boersma, Larry. 01126

General discussion: Ogrosky, H. O. 02071*History*

- Nevada, political movements, 1885-1902: Glass, M. E. 00230

Infiltration

- Hydraulics of terminal profile, flow over porous bed: Collins, D. L. 00121
- Laplace transformation: Philip, J. R. 00702

Moisture retention

- Estimation, layered soils: Miller, D. E. 02113

Oregon

- General discussion: King, A. S. 02209
- General discussion: Mangan, J. F. 01999

Irrigation*Pesticides*

- Recycling problems: Orlob, G. T. 00756

Research

- Report of ASCE committee: American Society of Civil Engineers. 01468

Salinity aspects

- General discussion: Allisor, L. E. 03036
- Maintaining water tables in salt movement studies: Pohjakas, K. 00019
- Saline and sea water, direct irrigation, research: Boyko, Hugo. 00910
- Saline irrigation water effects: Lunin, J. 01623
- Surface mulches, saline soil reclamation: Carter, D. L. 01625
- West Pakistan: Harvard Water Resources Group. 01502
- West Pakistan: White House-Dept. of Interior. 01022

Scheduling

- Application of dimensional analysis: Bowman, C. C. 00113
- Effects of weather fluctuations: Wilcox, J. C. 00017
- General discussion: Hobbs, E. H. 00274

Seepage

- Auxiliary potential function: Schimming, B. B. 02128
- Measurement, in flow-advance-storage method: Shull, Hollis. 00295

United States

- Acreage irrigated, State by State survey: Irrigation Engineering and Maintenance. 01811

Water quality

- Effects on soils, Kansas: Jacobs, H. S. 00653
- Lithium, crop damage: Ashe, H. J. 01398

Water reuse

- Effect of pesticides: Orlob, G. T. 00756

Water use

- Effective rainfall: Hershfield, D. M. 00041

Waterlogging

- West Pakistan: Harvard Water Resources Group. 01502
- West Pakistan: White House-Department of Interior. 01022
- Western Pakistan, Rechna Doab: Bhatti, A. K. 03035

World wide

- Efficient water use: Greenshields, E. L. 01531

Israel*Central*

- Ground water, Cenomanian-Turonian aquifer: Schneider, Robert. 00526

Central coastal plain

- Seasonal chemistry of marsh waters: Yaalon, D. H. 00367

Dew

- Effect on plants: Duvdevani, S. 00291

Ground water

- Movement, temperature relation: Schneider, Robert. 02130
- Sea-water intrusion into calcareous aquifers: Mandel, S. 01449

Israel*Hydrological activities*

Projects and publications, 1960-62: Internat. Assoc. Sci. Hydrology. 01735

Lake Tiberias

Surface-subsurface reservoirs, utilization: Buras, Nathan. 02152

Italy*Vaiont Valley*

Vaiont Reservoir disaster: Kiersch, G. A. 01492

Kansas*Bostwick unit*

Missouri River irrigation development: Soderberg, A. D. 00040

Dam construction

State laws: Jehlik, D. G. 00752

Flood control

Storage requirements: Furness, L. W. 01452

Grant County

Geohydrology: Fader, S. W. 00753
Water-level changes, 1939-1964: Winslow, J. D. 00755

Ground water

Levels, 1963: Broecker, M. E. 00754

Kansas River basin

Fluvial sediment: Mundorff, J. C. 02226

Little Arkansas River basin

Brine contamination, surface water: Albert, C. D. 01642

Lyon County

Limnological features, State Lake: Prophet, C. W. 02173

Saline River basin

Sedimentation: Jordan, P. R. 00533

Stanton County

Geohydrology: Fader, S. W. 00753
Water-level changes, 1939-1964: Winslow, J. D. 00755

Statewide

Irrigation effects on soils: Jacobs, H. S. 00653

Surface-water quality

1962 water year data: Mayes, J. L. 00361

Walnut River

Chemical quality compared with Whitewater River, 1963: Leonard, R. B. 00360
Four chemical-quality surveys, Dec. 1961 to Oct. 1963: Leonard, R. B. 01275
Oil-field-brine pollution: Leonard, R. B. 01332

Water resources

Water development program: Kansas Legislative Council. 00362

Wichita area

Water resources: Petri, L. R. 00516

Kentucky*Beaver Creek basin*

Hydrologic environment and strip mining: Collier, C. R. 00501

Blue Grass region

Geochemistry of natural water: Hendrickson, G. E. 00551

Briensburg quadrangle

Ground-water availability map: MacCary, L. M. 00607

Kentucky*Dexter quadrangle*

Ground-water availability map: Davis, R. W. 00594

Edmonson County

Flint Ridge Cave system: Smith, P. M. 01639

Elva quadrangle

Ground-water availability map: Morgan, J. H. 00609

Farmington quadrangle

Ground-water availability map: Morgan, J. H. 00593

Floods

Damage abatement: Parker, F. H. 00495

Hardin quadrangle

Ground-water availability map: MacCary, L. M. 02009

Hart County

Flint Ridge Cave system: Smith, P. M. 01639

Hazel quadrangle

Ground-water availability map: MacCary, L. M. 00615

Henderson area

Hydrology of alluvial deposits: Gallaher, J. T. 00592

Hickman Creek

Physical and other data to illustrate Horton's stream classification: Paritz, Eric. 01581

Kirksey quadrangle

Ground-water availability map: Morgan, J. H. 00606

Louisville, southwestern

Ground water: Price, W. E., Jr. 00619

Lynn Grove quadrangle

Ground-water availability map: Davis, R. W. 02013

Mammoth Cave

Fluvial sedimentation: Collier, C. R. 00138

New Concord quadrangle

Ground-water availability map: Lambert, T. W. 00610

Oak Level quadrangle

Ground-water availability map: Morgan, J. H. 00608

Ohio River

Hydrology of alluvial deposits between Louisville and West Point: Price, W. E., Jr. 00605

Ohio River valley

Ground water, Catlettsburg to South Portsmouth: Price, W. E., Jr. 01194

Ground water, Ethridge to the Twelvemile Island: Price, W. E., Jr. 01434

Ground water, Manchester Islands to Silver Grove: Price, W. E., Jr. 01195

Ground water, Newport to Warsaw: Price, W. E., Jr. 01197

Ground water, Stanley area: Gallaher, J. T. 01198

Ground water, Uniontown area to Wickliffe: Gallaher, J. T. 01199

Ground water, Wolf Creek to West Point areas: Gallaher, J. T. 01196

Kentucky

Southeastern

Floods, January-February 1957: U.S. Geological Survey. 01294

Kuwait

Ground water

Problems of an arid region: Bergstrom, R. E. 00355

Lakes

Antarctica

Heat balance: Ragotzkie, R. A. 01003
Lake Bonney, limnology: Angino, E. E. 01453

Arctic

Ground temperature and permafrost distribution: Brown, W. G. 00016
Nettilling Lake, limnology: Oliver, D. R. 01280

Canada

Limnology, Great Bear, Great Slave, Athabaska, and Winnipeg Lakes: Larkin, P. A. 00676

Chemistry

Carbonates, saturation: Hostetler, P. B. 01719

Closed basins

Water-level fluctuations, arid zones: Kritsky, S. N. 01756

Florida

Depths: Kenner, W. E. 01886

Geomorphology

Retreat of lakeshore bluffs: Pincus, H. J. 01038

Glossary

Lake terminology: Veatch, J. O. 02048

Great Salt Lake

Salt migration: Adams, T. C. 00943

Green Lake

Washington, Seattle area, urbanization effects: Sylvester, R. O. 02090

India, Madras State

Limnology: Sreenivasan, A. 01225

Lake Erie

Changes during 1948-62: Verduin, Jacob. 01310
Evaporation, variation and causes: Derecki, J. A. 00997
Hydrologic budget: Brunk, I. W. 00998
Water-level spectra: Platzman, G. W. 00713
Wave-heights and periods, north shore: Brebner, Arthur. 01274

Lake Huron

Chemical characteristics, south-central: Allen, H. E. 01000

Lake Michigan

Air-sea interaction study: Elder, F. C. 01018
Bacterial pollution indicators, survival: Scarce, L. E. 00999
Currents, circulation: Verber, J. L. 01002
Harbor currents, survey: Saylor, J. H. 00995

Lake Ontario

Determination of design waves: Brebner, Arthur. 00658
Evaporation variation: Richards, T. L. 00996
Hydrologic budget: Brunk, I. W. 00998
Lake-effect snow, radar observations: Lansing, Livingston. 00962

Lakes

Lake Ontario

Wave-heights and periods, north shore: Brebner, Arthur. 01274

Lake Tahoe

Waste disposal effects on the Lake: Ludwig, H. F. 00047

New England

Carbon isotopes, distribution: Deevey, E. S., Jr. 01892

North America

Bacterial content of sediment: Anthony, E. H. 00364

Use as a rain gage: Anderson, D. V. 02088

Water level

Stage control, remote areas: Szesztay, K. 01629

Water quality

Effect of air bubbling: Koberg, G. E. 00175

West Virginia

Chemical and physical limnology, Cheat Lake: Corbett, R. G. 00460

Libya

Cyrenaica, Bengasi area

Ground-water resources: Loyel, W. W. 01331

Tripolitania, Sirte area

Ground water: Ogilbee, William. 00557

Zuara

Double pumping technique for fresh-water lenses: Underhill, H. W. 01354

Limnology

Aquatic organisms

Actinomycetes, role in stream self-purification: Silvey, J. K. G. 03013

Bacteria in sediments, relation to chemistry: Anthony, E. H. 00364

Bacteria, relation to recreational pollution: Rosebery, D. A. 00054

Effects on oxygen balance, fresh-water streams: Edwards, R. W. 02096

Fishery management, related to water supply forecasts: Farnes, P. E. 00899

Manganese concentration, cellular: Oborn, E. T. 01797

Microbiotic cycles in surface waters: Silvey, J. K. G. 01849

Plankton in different altitudinal zones, Colorado: Patalas, Kaimierz. 01288

Water chemistry, plankton Montreal River lake-system: Cushing, C. E., Jr. 01754

Canada

Great Bear, Great Slave, Athabaska, and Winnipeg Lakes: Larkin, P. A. 00676

Chemistry

Amino acids, occurrence in aquatic plants and sediments: Swain, F. M. 00218

Carbon dioxide, determination in relation to plants and pH: Wood, K. G. 01308

Carbon, sulfur isotopes, tracers of lake metabolism: Deevey, E. S., Jr. 01553

Chemical changes, rain-fed marsh, dry season: Yaalon, D. H. 00367

Distribution of natural isotopes of carbon: Deevey, E. S., Jr. 01892

Limnology*Chemistry*

- Florida, Lake Maggiore, oxygen depletion effects: Reid, G. K. 00942
- Lake Huron, south-central: Allen, H. E. 01000
- Manganese concentration by aquatic organisms: Oborn, E. T. 01797
- Oil refinery effluent holding pond: Copeland, B. J. 01378
- Oxygen balance, fresh-water streams: Edwards, R. W. 02096
- Phosphate equilibrium, reduced sediments and water: Olsen, Sigurd. 02109
- Salt migration, Great Salt Lake: Adams, T. C. 00943
- Strip-mine lakes: Parsons, J. D. 01304
- Strontium cycle, zooplankton role: Marshall, J. S. 01311

Ecology

- Bog, New York: Ketchledge, E. H. 00029
- Flowing water, effect of current: Jaag, O. 02204
- Lake Ontario, Oswego River outlet, pollution determination: Jackson, D. F. 01230
- Riffles, organic wastes effects on ecology: Hawkes, H. A. 00693

Estuaries

- Biological and chemical features: Frolander, H. F. 00447
- Nitrogen transformations: Wilkinson, L. 00699
- Photosynthetic oxygenation: Hull, C. H. J. 02172

Eutrophication

- Biological removal of nutrients: Fitzgerald, G. P. 00681
- Nitrogen removal from sewage: Wuhrmann, K. 00680
- Nutrient removal from sewage: Foyn, Ernst. 00679
- Nutrient removal methods: Rohlich, G. A. 00695

General

- Idaho, northern and central: Buscemi, P. A. 00682
- Northwest Territories, Nettilling Lake: Oliver, D. R. 01280
- West Virginia, Cheat Lake: Corbett, R. G. 00460

Glossary

- Lake terminology: Veatch, J. O. 02048

Great Lakes

- Research, conference proceedings: Michigan University. 01001
- Research organizations, programs: Chandler, D. C. 02174

Heat budgets

- Annual, morphometric control, temperate lakes: Gorham, Eville. 01222

Hydromechanics

- Turbulence, diffusion, Great Lakes: Csanady, G. T. 01239

Limnology*Lake Erie*

- Changes during 1948-62, western part: Verduin, Jacob. 01310

Mississippi River

- Minneapolis-St. Paul reach: Schroepfer, G. J. 00690

Model studies

- Chemical composition, Great Lakes: Kramer, J. R. 01233
- Hydromechanics and thermal stratification: Harleman, D. R. F. 01240

Ohio River

- Study, upper part, nuclear industry site evaluation: Shapiro, M. A. 01554

Pollution

- Pesticides, toxicological effect on fish environment: Walker, C. R. 01401
- Pesticides, toxicological effect on fish environment: Walker, C. R. 01935

Recreational lakes

- General discussion: Mackenthun, K. M. 00422

Research

- Data processing: Cudbird, B. S. V. 01227

Reservoirs

- Kansas, Lyon County State Lake, reflooding: Prophet, C. W. 02173
- Oxygen regime, self-purification processes: Drachev, S. M. 00686
- Water aging and stabilization: Wilroy, R. D. 01708
- Sediments*
- Bacterial content, relation to chemical and optical properties of water: Anthony, E. H. 00364
- Mud-water interface, review: Hayes, F. R. 01938
- Varves, formation, Ontario lakes: Tippet, Roger. 01433

Streams

- Sampling and data presentation: Tindall, D. R. 01216

Temperature, water

- Antarctica, Lake Bonney: Shitcliffe, T. G. L. 01314
- Antarctica, Lake Bonney, solar radiation as heat source: Shitcliffe, T. G. L. 00721

Textbook discussion

- Handbook of Applied Hydrology*: Zumberge, J. H. 02052

Thermal properties

- Air-water interface: Bryson, R. A. 01551
- Heat balance, two Antarctic lakes: Ragotzkie, R. A. 01003
- Reservoir temperature in north-central Alabama: Peirce, L. B. 01847
- Stratification elimination by air bubbling: Koberg, G. E. 00175
- Winter heat balance: Scott, J. T. 00470

Urbanization effects

- Green Lake, Washington: Sylvester, R. O. 02090
- Nutrient buildup in Lake Tahoe: Ludwig, H. F. 00047

Limnology*Water levels*

- Cyclic phenomena in hydrology and solar activity: Dixey, F. 00345
- Effect of catchment area: Simojoki, H. 01447
- Forecasting, Great Lakes: Megerian, Edmond. 01236
- Lake Erie: Platzman, G. W. 00713

Louisiana*Baton Rouge area*

- Flood of 1962: Camp, J. D. 00616
- Saline-water intrusion: Morgan, C. O. 00496

Bossier Parish

- Water resources: Page, L. V. 01135

Caddo Parish

- Water resources: Page, L. V. 01135

De Soto Parish

- Water resources: Page, L. V. 00564

Floods

- April-May 1958: Smith, R. P. 00535
- Magnitude and frequency, data, analysis, through 1960: Sauer, V. B. 01724

Jefferson Davis Parish

- Ground water: Whitman, H. M. 01136
- Surface water: Sloss, Raymond. 01137

Quachita River

- Flood protection project: U.S. Army Corps of Engineers. 01182

Sabine River basin

- Surface-water quality: Hughes, L. S. 00825

Shreveport

- Oil-brine contamination: Hirsch, A. A. 00970

Southeastern

- Magnitude and frequency of storm runoff: Sauer, V. B. 00388

Surface-water quality

- Data, 1943-58: Kapustka, S. F. 01250

Water resources

- Development: Watts, C. T. 01534

Maine*Penobscot County*

- Ground-water data, lower Penobscot River basin: Prescott, G. C., Jr. 03026

Malawi*Runoff*

- Estimation from meteorological data in a tropical climate: Pike, J. G. 00349

Manitoba*Brandon map-area*

- Aquifer test: Charron, J. E. 01327

Fannystelle area

- Ground water: Charron, J. E. 01489

Flood control

- Water control program, Red River: Water Well Journal. 01591

Red River floodway

- Winnipeg, ground-water investigations: Scott, J. S. 00874

Surface-water quality

- Sediment data to Sept. 30, 1961: Canada Water Resources Branch. 00252

Winnipeg

- Alaskan earthquake's effects on water levels: Scott, J. S. 00357

Manitoba*Winnipeg map-area*

- Aquifer test: Charron, J. E. 01327

Maryland*Baltimore area*

- Water resources: Otton, E. G. 00513

Patuxent River estuary

- Water quality effects on attached macro-organisms: Corey, R. L. 00143

Southern

- Geochemistry of iron-rich ground water: Barnes, Ivan. 01567

Massachusetts*Assabet River basin*

- Ground-water data: Pollock, S. J. 03016

Buzzards Bay and Cape Cod Bay

- Hydrography and distribution of copepods: Anraku, Masateru. 00366

Housatonic River basin

- Flood protection project: U.S. Army Corps of Engineers. 01180

Ipswich River basin

- Water resources: Sammel, E. A. 01966

Lowell area

- Ground water: Baker, J. A. 00546

Merrimack River

- Pollution abatement study: Prendiville, P. W. 01068

Merrimack River basin

- Reservoir regulation: Childs, E. F. 00234

Mystic River basin

- Proposed dam, navigation locks, and flood control pumping station: Devenis, K. P. 01067

Natural resources

- Popular account: U.S. Department of the Interior. 02004

Wilmington-Reading area

- Ground water: Baker, J. A. 00548

Mekong River basin*Mekong Valley project*

- General discussion: Bourcier, Paul. 01104

Meteorology*Air circulation*

- Lake breeze: Munn, R. E. 01375

Air-sea interaction

- Instrumentation for study: Elder, F. C. 01018

Evaporation

- Influence of temperature, radiation, wind, and vapor pressure: Pelton, V. L. 00982

Flood forecasting

- Atmospheric circulation: Bruce, J. P. 00901

General discussion

- Introductory outline: Petterssen, Sverre. 01508

Glacial studies

- Recent research: Hoinkes, H. C. 00389

Global

- Influence of solar activity: Dixey, F. 00345

Hydrology

- Basic data networks: Hunter, H. I. 00903

Instrumentation

- Radar tracking, snow storm: Lansing, Livingston. 00962

Precipitation

- Seasonal forecasting: Willett, H. C. 00235

Meteorology*Temperature*

Methods of calculating mean daily temperatures and their effect on degree-day totals: Arnold, K. C. 01488

Weather modification

Review of current status: Schleusener, R. A. 00031

Water availability: Petterssen, Sverre. 02236

Michigan*Ground-water conditions*

Summary, 1963: Giroux, P. R. 00908

Maumee River basin

Water resources: Michigan Water Resources Commission. 01677

Paw Paw River basin

Water resources: Michigan Water Resources Commission. 00659

St. Clair River

Channel changes, effects: Korkigian, I. M. 01032

Surface water

Drought flow characteristics: Gannon, J. J. 01720

Drought flow characteristics: Gannon, J. J. 01721

Van Buren County

Water resources: Giroux, P. R. 01676

Minnesota*Jackson County*

Ground water: Norvitch, R. F. 00554

Minneapolis-St. Paul area

Geochemistry used to detect recharge areas: Maderak, M. L. 00173

Minneapolis-St. Paul Sanitary District

Research program: Schroepfer, G. J. 00690

Minnesota River, lower

Investigation, August 1963–February 1964: Minnesota Department of Health. 00661

Nobles County

Ground water: Norvitch, R. F. 00554

Northern border

Waterways, history: Minnesota Engineer. 00394

Redwood County

Ground water, Redwood Falls area: Schiner, G. R. 00542

St. Louis River basin

Water resources: Minnesota Division of Waters. 00994

Surface-water quality

Radioactivity, July–December 1963: Minnesota Department of Health. 01928

Zumbro River

Flood control project: U.S. Army Corps of Engineers. 01175

Mississippi*Adams County*

Water resources: Callahan, J. A. 00991

Claiborne County

Water resources: Callahan, J. A. 00991

Clay County

Aquifer test, West Point area: Wasson, B. E. 01241

Mississippi*Corinth area*

Water for industry: Newcome, Roy, Jr. 03030

Floods

Data, 1962: Neely, B. L., Jr. 03034

Data, 1961: Wilson, K. V. 03032

Gulf Coast aquifers

Saline-water intrusion, 1964: Lang, J. W. 03033

Hancock County

Saline-water intrusion: Lang, J. W. 03033

Harrison County

Saline-water intrusion: Lang, J. W. 03033

Hinds County

Ground water: Harvey, E. J. 03029

Jackson County

Saline-water intrusion: Lang, J. W. 03033

Status of water resources, fiscal year 1964: Newcome, Roy, Jr. 03031

Jefferson County

Water resources: Callahan, J. A. 00991

Madison County

Ground water: Harvey, E. J. 03029

Northern

Low-flow characteristics of streams: Speer, P. R. 02019

Pearl River at Jackson

Flood, 1961: Shell, J. D. 00617

Rankin County

Ground water: Harvey, E. J. 03029

Southwestern

Magnitude and frequency of storm runoff: Sauer, V. B. 00388

Warren County

Water resources: Callahan, J. A. 00991

Well logging

State Geological Survey activities: Bicker, A. R., Jr. 01334

Mississippi River

Comprehensive report: U.S. Army Corps of Engineers. 02038

Minneapolis-St. Paul reach

Pollution control research: Schroepfer, G. J. 00690

Pollution

General discussion: Terral, Rufus. 02135

Stages and discharges

Data, 1963: U.S. Mississippi River Commission. 01944

Water quality

Mayfly distribution as pollution indicator: Fremling, C. R. 01637

Source for public supply: Gelston, W. R. 00069

Mississippi River basin*Lower*

Flood magnitude and frequency: Patterson, J. L. 01208

Ground water in alluvium: Krinitzsky, E. L. 02211

Surface-water records, 1950–1950: U.S. Geological Survey. 01209

Mississippi River basin*Upper*

Surface-water records, 1950-1960: U.S.
Geological Survey. 02086

Mississippi River valley*Lower*

Flood control: U.S. Mississippi River
Commission. 00930

Missouri*Big River*

Water quality: Missouri Div. Geol. Survey.
01505

Bourbeuse River

Water quality: Missouri Div. Geol. Survey.
01505

Camden County

Sedimentation, Carroll Cave: Helwig, James.
02118

Charleston

Alluvial fan: Ray, L. L. 00151

Current River watershed

Land and water use: Nichols, J. M. 02230

Eleven Point River watershed

Land and water use: Nichols, J. M. 02230

Fissure caves

Artesian origin: Brod, L. G., Jr. 00623

Forest Lake

Bacterial pollution from recreational use:
Rosebery, D. A. 00054

Meramec River

Water quality: Missouri Div. Geol. Survey.
01505

Meramec River basin

Comprehensive basin study: U.S. Army Corps
of Engineers. 01815

*Surface-water quality: Taylor, C. T. 02032**Water resources*

Biennial report, state activities: Beveridge, T.
R. 01678

Missouri River*Turbidity removal*

Polyelectrolyte coagulant aids: Mueller, K. C.
00062

Missouri River basin*Cache la Poudre River basin, lower*

Ground water: Hershey, L. A. 00545

Lower

Surface-water records, 1950-60: U.S.
Geological Survey. 00912

Saline River

Water quality and sedimentation: Jordan, P.
R. 00533

Upper

Surface-water records, 1950-60: U.S.
Geological Survey. 01005

Montana*Boulder River drainage*

DDT persistence after aerial application:
Welch, E. B. 00452

Carbon County

Water resources, Bluewater Springs area:
Zimmerman, E. A. 00852

Great Falls

Giant Springs: Hurl, Floyd. 01423

Montana*Hebgen Lake*

Development of drainage systems on upraised
lake floor: Morisawa, Marie. 00098

Missoula County

Ground-water data, Missoula Valley:
Brietkrietz, Alex. 01679

Natural resources

Popular account: U.S. Department of the
Interior. 02008

Snow

Summary of surveys, 1922-1964: Farnes, P. E.
01783

Nebraska*Bostwick unit*

Missouri River irrigation development:
Soderberg, A. D. 00040

Chapman area

Ground-water conditions in proposed
waterfowl refuge: Keech, C. F. 00848

Ground water

Water levels, 1963: Emery, P. A. 01575

Hall County

Ground-water availability map: Keech, C. F.
00620

Harlan County

Sedimentation, Harlan County Reservoir:
U.S. Army Corps of Engineers. 01722

Loup River basin

Channel patterns and terraces: Brice, J. C.
00500

Merrick County

Ground water, Chapman area: Keech, C. F.
00848

Platte River basin, lower Cedar Rapids

Ground water: Hyland, J. B. 00850

Richardson County

Ground water: Emery, P. A. 00860

Saline County

Ground-water data: Emery, P. A. 01576
Ground-water data: Smith, F. A. 01683

Sheridan County

Ground water, Mirage Flats: Keech, C. F.
00862

York County

Ground-water data: Keech, C. F. 01577

Netherlands*Southwestern*

Geohydrological survey, methods used: Van
Eyden, W. A. A. 01324
Geohydrological survey, results: Santema, P.
01326

Nevada*Antelope Valley*

Ground water: Rush, F. E. 01793

Churchill County

Ground water, Edwards Creek valley: Everett,
D. E. 01105

Clark County

Ground water, Coyote Spring Valley and
Muddy River Springs: Eakin, T. E. 02111
Ground water, Meadow Valley area: Rush, F.
E. 01106

Colorado River

Commission report, 1964: Head, I. P. 00202

Nevada*Colorado River area*

Land use plan: U.S. Lower Colorado River.
02251

Coyote Spring Valley

Ground water: Eakin, T. E. 02111

Desert Research Institute

Report of activities, 1964: Maxey, G. B. 00203

Edwards Creek valley

Ground water: Everett, D. E. 01105

Eureka County

Ground water, Kobeh and Antelope Valleys:
Rush, F. E. 01793

Ground water

Seismic studies: McGinnis, L. D. 00229

Humboldt County

Ground water, Grass Valley area: Cohen,
Philip. 01684

Humboldt River

Gravity survey, Rose Creek constriction:

Cartwright, Keros. 01369

Research project, progress report: Nevada

Dept. Conserv. Nat. Resources. 02228

Humboldt River basin

Water resources, Battle Mountain sub-basin:

U.S. Department of Agriculture. 01110

Water resources, Elko area: U.S. Department
of Agriculture. 01108

Water resources, Reese River sub-basin: U.S.
Department of Agriculture. 01109

Water resources, Winnemucca area: Cohen,
Philip. 00227

Humboldt River valley

Ground water, near Winnemucca: Cohen,
Philip. 03001

Hydrology study program

Bureau of Land Management report, 1964:
Penny, J. R. 00885

Intermontane basins, northern

Ground water: Bredehoeft, J. D. 01348

Ione Valley

Ground water: Everett, D. E. 01107

Kane Spring Valley

Ground water: Eakin, T. E. 02111

Kobeh Valley

Ground water: Rush, F. E. 01793

Lake Tahoe

Waste disposal effects on the Lake: Ludwig,
H. F. 00047

Lander County

Ground water, Monitor Valley: Rush, F. E.
01793

Ground water, Smith Creek valley: Everett,
D. E. 01107

Las Vegas Valley

Ground water: Domenico, P. A. 01580

Land subsidence, 1935-63: Malmberg, G. T.
00909

Quantitative mapping techniques as aids in
hydrologic systems analysis of alluvial
aquifers: Domenico, P. A. 01990

Lincoln County

Ground water, Kane Spring Valley: Eakin, T.
E. 02111

Nevada*Lincoln County*

Ground water, Meadow Valley area: Rush, F.
E. 01106

Mason Valley nuclear power plant

Hydrogeology: Mifflin, M. D. 00624

Meadow Valley area

Ground water: Rush, F. E. 01106

Monitor Valley

Ground water: Rush, F. E. 01793

Muddy River Springs

Ground water: Eakin, T. E. 02111

Natural resources

Popular account: U.S. Department of the
Interior. 02015

Nevada Test Site

Crater infiltration: Rasmussen, W. C. 02103

Effects of ground-water development:

Winograd, I. J. 01339

Ground-water chemistry and movement:

Schoff, S. L. 02027

Ground-water test well 2: Moore, J. E. 00419

Hydrology, reconnaissance: Eakin, T. E.
00418

Nye County

Ground water, Ione Valley: Everett, D. E.
01107

Ground water, Monitor Valley: Rush, F. E.
01793

Oasis Valley

Fluoride in ground water: Malmberg, G. T.
00141

Pershing County

Ground water, Grass Valley area: Cohen,
Philip. 01684

Reclamation

History, 1885-1902: Glass, M. E. 00230

Sierra Nevada

Geochemistry, ground water: Feth, J. H.
02123

Smith Creek valley

Ground water: Everett, D. E. 01107

Southeastern

Muddy River Springs discharge: Eakin, T. E.
00172

Southern

Sedimentation of an alluvial fan: Bluck, B. J.
00225

Thermal springs

Map: Horton, R. C. 00485

Washoe County

Ground water, Truckee Meadows area:
Cohen, Philip. 00895

Water resources

Activities of Federal Power Commission,
1964: Griffin, R. H. 00204

Activities of the U.S. Geological Survey,
WRD, 1964: Worts, G. F., Jr. 00206

Activities of U.S. Forest Service, 1964: Sack,
Ivan. 00205

Activities of U.S. Weather Bureau, 1964: van
de Erve, Jerry. 00207

Bureau of Reclamation activities, 1964:
Pafford, R. J., Jr. 00886

Nevada*Water resources*

- Bureau of Reclamation activities, 1964: West, A. B. 00961
- Cooperative Snow Survey, 1964: Barton, Manes. 00888
- Corps of Engineers activities, 1964: Mathe, R. E. 00960
- Corps of Engineers activities, 1964: Peacock, E. G. 00887
- Development: Palmer, W. I. 00199
- Soil Conservation Service activities, 1964: Allen, V. J. 02125
- State division report, 1964: DeRicco, E. J. 00883
- Summary: Thomas, H. E. 00841

Water treatment

- Department of Public Health report, 1964: White, W. W. 00884

White River

- Ground-water system: Eakin, T. E. 00201

New Brunswick*Tobique basin*

- Snowmelt runoff studies, preliminary results: Davar, K. S. 00881

New England*Bedrock valleys*

- Related to sea-level fluctuations: Upson, J. E. 00505

Central

- Water-table fluctuations, wet soils: Lyford, W. H. 01101

Floods

- Historical: Thomson, M. T. 00855

Lakes

- Distribution of natural isotopes of carbon: Deevey, E. S., Jr. 01892

Northern

- Ground-water movement in Cabot loam: Bornstein, Joseph. 00103

New Hampshire*Merrimack River basin*

- Reservoir regulation: Childs, E. F. 00234

Salem-Plaistow area

- Ground-water favorability map: Weigle, J. M. 03004

Southeastern

- Ground water: Bradley, Edward. 00549

*Well data: Stewart, G. W. 02030***New Jersey***Atlantic City area*

- Interim hurricane survey: U.S. Army Corps of Engineers. 01177

Burlington County

- Tritium tracing, McDonalds Branch basin: Carlston, C. W. 00809

Delaware River

- Water quality at Trenton: McCarthy, L. T., Jr. 00861

Floods

- Delaware River and Bay, interim hurricane survey: U.S. Army Corps of Engineers. 01184
- Flood-depth frequency: Thomas, D. M. 00231

New Jersey*Floods*

- Height-frequency relations: Thomas, D. M. 00144
- Magnitude and frequency: Thomas, D. M. 02034

Raritan River estuary

- Biological significance of pollution abatement: Dean, David. 01224

Sandy Hook

- Foreshore sediment transport: Yasso, W. E. 01323

Somerset County

- Flood inundation map, Raritan and Millstone Rivers: Thomas, D. M. 00932

New Mexico*Acoma and Laguna Indian Reservations*

- Ground-water availability: Dinwiddie, G. A. 00519

Eddy County

- Ground water, tritium tracing: Reeder, H. O. 01338

Elephant Butte Reservoir

- Effect of seiches and setup: Haynes, G. L., Jr. 00153

Los Alamos area

- Ground water: Griggs, R. L. 00556

Natural resources

- Popular account: U.S. Department of the Interior. 02005

Navajo Indian Reservation

- Ground-water data: Cooly, M. E. 01484

Northeastern

- Municipal water supplies and uses: Dinwiddie, G. A. 01111

Pecos River

- Potential ground-water salvage, Acme to Artesia: Mower, R. W. 01206

Quay County

- Ground water, Tucumcari area: Trauger, F. D. 01112

Rio Grande

- Aspects of flow resistance and sediment transport, Bernalillo area: Nordin, C. F., Jr. 01204

- Phreatophyte communities, comparative study: Campbell, C. J. 01753

- Sedimentation: Nordin, C. F., Jr. 01964

Rio Grande conveyance channel

- Stream gaging and sediment discharge: Harris, D. D. 00511

Rio Grande, middle

- Sediment transport investigation: Pemberton, E. L. 00762

- Sedimentation: Culbertson, J. K. 01256

Rio Puerco River

- Channel erosion, sediment transport, study: Nordin, C. F., Jr. 00779

Roswell basin

- Artificial recharge: Motts, W. S. 00963
- Tritium content, ground water: Reeder, H. O. 00161

Water law

- Survey of legislation and decisions: Clark, R. E. 01549

New Mexico*Water resources*

State-Federal cooperative activities: New Mexico State Engineer. 00254

Water-rights administration: New Mexico State Engineer. 00254

New York*Albany*

Subsurface temperature fluctuation: Heath, R. C. 01962

Albany-Schenectady-Troy area

Water resources: Halberg, H. N. 00512

Catskill Mountain region

Earth dams in glacial terrain: Fluhr, T. W. 01595

Cattaraugus County

Water resources: LaSala, A. M., Jr. 00906

Connecticut River

Discharge into ocean, effects on temperature and salinity: Ketchum, B. H. 02208

Erie County

Water resources: LaSala, A. M., Jr. 00906

Genesee County

Water resources: LaSala, A. M., Jr. 00906

Ground water

Summary: Heath, R. C. 01541

Housatonic River basin

Flood protection project: U.S. Army Corps of Engineers. 01180

Lake Erie-Niagara area

Water resources: LaSala, A. M., Jr. 00906

Low-flow studies

Statistical analysis: O'Connor, D. J. 01818

Nassau County

Cadmium and chromium in ground water: Lieber, Maxim. 01803

Detergent pollution: Perlmutter, N. M. 00163

Niagara County

Ground water, periscope study of borehole: Trainer, F. W. 00177

Water resources: LaSala, A. M., Jr. 00906

Niagara Falls area

Ground water: Johnston, R. H. 01113

Orleans County, western

Ground water: Johnston, R. H. 01113

Oswego River

Quality of water: Jackson, D. F. 01230

Precipitation

Dendrochronology: Schneider, W. J. 01973

Lake-effect snow, radar observations:

Lansing, Livingston. 00962

Saratoga County

Hydrology, West Milton area: Mack, F. K. 01358

Southwestern

Floods, January-February 1959: U.S.

Geological Survey. 01322

Suffolk County

Hydrogeology, Huntington-Smithtown area: Lubke, E. R. 01253

Hydrology, Babylon-Islip area: Pluhowski, E. J. 00560

Water quality, Brookhaven National Laboratory: de Laguna, Wallace. 00569

New York*Syracuse area*

Ground-water resources: Kantrowitz, I. H. 00905

Tully Forest

Snowmelt studies: Satterlun⁴, D. R. 00877

Water resources

Planning and development: New York

Temporary State Comm. 01373

Western

Sediment in floodwaters from three watersheds: Parsons, D. A. 01359

Wyoming County

Water resources: LaSala, A. M., Jr. 00906

North America*Ground water*

Occurrence and management: Thomas, H. E. 00810

Surface-water quality

Deuterium content in natural waters:

Friedman, Irving. 00386

Water resources

Distribution of water from Alaska and Canada to U.S. and Mexico: Kelly, R. P. 00200

North Atlantic slope basins*Maine to Connecticut*

Flood magnitude and frequency: Green, A. R. 01249

Surface-water records, 1950-60: U.S.

Geological Survey. 01007

New York to York River

Surface-water records, 1950-60: U.S.

Geological Survey. 01303

North Carolina*Beaufort County*

Ground water, phosphate mining effects:

Nelson, P. F. 01115

Burke County

Ground water, Rutherford College area:

Bright, W. E. 01114

Cape Hatteras

Ground water: Harris, W. H. 01454

Forsyth County

Ground water, Tanglewood Park: Peace, R.

R., Jr. 01117

Pamlico Sound

Sediments: Duane, D. B. 00478

Sampson County

Ground water, Clinton area: Laymon, L. L.

01116

Surface-water quality

Data, 1961-62: Phibbs, E. J., Jr. 00983

Data, 1960-61: Phibbs, E. J., Jr. 00989

Swanquarter area

Ground water: Nelson, P. F. 01247

Water quality

Municipal water supplies: U.S. Geological Survey. 01248

Water resources

Planning: North Carolina Dept. Water Resources. 00395

Water use

Industrial uses: Walker, W. F. 00890

North Dakota

Barnes County

Ground water, Spiritwood aquifer: Kelly, T. E. 01979

Ground-water data: Kelly, T. E. 00913

Benson County

Ground water, Devils Lake area: Paulson, Q. F. 01119

Bottineau County

Ground water, Bottineau area: Froelich, L. L. 00914

Cass County

Ground water, Amentia area: Froelich, L. L. 01121

Devils Lake

Ground water: Johnson Drillers Journal. 00331

Eddy County

Ground water, Devils Lake area: Paulson, Q. F. 01119

Garrison Dam and Snake Creek

Relief wells: Arnold, A. B. 01596

Grand Forks County

Saline ground water, Brenna Township: Benz, L. C. 01014

Grand River drainage basin

Surface-water quality and sedimentation: Hembree, C. H. 00561

Ground-water resources

General discussion: Paulson, Q. F. 00907

Ramsey County

Ground water, Devils Lake area: Paulson, Q. F. 01119

Red River valley

Saline ground water: Sandoval, F. M. 01611

Rollette County

Ground water, Rolla area: Schmid, R. W. 01120

Sheyenne River

Ground-water—surface-water relations: Paulson, Q. F. 01980

Southeastern

Geologic control on Sheyenne River discharge: Paulson, Q. F. 01980

Spiritwood aquifer

Geohydrology: Kelly, T. E. 01979

Stutsman County

Ground water, Spiritwood aquifer: Kelly, T. E. 01979

Surface-water resources

General discussion: Hoisveen, M. W. 01118

Ward County

Ground water, Surrey area: Froelich, L. L. 00911

Northwest Territories

Baffin Island

Nettilling Lake, limnology: Oliver, D. R. 01280

Norway

Glaciology

Mass budget: Ostrem, Gunnar. 00348

Water power

Ice problems: Devik, Olaf. 00482

Oceanography

Bays

Hydrography and distribution of copepods: Anraku, Masateru. 00366

Chemistry of sea water

Electrolytes, partial equivalent conductance: Park, Kilho. 01093

Helium, neon, and argon in the ocean: Konig, H. 01090

Salinity estimation: Johnston, R. 01909

Significance of sodium cycle: Livingstone, D. A. 00677

Continental shelf

Oceanographical engineering: Wiegell, R. L. 01016

Fresh-water outflow

Columbia River, zinc 65 in Euphausiids: Osterberg, Charles. 01350

Physical

Features important to hydrology: Chow, V. T. 01507

Popular literature: Caidin, Martin. 02082

Reference text

Annual review, volume 2, 1964: Barnes, Harold. 01936

Sea-level changes

Puerto Rico: Jones, C. T. 00198

Southwestern Florida: Scholl, D. W. 00391

Southwestern Florida: Scholl, D. W. 00393

Textbook: Pickard, G. L. 02054

Ohio

Cambridge area

Flood of June 1963: Cross, W. P. 00923

Chillicothe area

Flood inundation map: Edelen, G. W., Jr. 00577

Cincinnati area

Urban land runoff study: Weibel, S. R. 00444
Water needs and supply: Ohio Division of Water. 00270

Circleville area

Flood inundation map: Edelen, G. W., Jr. 00579

Dayton area

Water needs and supply: Ohio Division of Water. 00270

Floods

January-February 1959: U.S. Geological Survey. 01322
March 1964: Cross, W. P. 00269
March 1963: Cross, W. P. 00923

Little Miami River basin

Water inventory: Ohio Division of Water. 00270

Mad River basin

Estimating the influent flow rate by aquifer test: Walton, W. C. 01879
Ground-water—surface-water relations, Springfield: Cross, W. P. 02006

Miami River

Pollution: Resources for the Future. 02025

Mill Creek basin

Water inventory: Ohio Division of Water. 00270

Ohio*Montgomery County*

- Radioactivity monitoring, Great Miami
River: Adams, P. C. 01337

Mount Vernon area

- Flood inundation map: Edelen, G. W., Jr.
02012

Newark area

- Flood inundation map: Edelen, G. W., Jr.
00576

Pollution

- Problems and correction: Nichols, J. H. 02229

Rocky River harbor

- Flood control project: U.S. Army Corps of
Engineers. 01826

Zanesville area

- Flood inundation map: Edelen, G. W., Jr.
00578

Ohio River*Pollution*

- Annual report, 1964: ORSANCO. 01526

Upper

- Limnological study for nuclear industry waste
disposal: Shapiro, M. A. 01554
Tracer studies, rhodamine-B: Kisiel, C. C.
01790

Ohio River basin

- Surface-water records, 1950-1960: U.S.
Geological Survey. 02040

Oklahoma*Climatic classifications*

- Koppen and early Thornthwaite systems:
Doerr, A. H. 01792

Ground-water levels

- Data, 1961-62: Wood, P. R. 00924

Recharge

- Effect of differential cattle stocking rates:
Rhoades, E. D. 00751

Surface-water quality

- Period Oct. 1, 1958-Sept. 30, 1959:
Cummings, T. R. 00271

Ontario*Bancroft-Haliburton region*

- Uranium in water samples: Chamberlain, J.
A. 00193

Eastern

- Investigation into nature of layering of deep-
water lake sediments: Tippet, Roger. 01433

Hydrologic data

- Well samples, catalogue: Sanford, B. V. 00011

Ottawa

- Alaskan earthquake's effects on water levels:
Scott, J. S. 00357

Prince Edward County

- Deep lake basins, postglacial chronology:
Terasmae, J. 01234

St. Clair River

- Channel changes since 1933: Korkigian, I. M.
01032

Oregon*Columbia River*

- Coastal plume traced with zinc 65: Osterberg,
Charles. 01350
Radioactive particle in sediment: Cutshall,
Norman. 00627

Oregon*Columbia River*

- Radiological survey, January 1962-July 1963:
Toombs, G. L. 01929

Columbia River basin

- Development for power and irrigation:
Nelson, H. T. 01125

Eastern

- Maximum flood frequencies: Boyer, P. B.
02108

- Piping in volcanic rock terrane: Parker, G. G.
01320

Flood control

- General discussion: Talbott, W. J. 02247

Forests

- Management: Richen, C. W. 02240

Ground water

- Ground-water levels, 1963: Sceva, J. E. 01638

Hood drainage basin

- Water and related land resources: U.S.
Department of Agriculture. 00417

Irrigation

- General discussion: King, A. S. 02209

- General discussion: Mangan, J. F. 01999

Josephine County, Rogue River basin

- Proposed irrigation project: U.S. Bureau of
Reclamation. 01172

Lake County

- Ground water in Fort Rock Basin: Hampton,
E. R. 01967

Lost River system

- Water quality management study: Orlob, G.
T. 00756

Middle coast drainage basin

- Water and related land resources: U.S.
Department of Agriculture. 00416

Natural resources

- Popular account: U.S. Department of the
Interior. 00420

Portland area

- Ground-water data: Foxworthy, B. L. 01142

Rogue River basin, Merlin division

- Proposed irrigation project: U.S. Bureau of
Reclamation. 01172

Surface water

- Correlation of temperature data: Moore, A.
M. 00174

Tualatin River, Scoggin Creek

- Multiple-purpose development project
proposal: U.S. Bureau of Reclamation.
01009

Umatilla River basin

- Ground water: Hogenson, G. M. 01254

Umpqua River basin

- Water temperature control: Delay, W. H.
02010

Union County

- Ground water, upper Grande Ronde River
basin: Hampton, E. R. 00523

Water management

- Water quality control: Everts, C. M. 01996

Water quality

- Effect on fish: Meierjürgen, H. P. 02219
Problems, future needs: Wendel, H. F. 01686

Oregon

Water resources

- Development, local participation: Rea, Lloyd. 02237
- Domestic, municipal water needs: Merryfield, Fred. 02222
- Flood control and multiple-purpose water resources development: Stewart, W. H. 01994
- General discussion: Oregon Dept. Planning and Development. 00272
- Planning: Davis, John. 03023
- Planning and development: Karr, M. H. 02000
- Planning and development: Oregon State University. 01143
- Planning and development: Oregon Water Resources Board. 00273
- State activities: Lane, D. J. 01993

Water use

- Fish and wildlife: Schneider, P. W. 01997
- Industrial requirements: Smith, R. L. 02244
- Mining, mineral industries: McColloch, F. C. 02218
- Navigation: Hasselbrink, Lyle. 02261
- Recreation: Jackson, G. L. 02205
- Recreation: Schick, Harold. 01998
- Wildlife: Greenough, Tallant. 02197

Willamette Basin

- Agronomic potential: Boersma, Larry. 01126
- Water resources planning activities: Lane, D. J. 00915

Willamette River basin

- Water and related land resources, lower basin: U.S. Department of Agriculture. 00415

Yaquina Bay

- Biological and chemical features: Frolander, H. F. 00447

Pacific Northwest

Watershed planning

- Conflicting interests: Benedetti, A. J. 00975

Pacific slope basins

California

- Surface-water records, 1950-1960: U.S. Geological Survey. 01210

Oregon and lower Columbia River basin

- Flood magnitude and frequency: Hulsing, Harry. 01251

Washington and upper Columbia River basin

- Flood magnitude and frequency: Bodhaine, G. L. 01252
- Surface-water records, 1950-1960: U.S. Geological Survey. 01379

Pakistan

Indus Plain

- Hydrology, waterlogging and salinity problems: Harvard Water Resources Group. 01502
- Hydrology, waterlogging and salinity problems: White House-Department of Interior. 01022

Indus River

- Water resources development: Joy, C. R. 01501

Pakistan

Indus Valley

- Water resources: Karpov, A. V. 00037

Pennsylvania

Adams County

- Hydrology, New Oxford Formation: Wood, P. R. 01144

Anthracite field, northern

- Mine-water drainage: Barnes, Ivan. 00509

Chartiers Creek basin

- Flood control project: U.S. Army Corps of Engineers. 01178

Coastal area

- Delaware River and Bay, interim hurricane survey: U.S. Army Corps of Engineers. 01184

Ground water

- Occurrence in fracture zones in carbonate rocks: Lattman, L. H. 01353

New Oxford Formation

- Hydrology, Adams and York Counties: Wood, P. R. 01144

Potomac River basin

- Water management, planning, economic development: Interstate Comm. Potomac River Basin. 02134

- Water use and quality: Mason, K. M. 02060

Susquehanna River basin, West Branch

- Surface-water quality: McCarren, E. F. 00566

Western

- Floods, January-February 1959: U.S. Geological Survey. 01322

York County

- Hydrology, New Oxford Formation: Wood, P. R. 01144

Permafrost

- Bibliography:* U.S. Library of Congress. 02024

Bibliography index

- Snow, ice, and permafrost: U.S. Library of Congress. 02115

Distribution

- Mackenzie Delta, Northwest Territories: Johnston, G. H. 01707

Engineering problems

- Alaska: Migliaccio, R. R. 01987

Geocryological phenomena

- General discussion, formation: Kachurin, S. P. 01073

Ground temperature

- Unfrozen zone under lake: Brown, W. G. 00016

Well development

- Alaska: Tisdell, F. W. 00089
- Bethel, Alaska: Feulner, A. J. 00170

Wells

- Thawing by electrical means: Eaton, E. R. 01409

Permeability

Determination

- Acoustic logging, locating fracture zones: Morris, R. L. 00740
- Clay: Young, Allen. 00729

Permeability*Determination*

- Core analysis, Tensleep Sandstone: Bredehoeft, J. D. 00171
- Eliminating boundary-flow errors in laboratory: McNeal, B. L. 01162
- Limitations in heterogeneous aquifers: Rasmussen, W. C. 00375
- Nuclear magnetism logging, field results: Gamson, B. W. 00734

Directional

- Determination: Weeks, E. P. 01981
- Heterogeneous anisotropic porous media: Greenkorn, R. A. 00919

Fractured rock

- Airphoto mapping: Boyer, R. E. 01147
- Development of fracture porosity: Drummond, J. M. 01321
- Ground water in carbonates: Lattman, L. H. 01353
- Pressure behavior, vertical fractures: Russell, D. G. 00748

Peat

- General discussion: Hofstetter, R. H. 00195

Porosity relations

- Carbonate stratigraphic traps: Stout, J. L. 00090

Primary

- Blocking by clay, effects of water chemistry: Jones, F. O., Jr. 00738

Sandstone

- Effect of bacteria: Kalish, P. J. 00741

Secondary

- Carbonate rocks: Owen, E. W. 00092

Shaly sands

- Increase with chemicals: Chakravorty, S. K. 00747

Soil

- Effects of various clay minerals: Lovas, L. 00373

Theory

- Dispersion, an extension of Darcy's concept of ground-water motion: Skibitzke, H. E. 00133

Philippines*Luzon Island, Poro Point*

- Fresh-water-saline-water relationships: Worts, G. F., Jr. 02007

Phreatophytes*Description*

- Aerial photography: Lohman, S. W. 01145

Ground-water salvage

- New Mexico, Pecos River: Mower, R. W. 01206

Rio Grande, New Mexico

- Plant communities, comparative study: Campbell, C. J. 01753

Survey procedure

- Vegetation management: Horton, J. S. 00921

Transpiration reduction

- Effect of alkenylsuccinic acids: Zelitch, Israel. 00808

Water consumption

- Three observations on streamflow depletion: Meyboom, Peter. 01316

Phreatophytes*Western States*

- Research, 1959-64: Robinson, T. W. 00575

Piedmont*Streams*

- Channel geometry: Kilpatrick, F. A. 00134

Poland*Olsztyn*

- Dew measurements: Hutorowicz, Halina. 00324

Pollution*Abatement*

- Benthic repopulation in Raritan River estuary: Dean, David. 01224

Accidental

- Environmental study of radium release: Pendleton, R. C. 00445
- Phenol compounds: Krombach, H. 02212

Agricultural

- Chemicals, retention and movement in soils: Kunze, G. W. 01263
- Ground-water contamination from cotton processing: Fink, B. E. 00835

Aquatic organisms

- Algae, blue-green: Gauvin, A. R. 01873

Bacterial

- Use of enterococcus group, indicator of fecal pollutions: Hanes, N. B. 00066
- Waterborne-disease outbreaks: Weibel, S. R. 01480

Biological

- Algae, effect of dilution media on BOD: Allen, M. M. 00448
- Effect of algae on BOD measurements: Fitzgerald, G. P. 00455
- Nematode population measurement: Chaudhuri, N. 00055
- Toxic algae: Gorham, P. R. 01670

Biologically-resistant pollutants

- Removal by adsorption: Morris, J. C. 00696

California

- Alameda Creek watershed above Niles: U.S. Geological Survey. 00248

Chemical

- Status and projection: Anderson, J. B. 00488

Coastal

- Foraminifera as indicators: Bandy, O. L. 01819
- Foraminifera as indicators: Bandy, O. L. 01894

- Hawaii, Kailua Bay: Belt, R. M. 01410
- Hawaii, Pearl Harbor: Smith, R. L., Jr. 01821
- Oil and grease: Ludwig, H. F. 01418

Conference proceedings

- Advances in Water Pollution Research*, volume 1—rivers: Southgate, B. A. 01025
- Advances in Water Pollution Research*, volume 2—waste disposal: Eckenfelder, W. W. 01024
- Advances in Water Pollution Research*, volume 3—coastal waters: Pearson, E. A. 02097

Control

- Bacteria as indicators of fecal pollution: Hanes, N. B. 00066

Pollution

Control

- California, state activities: California State Assembly. 02132
- Congressional hearings: U.S. Congress, House. 01583
- Data storage and retrieval: Green, R. S. 01697
- Detergents, development of LAS: Swisher, R. D. 01086
- Detergents, water treatment: Justice, D. 01085
- Federal activities, Southeast project: Thoman, J. R. 00429
- Federal participation: Atkins, C. H. 01850
- Industrial effluent monitors: Davis, R. C. 01404
- Potomac River basin: Davis, R. K. 01432
- Regional management, economics: Kneese, A. V. 01782
- Role of State government: Pickard, R. C. 01953
- State regulation of water quality: Herzik, G. R., Jr. 00491
- Waste disposal site evaluation: LeGrand, H. E. 01711
- Water Pollution Control Act Amendments: U.S. Congress, House. 01806
- Water Pollution Control Act Amendments: U.S. Congress, House. 01187
- Wisconsin: Voigt, L. P. 00467

Detergents

- ABS, adsorption on clay minerals: Wayman, C. H. 02256
- Biological aspects, Saskatchewan: Wade, D. E. 01074
- Comments on the Federal Water Pollution Control Act: Water Well Journal. 03024
- Fate in ground water: McGauhey, P. H. 00433
- Field study, LAS biodegradation: Hanna, G. P. 01955
- Ground water, Long Island, New York: Perlmutter, N. M. 00163
- Movement through aquifer: Suess, M. J. 00056

Determination

- Aerial water quality reconnaissance system: Strandberg, C. H. 01146
- Biological indicators: Gaufin, A. R. 00487
- Biological measurements: Beak, T. W. 01133
- Dissolved oxygen analysis, field survey procedures: Porges, Ralph. 00451
- Dissolved oxygen, field analysis kit: Scott, R. H. 00439
- Ecological methods: Jackson, D. F. 01230
- Indicators, Mayfly distribution: Fremling, C. R. 01637
- Survival of indicator bacteria: Scarce, L. E. 00999
- U.S. Public Health Service surveillance system data (1963 ed.), 11 v.: U.S. Public Health Service. 01420

Estuaries

- Algae's effect on oxygen balance: Hull, C. H. J. 02172

Pollution

Estuaries

- Dispersion, analog computation, Delaware estuary: O'Connor, D. J. 01154
- Effects of water resources development: Diener, R. A. 00486
- Indicated by yeast ecology: Taysi, I. 00365
- Mixing processes in tidal estuary: Bowden, K. F. 00698
- Nitrogen transformations: Wilkinson, L. 00699
- Study for future tidal estuary: Rambow, C. A. 01343
- Study of mixing processes: Pyatt, E. E. 01381

Fish kills

- Guidelines for investigation: Stein, J. E. 02017

General discussion

- Action program for community organizations: U.S. Public Health Service. 00423
- Western Resources Papers, 1963: McNickle, R. K. 01787

Geological aspects

- Brief discussion: Rainwater, Frank. 00211

Ground water

- ABS adsorption on soils: Suess, M. J. 00453
- ABS adsorption on soils: Suess, M. J. 00039
- ABS, retardation in aquifers: Suess, M. J. 00056
- Management aspect: LeGrand, H. E. 01345
- Movement of fluid waste: Brown, R. H. 02170
- Nassau County, cadmium and chromium: Lieber, Maxim. 01803
- Oil-field brines: Morris, J. M., Jr. 00396
- Quality problems with well water: Larson, T. E. 01474
- Sanitary land fills: Weaver, L. 02167
- Well placement near horizontal lens: Lehr, J. H. 00436

Industrial

- Pulp and paper industry: Bendetsen, K. R. 01607
- Pulp and papermill wastes effects on fish: Grande, Magne. 03021
- Recent developments in treatment: Liebmann, H. 00472
- Standards, yours or mine: Gurnham, C. F. 01606

Metals

- Toxicity measurement, suggested method: Lamb, R. 02213

Mine drainage

- Influence on Beaver Creek basin, Kentucky: Collier, C. R. 00501
- Pennsylvania, West Branch Susquehanna River basin: McCarren, E. F. 00566

Mississippi River

- General discussion: Terral, Rufus. 02135
- Mayfly distribution as indicator: Fremling, C. R. 01637

Natural

- Color in water, chemistry: Christman, R. F. 00637

Odor

- Research: Hoak, R. D. 01736

Pollution*Oil-field brine*

Walnut River, Kansas: Leonard, R. B. 01332

Oregon

Water quality control: Everts, C. M. 01996

Organic

Distinguished by carbon-14 extraction:

Rosen, A. A. 00811

Effects on ecology: Hawkes, H. A. 00693

Evaluation techniques: Ryckman, D. W. 01673

Identification, infrared spectroscopy: Voegel, F. A. 01671

Phenol compounds, small watercourse:

Krombach, H. 02212

Recovery and identification: Hoak, R. D. 01736

Removal by adsorption: Weber, W. J., Jr. 01477

Oxygen balance

Nitrification significance in stream analysis:

Courchain, R. J. 01152

Pacific Northwest

General discussion: Hunt, J. C. 01462

Pesticides

Agricultural river basin, Alabama: Nicholson, H. P. 01219

Analysis in Missouri River: Goodenkauf, Arley. 00072

Bibliography: Dugan, P. R. 00625

Chlorinated hydrocarbons, degradation in river water: Buescher, C. A. 00446

DDT persistence: Welch, E. B. 00452

Detection by biochemical assay: Weiss, C. M. 00437

Organic: Faust, S. D. 00060

President's Advisory Committee report:

Clement, R. C. 01245

Recycling of irrigation waters: Orlob, G. T. 00756

Research and education needs: Brady, N. C. 00489

Toxicological effects, fish environment:

Walker, C. R. 01401

Toxicological effects, fish environment:

Walker, C. R. 01935

Watershed sanitation: Taylor, F. B. 00237

Petrochemicals

Toxicity effects on aquatic environment:

Malina, J. F., Jr. 01824

Petroleum products

Kerosene, removal from water supply: Weir, Paul. 01704

Popular literature: Cubbedge, R. E. 02077*Problems*

Nontechnical discussion: Bredemus, R. N. 00466

Radioactive

Environmental study, Jordan River Delta:

Pendleton, R. C. 00445

Marine environment: Mauchline, J. 01937

Waste water, radioactive content measurement: Haughey, F. J. 01342

Pollution*Reservoirs*

Oxygen regime, self-purification: Drachev, S. M. 00686

Recreational use: Ongerth, F. J. 01472

Sea

Radioisotopes, radioactive waste disposal:

Mauchline, J. 01937

Sewage

Biological removal of nutrients: Fitzgerald, G. P. 00681

Effects on ground water, Livermore Valley, California: Hansen, W. R. 01550

Lagoons, effects on ground and surface water: Svore, J. H. 00025

Nitrogen removal: Wuhrmann, K. 00680

Nutrients removal by electrolytic treatment: Foyn, Ernst. 00679

Stream self-purification

Analog computer, oxygen sag calculations: Rennerfelt, J. G. W. 00688

Biological extraction and accumulation: Velz, C. J. 00685

Effect of temperature, oxygen, nitrogen:

Leclerc, E. 00687

Gas absorption by turbulent liquids: Dobbins, W. E. 00694

Microbial decomposition: Jannasch, H. W. 01309

Pesticides degradation: Buehner, C. A. 00446

Plants and animals, effects on DO: Edwards, R. W. 02096

Reaeration rates, prediction: Churchill, M. A. 00689

River receiving capacity, determination:

Schroepfer, G. J. 00690

Role of aquatic actinomycetes: Silvey, J. K. G. 03013

Surface water

BOD and oxygen relationships in natural streams: Dobbins, W. E. 00048

Quantitative biological measurement: King, D. L. 00443

Sediment: Swenson, H. A. 01650

Stream pollution equations nomograph for solution: Harley, N. H. 01934

Strip-mining legislation: Meiners, R. G. 01319

Urban storm runoff: Weibel, S. R. 00444

Trace elements

Cadium, chromium, Nassau County, New York: Lieber, Maxim. 01803

Tracing

Use of rhodamine B dye: Buchanan, T. J. 01292

Waste loads, streams: Muller-Neuhaus, G. 01329

Viruses

Source, survival, and removability: Clarke, N. A. 00697

Water quality management

California sewerage enabling acts: California Water Quality Control. 02185

Electronic monitor system: Cleary, E. J. 01751

Pollution*Water quality standards*

Chromate toxicity, discussion: Ingols, R. S. 01956

Industry responsibility: Bueltman, C. G. 00492

Porous media*Capillary hysteresis*

Similarity hypothesis: Philip, J. R. 00710

Diatomite filtration equation

Modified form: Baumann, E. R. 00061

Diffusion

Entrapped air: Bloomsburg, G. L. 02102

Oxygen, laboratory determination: Willey, C. R. 01166

Stable and unstable flow: Biggar, J. W. 01157

Fluid flow

Air: Yen, Y. C. 00727

Darcy's concept, an extension, ground-water motion: Skibitzke, H. E. 00133

Dispersion: Ogata, Akio. 01969

Dispersion and adsorption: Ogata, Akio. 01267

General equations of hydrodynamic

dispersion: Bachmat, Y. 00716

Hodograph method: Bear, Jacob. 00711

Review of theories, multiphase fluids:

Stallman, R. W. 00132

Saturated and unsaturated flow in an unstable medium: Zaslavsky, Dan. 00299

Seepage; stratified, saturated media:

Swartzendruber, Dale. 01614

Spacing of drains by an approximate method:

Dagan, Gedeon. 01860

Statistical hydrodynamics: Scheidegger, A. E. 01776

Two-phase, air-water: Brooks, R. H. 00209

Unsaturated material, anisotropic, theoretical aspects: Liakopoulos, A. C. 02162

Unsteady, unsaturated flow: Wang, F. C. 00717

Velocity and distribution: Timur, A. 00815

Hydraulics

Relation to drainage design: Brooks, R. H. 01278

Unsaturated transient flow: Ohmsted, W. D. 00703

Liquid absorption

Quantitative determination: Fels, I. G. 00387

Porosity

Determination: Hubbard, R. M. 00737

Potomac River*Development*

Impact on park and natural values: Carver, J. A., Jr. 00268

Potomac River basin*Pennsylvania portion*

Water use and quality: Mason, K. M. 02060

Pollution control

Activities of Interstate Commission on the Potomac River Basin, 1964: Interstate Comm. Potomac River Basin. 01578

River-basin planning and development

Conflict of values: Davies, W. E. 01065

Potomac River basin*U.S. Army Corps of Engineers report*

Record of public hearing, Sept. 4, 1963, Washington, D. C.: U.S. Army Corps of Engineers. 01530

Water quality network

Data, water year 1964: Interstate Comm. Potomac River Basin. 01421

Water supply

Economics of quality control: Davis, R. K. 01432

Precipitation*Arizona*

Data: Green, C. R. 00662

Chemical composition

Ammonia and nitrate, concentration relation to environment: Yaalon, D. H. 01960

California, Menlo Park, 1957-59: Whitehead, H. C. 00720

General discussion: Gambell, A. W. 01296

Radioactive rainout distribution, Illinois, 1963: Huff, F. A. 01921

Radiochemical fallout of a Pacific storm:

Kruger, Paul. 00705

Salt concentrations, Rio Grande Valley:

Fanning, C. D. 00638

Snow, Sierra Nevada and other areas: Feth, J. H. 00518

Stable isotopes: Dansgaard, W. 01961

Washout of tritiated water vapor by rain: Chamberlain, A. C. 01556

Cloud seeding

Effects of dry ice: Takeda, K. 01561

Review of current status: Schleusener, R. A. 00031

Dendrochronology

Results of study: Schneider, W. J. 01973

Dendroclimatology

Diurnal and seasonal variation in stem radii: Kozlowski, T. T. 01881

Design storms

Spillway design—large structures, adequate data: Snyder, F. F. 00771

Spillway design—large structures, limited data: Koelzer, V. A. 00769

Spillway design—small structures, limited data: Ogrosky, H. O. 00770

Dew

Effect on plants in Israel: Duvdevani, S. 00291

Measurement errors from Co-hoction

lysimeter data: Harrold, L. L. 00327

Measurements, Olsztyn, Poland: Hutorowicz, Halina. 00324

Distribution

Alabama, by months: Long, A. R. 00250

Comparison of Lake Michigan with Chicago: Williams, G. C. 01238

Design of catchment size for stockwater systems: Verner, J. E. 00750

General discussion: Gilman, C. S. 01513

Great Lakes area: Kresge, R. F. 00323

Illinois: Huff, F. A. 01562

Summer storms, Lake States: Wheaton, R. Z. 00108

Precipitation*Distribution*

Wind effects near small hills: James, J. W. 00712

Effective rainfall

Irrigation water requirements: Hershfield, D. M. 00041

Erosion

Waterdrop impact forces: Palmer, R. S. 00321

Frequency

Small daily rainfall amounts in Eastern U.S.: Hershfield, D. M. 01865

Interception

Direct from cloud water by vegetation: Ekern, P. C. 02193

Factors influencing amount: Lull, H. W. 02061

Measurement

Equipment and accuracy: Gilman, C. S. 01513

Evaluation: Wilson, J. W. 01560

Lake as a rain gage: Anderson, D. V. 02088

Radar: Flanders, A. F. 00325

Ratio of true to fixed-interval maximum rainfall: Weiss, L. L. 00032

Snow survey and climatological data, relationships: McKay, G. A. 00958

Telemetering system: Chadwick, D. G. 00897

Weekly, with modified rain gauge: Smith, A. D. 00018

Rainfall-runoff relationships

California, Kings River: Barnes, S. M. 01272

Catchment storage model for runoff routing: Laurenson, E. M. 00352

Digital computer, Stanford Watershed Model (Mark II): Crawford, N. H. 01448

Flow predictions: Huff, F. A. 00700

Semiarid rangelands: Osborn, H. B. 01882

Snowmelt, flood forecasting: Cuthbertson, W. B. 00880

Snowmelt-streamflow studies: Davar, K. S. 00881

Runoff

Impervious surface: Yu, Y. S. 00479

Snow

Bibliography: U.S. Library of Congress. 02024

Comprehensive discussion: Mellor, Malcolm. 01985

Density: Power, B. A. 00879

General discussion: Mellor, Malcolm. 02220

Maximum 24-hour snowfall, estimation:

Hershfield, D. M. 01723

Radar observations, lake effect: Lansing, Livingston. 00962

Water equivalence: Power, B. A. 01563

Statistical analysis

General discussion of methods: Gilman, C. S. 01513

Quantity variability, periods equal to or

exceeding one month: Szgyarto, Z. 02246

Seasonal forecasting: Willett, H. C. 00235

Variability of surface distribution: Petrlik, Jaroslav. 00322

Precipitation*Storm events*

Movements, convective storms: Newton, C. W. 01919

Storm period

Effects on sediment transport: Guy, H. P. 00136

Variability

Application of severe rainfall data in engineering design: Ackermann, W. C. 00101

Fluctuations of wet and dry years:

Yevjevich, V. M. 01817

Periods equal to or exceeding one month: Szgyarto, Z. 02246

Surface distribution: Petrlik, Jaroslav. 00322

Weather modification and long-range forecasting: Petterssen, Sverre. 02236

Water budget

Daily balance: Kohler, M. A. 02210

Water vapor-precipitation relations, Canadian prairie: Bruce, J. P. 01710

Puerto Rico*Karst topography*

Zanjon: Monroe, W. H. 02098

Limnology

Water analyses, Luquillo Experimental

Forest: Hart, C. W., Jr. 00803

Rivers

Nickpoints: Jones, C. T. 00198

South Coast Irrigation District

Hydrologic study, Western Division: Munson, W. C. 01696

Surface-water quality

Inventory, unpublished analyses, 1961:

Woodward, T. H. 02260

Toa Alta, Toa Baja, and Dorado

Flood inundation map: Lopez, M. A. 00618

Water resources

Progress report: Bogart, D. B. 01367

Water wells

Compilation of data: Ward, P. E. 01368

Quebec*Lachine-Saint-Jean area*

Ground water: Freeze, R. A. 01490

Springs

Mineral springs: Paquet, R. 01077

Radioactivity*Age determination*

Ground water, Roswell basin: Reeder, H. O. 00161

Ground water, tritium, interpretation of measurements: Nir, A. 02231

River mollusks and soil humus: Broeker, Wallace. 00807

Carbon-14

Determination of organic pollution sources: Rosen, A. A. 00811

Caves

Alabama, Hughes Cave: Reckmeyer, Verne. 00634

Colorado River basin

Waters, sediments, 1950-63: Wruble, D. T. 01933

Radioactivity*Columbia River*

Elemental concentrations, variations: Silker, W. B. 01223

Lower, survey, January 1962–July 1963:

Toombs, G. L. 01929

Radiological conditions, near Hanford, 1963:

Foster, R. F. 02072

Radionuclides, 1961–63: Seymour, A. H. 01945

Columbia River sediments

Summary of studies, Hanford Laboratory, 1963–64: Nelson, J. L. 00411

Unusual radioactive particle in sediment:

Cutshall, Norman. 00627

Fallout

Pacific storm, California: Kruger, Paul. 00705

Florida

Distribution in rocks and water: Osmond, J. K. 02105

Ground water

Contamination by nuclear cratering: Davis, S. N. 01102

Radium–226 and radon–222 distribution:

Tanner, A. B. 00463

Underground nuclear explosions: Stead, F. W. 01691

Lakes

Distribution of natural isotopes of carbon: Deevey, E. S., Jr. 01892

Lead–210

Snow chronology, Antarctica: Crozaz, G. 00719

Measurement

Background radiation measurements: Grune, Werner. 00465

Evaluation of gross beta radiation analysis methods: Setter, L. R. 00059

Water supplies, radon–222, radium–226:

Lucas, H. F., Jr. 00464

Monitoring

Ohio, Great Miami River: Adams, P. C. 01337

Oak Ridge National Laboratory

Annual report, 1964: Oak Ridge National Laboratory. 01952

Progress report, ecological aspects: Auerbach, S. I. 01951

Pollution

Radium, accidental release study: Pendleton, R. C. 00445

Precipitation

Radioactive rainout distribution, Illinois, 1963: Huff, F. A. 01921

Washout of tritiated water vapor:

Chamberlain, A. C. 01556

Radioisotopes

Artificial, natural, in marine environment:

Mauchline, J. 01937

Radionuclide sorption

Clay particles in river water: Garder, Karen. 02195

Sewage

Radioactivity in disposal systems: Folson, T. R. 01725

Radioactivity*Sewage*

Radioactivity measurement method: Haughey, F. J. 01342

Soil–moisture measurement

Gamma attenuation: Reginato, R. J. 01163

Soils

Measurement, gamma–emitting radionuclides: Gustafson, P. F. 02092

Surface water

California, January–June 1953: California

Dept. Public Health. 00385

California, July–December 1963: California Dept. Public Health. 02110

Minnesota, July–December 1963: Minnesota Department of Health. 01928

Monthly data, United States: U.S. Public Health Service. 01932

Strontium–90 trends, United States, 1959–63: Floyd, E. P. 01930

Washington, July 1962–June 1963: Mooney, R. R. 01931

Tracers

Sediment transport studies: Hubbell, D. W. 00766

Soil moisture movement, D₂O–Na₂₄ method: Haskell, C. C. 01164

Tritium, ground–water tracer, Eddy County, New Mexico: Reeder, H. C. 01338

Turbine discharge measurement: Frederick, B. J. 00936

Transport of radionuclides

Clinch River, Tennessee: Parker, F. L. 00432

Dispersion in streams: Glover, R. E. 00135

Environmental behavior, worldwide scale: Straub, C. P. 02245

Ground water, underground explosions:

Stead, F. W. 01691

Underground thermonuclear detonation: Essington, E. H. 00410

Tritium

Age and movement of ground water, Roswell basin: Reeder, H. O. 00161

Ground–water age determination: Nir, A. 02231

Isotopic exchange: Yang, J. Y. 00245

Natural, standardization of measurements: Ostlund, H. G. 01959

Tracer in evapotranspiration study: Lewis, D. C. 01302

U.S. Geol. Survey research: Carlston, C. W. 00809

Use and limitations as a tracer: Carlston, C. W. 02187

Uptake by living organisms

Thornback ray, *Raja Clavata* L.: Mauchline, John. 01218

Waste disposal

Bibliography: Davis, T. F. 00409

Progress report, Oak Ridge National Laboratory: Parker, F. L. 01950

Seepage basins: Reichert, S. O. 01396

Treatment, handling, disposal, low–level wastes: Straub, C. P. 01529

Radioactivity*Water supplies*

Lead-210 and polonium-210: Holtzman, R. B. 01346

Recharge*Areas*

Location by aerial photography: Lohman, S. W. 01145

Ground water

Hidden recharge areas: Feth, J. H. 02155

Rates

Effect of differential cattle stocking rates: Rhoades, E. D. 00751

Streambed

Rates determined by aquifer test: Walton, W. C. 01879

Recharge, artificial*Economics*

Nuclear vs. conventional means: Todd, D. K. 03011

General discussion: Hunziker, L. T. 02069

Ground-water storage

Mixing of waters: Harpaz, Y. 01349

Heat-pump systems

Hydrologic analysis: Fryberger, J. S. 01301

Hydrogeologic investigation

Arkansas, Grand Prairie region: Sniegocki, R. T. 00529

Infiltration

Natural conditions controlling rates: Schiff, Leonard. 01641

Physical and chemical considerations of rates: Schiff, Leonard. 00377

Irrigation effects

Idaho, Snake River basin: Mundorff, M. J. 01283

Limestone sinkholes

New Mexico, Roswell basin: Motts, W. S. 00963

Management

Formation of public districts: Smith, S. C. 01908

Model studies

Filtration coefficient and effective porosity: Knezek, M. 01437

Pits

Shape relative to infiltration rate: Lehr, J. H. 00075

Research

Texas, High Plains Research Foundation: Valliant, James. 01714

Site investigation

Filtration coefficient and effective porosity, integrated field and laboratory work: Knezek, M. 01437

Soil-water movement

Field measurement methods: Bianchi, W. C. 01467

Measurement for facility design: Schiff, Leonard. 01840

Storage available

San Joaquin Valley, California: Davis, G. H. 00531

Texas

Southern High Plains: Cronin, J. G. 02021

Republic of Korea*Hydrology*

General discussion: Doyel, V. W. 01974

Research*Flood forecasting*

Rainfall-runoff models: Kohler, M. A. 01800

Saline water

Ion exchange: Hendricks, S. B. 01465

Water resources

Water resources centers: Agnew, A. F. 01428

Reservoirs*American Falls*

Photogrammetric methods of shoreline plotting: Crandall, D. L. 00053

Currents

Stability of two-layer stratified flow: Kao, T. W. 00004

Density currents

Causes and persistence: El'ner, R. A. 00430
Effect on water quality: Churchill, M. A. 00431

Design

Storage calculation for droughts: Hudson, H. E., Jr. 02148

Streamflow data analyses, Illinois: Stall, J. B. 00494

Design studies

Application of severe rainfall data: Ackermann, W. C. 00101

California, Fish Slough Dam and Reservoir: California Dept. Water Resources. 01829

Downstream effect

Stream reaeration rates: Churchill, M. A. 00689

Water release effect on downstream temperature regimen: De'ay, W. H. 02010

Economics

Construction, nuclear and conventional means: Todd, D. K. 03011

Effect on water quality

Oxygen regime, self-purification: Drachev, S. M. 00686

Energy budget

Water temperature prediction: Delay, W. H. 02010

Evaporation

Cooling ponds, forced evaporation estimation: Harbeck, G. E., Jr. 00044

Evaporation retardation

Research: Meinke, W. W. 00952

Failure

California, Baldwin Hills Reservoir: California Dept. Water Resources. 00800

Kansas

Lyon County State Lake, reflooding, limnology: Prophet, C. W. 02173

Land subsidence

Lake Mead, Nevada: Malmberg, G. T. 00909

Management

Moran's theory of dams, example: Jarvis, C. L. 02206

Probability theory with seasonal input: Lloyd, E. H. 00344

Releases, effect on downstream temperatures: Delay, W. H. 02010

Reservoirs*Management*

Reservoir regulation, textbook discussion:
Rutter, E. J. 01026

Merrimack River basin

Regulation: Childs, E. F. 00234

Multipurpose

Optimum design: Hall, W. A. 00776
Recreation and water supply, public health
aspects: Ongerth, H. J. 01472

Nebraska

Harlan County, sedimentation: U.S. Army
Corps of Engineers. 01722

Recreation

Limnological aspects: Mackenthun, K. M.
00422

Sedimentation

Comparative studies, Illinois: Stall, J. B.
01713
Erosion and water control structures, small:
Land and Water Contracting. 01351
General discussion: Gottschalk, L. C. 01516
Harlan County, Republican River: U.S. Army
Corps of Engineers. 01722
Lake Pillsbury, California: Porterfield,
George. 00532

Sites

Preservation: Olson, G. T., II. 00929

Storage requirements

Long term, estimation: Beard, L. R. 01765
Method of determination: Hardison, C. H.
00142
Textbook discussion: Rutter, E. J. 01026

Water levels

Forecasting methods: Apollov, B. A. 01739
Measurement, seiches and setup, Elephant
Butte Reservoir: Hayes, G. L., Jr. 00153

Water quality

Blue-green algae, taste and odor production:
Gaufin, A. R. 01873
Effect of air bubbling: Koberg, G. E. 00175
Piedmont Plateau: Wilroy, R. D. 01708

Water temperature

Control: Delay, W. H. 02010
North-central Alabama: Peirce, L. B. 01847

Rhode Island*Block Island*

Ground water: Hansen, A. J., Jr. 00935

Narragansett Bay

Biological and chemical features: Frolander,
H. F. 00447

Newport County

Ground-water map, Prudence Island and
Newport quadrangles: Schiner, G. R. 00891
Ground-water map; Tiverton, Sakonnet
Point, Westport quadrangles: Schiner, G.
R. 00892

Rio Grande

Flow data, 1964: Internat. Boundary and Water
Comm. 01907

Rio Grande basin*Hydrologic data*

Records for 1963: Rio Grande Compact
Commission. 01524

River-basin planning and development*Alberta*

Prairie Provinces Water Board: Raby,
Stewart. 00802

California

State financial assistance to local water
development: California State
Assembly. 03017

Climatic considerations

Application of severe rainfall data:
Ackermann, W. C. 00101

Columbia River basin

Columbia basin project: U.S. Bureau of
Reclamation. 01582
Hydrometeorological data network, British
Columbia: Hunter, H. I. 00903
Water management planning: Towne, W. W.
00440

Discussion of methods: Chow, V. T. 02080*Flood-plain management*

Environmental aspects: Goddard, J. E. 01037

General discussion: Dixon, J. W. 02073*Hydroelectric power resources*

United States: U.S. Federal Power
Commission. 00255

International cooperation

Columbia River: Sewell, W. R. D. 00993

International Hydrological Decade: United

Nations. 02037

Lower Mekong River

International cooperation: White, G. F. 01486

Mapping

Requirements and method: Bauer, K. W.
00051

Multiple use

Allocations, resolving conflicts: Hague, A. B.,
Jr. 00652

New York

Drought problem solution: New York
Temporary State Comm. 01373

Oregon, Willamette Basin

Willamette Basin Task Force activities: Lane,
D. J. 00915

Organization and methodology

Case histories, Texas and Southeast river
basins: Pealy, R. H. 01794

Seminar: Kindsvater, C. E. 01100

Pacific Southwest

Water problems: California State Assembly.
02184

Policy

General discussion: Ciriacy-Wantrup, S. V.
01521

Pollution control

Textbook: Kneese, A. V. 01772

Reservoirs

Potential site preservation: Olson, G. T., II.
00929

United States

Economic considerations: Green, W. A. 00648
History, legislation, concept: Weber, E. W.
00646

Role of agriculture: Young, G. E. 00647

Specific project data: U.S. Army Corps of
Engineers. 00256

River-basin planning and development*Upper Colorado River Commission*

Annual report, 1964: Upper Colorado River Commission. 00275

Wabash River basin

Basin approach to regional planning: Boyce, R. R. 01537

Water quality management

Socio-economic aspects: Kneese, A. V. 00438

Wisconsin River

Case history: Sheerar, L. L. 01035

Rivers*Arkansas River*

Channel stabilization, hydraulic aspects: Petersen, M. S. 01036

International

Compacts: White, G. F. 01941

Sediment transport

Minimum total work expended in the system: Langbein, W. B. 00981

Shallow channels

Shear and velocity distribution: Lundgren, H. 00030

Tennessee River

Flood-plain management, environmental aspects: Goddard, J. E. 01037

Navigation improvement, effects on environment: Nichols, R. B. 01034

Wisconsin River

Regulation: Sheerar, L. L. 01035

Rocky Mountains*Northern*

Multiple use impact on silviculture: Wellner, C. A. 00916

Runoff*Annual*

Relation of meteorological factors: Busby, M. W. 00166

Areal variations

Effects of channel loss and ground-water outflow on mean annual runoff: Hely, A. G. 00787

Channel storage

Loessial watersheds: Allis, J. A. 01466

Floodflows

Effect of watershed condition changes: Rallison, R. E. 00917

Forecast

Computer program, use: McCallister, J. P. 01762

Meteorological controls, floods, Fraser River: Bruce, J. P. 00901

Methods: Apollon, B. A. 01739

Methods, using channel reserves and inflow: Sapozhnikov, V. 01761

Parameters: Mitchell, W. B. 00900

Snowmelt, experimental watershed: Martinec, Jaroslav. 01764

Forested watersheds

Clearcutting, effect on overland flow, storm runoff: Reinhart, K. G. 01770

Pre-logging studies, Oregon: Williams, R. C. 01192

Runoff*Hydrograph analysis*

Computer programs for watersheds: Holtan, H. N. 00117

General discussion: Chow, V. T. 01514

Method for direct analysis: Levi, Enzo. 00353

Hydrograph synthesis

Storage-flow hysteresis: Holtan, H. N. 00359

Low flow

Analysis for reservoir design: Stall, J. B. 00494

Analysis, Markov model: Fiering, M. B. 01769

Deep and shallow aquifer sources: Kilpatrick, F. A. 00976

Distribution estimation from precipitation records: Huff, F. A. 02152

Droughts, discussion: Hudson, H. E., Jr. 02148

Effects of temperature and evaporation: Kovacs, Gy. 00968

Forecasting streamflow recession: Rorabaugh, M. I. 01628

Long-term riverflow forecasting: Popov, E. G. 01273

Low flow-precipitation deficiency relationships: Huff, F. A. 00700

Michigan streams: Gannon, J. J. 00992

Michigan streams, defining procedures: Gannon, J. J. 01720

Michigan streams, defining procedures: Gannon, J. J. 01721

New York: O'Connor, D. J. 01818

Pedernales River, Texas: Holland, P. H. 00827

Techniques of separation from channel storage, bank storage, and interflow: Riggs, H. C. 00969

Measurement

Aquatic vegetation effects, stage-discharge relation: Ostrowski, Stefan. 01733

Integration method: van Wijngaarden, H. 01898

Model studies

Digital river basin model: Hannaford, J. F. 00898

Storm runoff estimation: Betson, R. P. 00709

Overland flow

Impervious surface: Yu, Y. S. 00479

Rainfall-runoff relationships

Application of digital computer: Palmer, D. B. 00118

Catchment storage model for runoff routing: Laurensen, E. M. 00352

Effect of urbanization: Jens, S. W. 01517

General discussion: Chow, V. T. 01514

General discussion: Ogrosky, H. O. 02071

Low flow-precipitation drought relation: Huff, F. A. 00700

Low flow-precipitation drought relation: Huff, F. A. 02153

Model study: Rogers, J. S. 01802

Model study: Snyder, W. M. 01760

Monthly runoff determined from monthly rainfall: Gschwendtner, J. v. G. 01289

Precipitation data, use in correlating streamflow records: Martin, R. O. R. 01633

Runoff*Rainfall-runoff relationships*

- Regression models: Riggs, H. C. 00165
- Snowmelt: Cuthbertson, W. B. 00880
- Storm rainfall: Hamon, W. R. 01801
- Tobique basin study: Davar, K. S. 00881

Rangelands

- Effect of storm duration, southwest: Osborn, H. B. 01882
- Effects of grazing intensity: Sharp, A. L. 00645

Reduction

- Soil conservation practices: Stephens, Uel. 01646

Simulation

- Monthly runoff, model description: U.S. Army Corps of Engineers. 03025

Snowmelt

- Computed: Rantz, S. E. 01214
- Forecasts based on areal distribution from satellite photographs: Tarble, R. D. 00326

Stage-discharge relations

- General discussion: Boyer, M. C. 01515

Storm runoff

- Effect on sediment transport: Guy, H. P. 00136

Unit hydrographs

- Analysis for small watersheds, Texas: Meier, W. L., Jr. 00831
- Computation, use of influence functions: Kalinin, G. P. 02207
- Development methods compared: Hanson, T. L. 00120
- Synthetic: Lienhard, J. H. 00731
- Theory of analysis: Chow, V. T. 01514

United States

- Generalized atlas: McGuinness, C. L. 01435

Urban areas

- Factor in stream pollution: Weibel, S. R. 00444

Urbanization effects

- California, Permanente Creek: Harris, E. E. 00522
- Textbook discussion: Jens, S. W. 01517

Variability

- Asynchronism, cyclic recurrence study, U.S.S.R.: Somov, N. V. 01757
- Effects of climate: Browzin, B. S. 01235
- Effects of organic trenching, agricultural areas: Kingsley, Q. S. 00640
- Elbe River at Decin, Czechoslovakia: Urban, Jaroslav. 01634
- Fluctuations of wet and dry years: Yevjevich, V. M. 01817
- General discussion: Chow, V. T. 01514
- Reservoir storage requirements: Hardison, C. H. 00142

Russia*European part*

- Regional regularities of the natural regime of unconfined ground waters: Konoplyantsev, A. A. 00380

Saline water*Chemistry*

- Appalachian connate water: Heck, E. T. 01019
- CaCO₃ dissolution effects on electrolytic conductance: Park, Kilho. 00813
- Carbon dioxide, pH relationship: Wood, K. G. 01308
- Conductivity measurements, portable meters: Labrique, J. P. 01759
- Great Salt Lake: Hahl, D. C. 00845

Concentration

- Mechanism, brines in subsurface formations: Bredehoeft, J. D. 02181
- Mechanism, brines in subsurface formations: Rittenhouse, Gordon. 02241

Conversion

- Demonstration plants, report: MacGowan, C. F. 01705
- General discussion: Johnson Drillers Journal. 00332
- Solar energy, multiple-effect desalinization system: Hodges, C. N. 01917
- Summary, accomplishments, 1954-64: Bregman, J. I. 01602

Estuaries

- Chlorinity determination by refractive index: Williams, H. B. 01569

Geochemistry

- Phillipsite formation: Hay, R. L. 02094

Ground water

- Kaolinite formation waters: Shelton, J. W. 01257

Irrigation

- Effects on soil composition and crop yields: Lunin, J. 01623
- General discussion: Allison, L. E. 03036

Oil-field brine

- Disposal methods: Melton, C. G. 00739

Salinity

- Estimation methods, recent advances: Johnston, R. 01909

Texas

- Brazos River: Baker, R. C. 00547
- Brazos River: Irelan, Burdge. 00853

Use for irrigation

- Principles and experiments: Boyko, Hugo. 00910

Utilization

- Predicting quality when pumping mixed aquifers: Goldberg, V. M. 00370

Variability in shallow ground water

- North Dakota, Grand Forks County: Benz, L. C. 01014

Saline-water intrusion*California*

- Alameda County: Thronson, R. E. 00189

Canals, locks

- Reduction method by air-bubble curtain: Abraham, G. 00033

Coastal aquifers

- Salt dispersion: Cooper, H. H., Jr. 00527

Control

- Continuous drain collector: Bar, Jacob. 00371

Saline-water intrusion*Control*

- Continuous drain collector: Kahana, Y. 01891
- Dammed estuary: Toler, L. G. 00967

Drainage canals

- Control-dam operation: Kohout, F. A. 00805

Estuaries

- Equations of continuity for mixing of sea water and river water: Arthur, R. S. 01258

Florida

- Southeastern: Sherwood, C. B. 01878

Fresh-water lenses

- Double pumping techniques: Underhill, H. W. 01354
- Effects of pumping: Worts, G. F., Jr. 02007

Georgia and South Carolina

- Principal artesian aquifer, Savannah area: McCollum, M. J. 02127
- Savannah area: McCollum, M. J. 00528

Hawaii

- Oahu, southern: Visher, F. N. 02107
- Research: Lau, L. S. 01408

Hydraulics

- Analytic and laboratory investigations: Bear, Jacob. 00371
- Cavernous calcareous rocks: Mandel, S. 01449

Interface

- Mixing-layer flows: Wooding, R. A. 01564
- Near fresh-water canal: Ackermann, N. L. 00793

Interface mixing

- Mechanics: De Wiest, R. J. M. 01864

Interface problems

- Hodograph method: Bear, Jacob. 00711

*Intra-coastal waterway, Florida: Clark, W. E. 02078**Louisiana, Baton Rouge area*

- Preliminary study and proposal: Morgan, C. O. 00496

Mississippi Gulf Coast aquifers

- Status, 1964: Lang, J. W. 03033

Moving interface

- Coastal aquifers, Dupuit assumption: Bear, Jacob. 00781

New York

- Long Island, Huntington-Smithtown area: Lubke, E. R. 01253

Prevention by artificial recharge

- New Mexico, Roswell basin: Motts, W. S. 00963

Saskatchewan*Montreal River basin*

- Water chemistry, plankton: Cushing, C. E., Jr. 01754

Surface-water quality

- Sediment data to Sept. 30, 1961: Canada Water Resources Branch. 00252

Sediment*Clastic*

- Model of packing structure: Smalley, I. J. 00097

Clay

- Base-exchange capacity: Kennedy, V. C. 01268

Sediment*Clays*

- Changes during compaction: Meade, R. H. 00149

Density

- Determination, gamma-ray equipment: McHenry, J. R. 01370
- Determination, gamma-ray equipment: McHenry, J. R. 01387

Estuarine

- Skewness, Pamlico Sound: Duane, D. B. 00478

Fluvial

- Amino acids, abundance, stability in fresh-water sediments: Swain, F. M. 00218
- Occurrence and significance: Swenson, H. A. 00650
- Size distribution, modification: Tanner, W. F. 00223

Lower Chesapeake Bay

- Mass properties: Harrison, V. 00475

Measurement

- Rio Grande conveyance channel: Harris, D. D. 00511

Sand

- Size-frequency distributions: Schubert, Carlos. 00629

Sediment-water interface

- Processes, review: Hayes, F. R. 01938

St. Andrew Bay, Florida

- Prediction of strength: Holmes, C. W. 00222

Suspended

- Water quality relationships: Gunnerson, C. G. 01644

Turbidites

- Ripple structures: Ballance, P. F. 00220

Sedimentation*Alluvial fans*

- History: Bluck, B. J. 00225

Barchan dunes

- Nome River channel, Alaska: McCulloch, D. S. 00226

Channels

- Bed-material discharge, computations: Colby, B. R. 00763
- Braided stream deposits, criteria for recognition: Ore, H. T. 00469
- Subaqueous barchan dunes: McCulloch, D. S. 00226

Coastal

- Clay mineral assemblages: Heron, S. D., Jr. 00823
- Southwestern Florida: Scholl, D. W. 00391
- Southwestern Florida: Scholl, D. W. 00393
- Tidal-flat sediments: Klein, G. D. 01259
- Use of skewness to determine environment: Duane, D. B. 00478

Control

- River regulation: Mamak, Wiktor. 01807

Deposition

- Environments and mechanisms: Sahu, B. K. 00219

Sedimentation*Deposition*

Geometrical properties of sand waves: Yalin, M. S. 00789

Deposition and erosion

Mammoth Cave, Kentucky: Collier, C. R. 00138

Detrital fills

Missouri, Camden County, Carroll Cave: Helwig, James. 02118

Experimental studies

Sedimentation unit: Jopling, A. V. 00224

Sorting beach material: Flemming, N. C. 00221

Velocity distribution: Blair, J. E. 00238

Flood plains

Subsurface exploration and chronology of underfit streams: Dury, G. H. 00504

Flume studies

Experiments, small streams in alluvium: Ackers, Peter. 00772

Fluvial

Sediment size distribution: Tanner, W. F. 00223

Gravel deposits

Origin in intermontane basins, Nevada: Bredehoeft, J. D. 01348

Hydraulics

Accelerated motion of a sphere in a viscous fluid: Brush, L. M., Jr. 00034

Effects of channel width and water temperature: Fahnestock, R. K. 00152

Entraining fine sediments: Vanoni, V. A. 00003

Lake Michigan

Manitou Passage: French, W. E. 01232

Land-use effects

Sediment yield, Blackland watersheds, Texas: Baird, R. W. 01843

Logging effects

Pre-logging studies, Oregon: Williams, R. C. 01192

Measurement techniques

General discussion: Einstein, H. A. 01780

Subsurface, sonar seismic systems: Van Reenan, E. D. 01982

Model studies

Sediment ripples: Kennedy, J. F. 00706

Sorting processes: Jopling, A. V. 00726

Mud cracks

Effect of salinity on formation: Dow, W. G. 01089

Particle-size analysis

Electronic-sensing device: U.S. Inter-Agency Committee. 02122

Friable sands: Bull, W. B. 01675

Ultrasonic dispersion: Moston, R. P. 03019

Reservoirs

Lake Pillsbury, California: Porterfield, George. 00532

Movement and deposition: Stall, J. B. 01713

Sampling techniques

Control structures, sand-bed channels: Stepanich, F. C. 01039

Sedimentation*Sampling techniques*

Lake sediments, coring device: Callender, Edward. 01088

Unconsolidated sands, preservation of structure: McMullen, R. M. 00390

Sediment yield

Long-term estimates in small watersheds:

Piest, R. F. 00320

Sediment-load analysis

Hydromechanical characteristics of bedload movement determined from emitted noises: Bedeus, K. 01282

Sediment-water interface

Review: Hayes, F. R. 01938

Techniques

Correlation of size-distribution data: Sahu, B. K. 00476

Density gradient separation, plankton and clay from river water: Lammers, W. T. 01555

Measurement of suspended material: Baalsrud, K. 01647

Use of CM patterns: Passega, R. 00477

Tidal

Beach profile development: Duncan, J. R., Jr. 00392

Transport

Apparatus and techniques for measuring bedload: Hubbell, D. W. 00553

Athabasca Glacier, Canada, total yield: Mathews, W. H. 01364

Concentration investigations: Guy, H. P. 00137

Development of meanders: Dury, G. H. 00503

Dispersion mechanisms: Glover, R. E. 00135

Effect of storm-period variables: Guy, H. P. 00136

Floodwaters, western New York: Parsons, D. A. 01359

Fluvialite, cyclothems: Allen, J. R. L. 00276

General discussion: Albertson, M. L. 01511

General discussion: Einstein, H. A. 01780

General discussion: Gottschalk, L. C. 01516

Georgia streams: Kennedy, V. C. 00540

Gully development: Tuckfield, C. G. 01837

Hyperconcentrations of suspended sediment: Beverage, J. P. 00794

Mean-velocity relationships in sand-bed streams: Colby, B. R. 00505

Model study, meandering: Einstein, H. A. 00732

Quasi-equilibrium state: Langbein, W. B. 00981

Regime analysis, river slopes: Blench, Thomas. 00760

Relation to flow resistance: Nordin, C. F., Jr. 01204

Rio Puerco River near Bernardo, N. Mex.: Nordin, C. F., Jr. 00779

Sand transport studies with radioactive tracers: Hubbell, D. W. 00766

Scour and fill at contracted sections:

Culbertson, J. K. 01256

Sedimentation*Transport*

- Scour and fill in sand-bed streams: Colby, B. R. 00507
 Solid-liquid flow meter: Ackermann, N. L. 00938
 Temporary storage of fine sediments: Nordin, C. F., Jr. 01964
 Use of fluorescent tracers, Sandy Hook, New Jersey: Yasso, W. E. 01323
 Wyoming, Cheyenne River basin: Rolfe, B. N. 00657

Sierra Nevada*North Yuba River*

- Snowmelt hydrology: Rantz, S. E. 01214

Snow*Accumulation*

- Antarctica: Brecher, H. H. 02180
 Antarctica, Wilkes Island: Black, H. P. 00339
 Areal distribution from satellite photographs: Tarble, R. D. 00326
 Great Lakes region: Thomas, M. K. 01237
 Lead-210 chronology, Antarctica: Crozaz, G. 00719
 Maximum water equivalent, frequency: U.S. Weather Bureau. 02253
 Snow fence, gap width influence: Martinelli, M., Jr. 01658
Bibliography: U.S. Library of Congress. 02024
Eastern Snow Conference, 1964
 Utica, New York: Eastern Snow Conference. 00875

Evaporation

- Energy approach: Bergen, J. D. 00902

Facies

- Antarctica and Greenland: Giovinetto, M. B. 02053

General discussion

- Worldwide regions: Mellor, Malcolm. 02220

Hydrology

- Weather data use: Peck, E. L. 00954

Lake-effect storms

- Lake Ontario, radar observations: Lansing, Livingston. 00962

Measurement

- Methods and techniques: Garstka, W. U. 02196
 Remote sensors: Beaumont, R. T. 00889
 Snow survey and climatological data, relationships: McKay, G. A. 00958
 Telemetering system: Chadwick, D. G. 00897

Montana

- Summary of surveys, 1922-1964: Farnes, P. E. 01783

Properties

- Chemical composition, Western U.S.: Feth, J. H. 00518
 Comprehensive discussion: Mellor, Malcolm. 01985
 Density related to meteorology: Power, B. A. 00879

Runoff

- Computed: Rantz, S. E. 01214
 Factors affecting: Garstka, W. U. 02196

Snow*Runoff*

- Vegetative cover effects on snowmelt: Satterlund, D. R. 00877

Runoff forecasts

- Experimental watershed: Martinec, Jaroslav. 01764
 Model studies: Cuthbertson, W. B. 00880
 Parameters: Mitchell, W. B. 00900
 Tobique basin, New Brunswick, Canada: Davar, K. S. 00881

Sampling

- Design of sampler: Bindon, H. H. 00878

Textbook discussion

- Handbook of Applied Hydrology*: Garstka, W. U. 02196

Textbooks

- Structural glaciology: Shum'skii, P. A. 01778

Western Snow Conference

- Proceedings, 1964 meeting: Western Snow Conference. 00493

Soil moisture*Calculation*

- Modulated soil-moisture budget: Holmes, R. M. 01897

Capillary-moisture relationships

- Proposed test method: Johnson, A. I. 00937

Chemistry

- Solubility and movement of radionuclides: Essington, E. H. 00410
 Source of radiocarbon in solution: Broeker, Wallace. 00807

Diffusion

- Diffusivity measurement, cylindrical pressure cell: Klute, A. 00309
 Vapor diffusion during desorption: Jackson, R. D. 01391
 Vapor diffusion in steady state: Jackson, R. D. 01825
 Vapor movement: Jackson, R. D. 00310
 Water mobility in clays: Kemper, W. D. 01366

Energy status

- Effect of temperature and trapped air: Chahal, R. S. 00293
 Effects of air pressure: Richards, L. A. 00300

Evapotranspiration

- Effect on cropped lands: Bennett, O. L. 01458
 Logging effects: Ziemer, R. F. 00701

Frost formation

- Effects of temperature and water-table depth: Willis, W. O. 01371

Geologic factors

- Textbook discussion: Maxey, G. B. 01509

Hydraulic conductivity

- Anisotropic soils: Bouwer, Herman. 00303
 Effects of entrapped air: Gupta, R. P. 00301
 Measurement, double-tube method: Bouwer, Herman. 00305
 Measurement with four wells: Snell, A. W. 01845
 Related to cation exchange: Martin, J. P. 01158

Measurement

- Calibration of a neutron meter: Burn, K. N. 00015

Soil moisture

Measurement

- Comparison of direct and indirect measurements: Smith, J. L. 00837
- Estimation, layered soils: Miller, D. E. 02113
- Gamma attenuation: Reginato, R. J. 01163
- Laboratory apparatus: Elrick, D. E. 01620
- Neutron logging: van der Burgh, P. 00328
- Neutron meter use: American Society of Civil Engineers. 00784
- Neutron method, installation of access tubes: Kozachyn, John. 00085
- Neutron monitor: Sheen, E. M. 01336
- Neutron-scattering method: Hewlett, J. D. 00279
- Nuclear probe calibration: Troxler, W. F. 00182
- Nuclear probe, recalibration for local soils: Marston, R. B. 01663
- Relationship of velocity of sound to moisture: Brutsaert, Wilfried. 00704
- Switching device for electronic probes: Voisey, P. W. 01830
- Tension-moisture content relationship: Mokady, R. S. 01156

Montana

- Measurements, summary, 1922-1964: Farnes, P. E. 01783

Movement

- Calculated by numerical procedure: Green, R. E. 00302
- Capillary diffusion and self-diffusion: Kunze, R. J. 00283
- Diffusion equation: Taylor, S. A. 01365
- D₂O tracer method: Haskell, C. C. 01164
- Effect of entrapped air, theoretical conditions: Youngs, E. G. 00298
- Effects of soil freezing: Krumbach, A. W., Jr. 01617
- Frozen ground conditions: Willis, W. O. 01371
- Frozen soil: Ferguson, H. 01161
- General discussion: Boersma, Larry. 02178
- Hydraulics for drainage design: Brooks, R. H. 01278
- Hysteresis problems: Philip, J. R. 00710
- Mathematical solutions: Ohmsted, W. D. 00703
- Measurement by an infiltration method: Youngs, E. G. 00288
- Measurement during artificial ground-water recharge: Bianchi, W. C. 01467
- Measurement for recharge facility design: Schiff, Leonard. 01840
- Method for analyzing flow: Wang, F. C. 00717
- Non-uniform soil: Zaslavsky, Dan. 00290
- Rain infiltration: Rubin, J. 01388
- Recording balance for measuring flow: Kunze, R. J. 00304
- Reduction by biological clogging: Avnimelech, Y. 00296
- Reduction in rate by bacterial production of methane: Swartzendruber, Dale. 00292

Soil moisture

Movement

- Saturated and unsaturated soils: Kirkham, Don. 01510
- Seepage; stratified, saturated media: Swartzendruber, Dale. 01614
- Theoretical aspects: Liakopoulos, A. C. 02162
- Theory: Brooks, R. H. 00209
- Vertical drainage problems: Fujioka, Y. 00733

Organic soils

- Data expression: Boelter, G. H. 00311
- Water storage characteristics of peat: Boelter, D. H. 01392

Rangeland

- Effect of differential cattle stocking rates: Rhoades, E. D. 00751

Regime

- Under meadow grass: Shaw, R. H. 00084

Retention

- Availability to plants: Gardner, W. R. 00812
- Estimated from climatological data: Turner, R. 01601
- Estimating moisture retention, layered soils: Miller, D. E. 02113
- Mechanics and measurement: Kirkham, Don. 01510

Soil-water relations

- Moisture profiles: Gupta, P. P. 01165
- Moisture profiles, rains of low intensity: Rubin, J. 01297
- Soil inclusions of different materials: Grover, B. L. 01159
- Thermodynamics of water adsorption: Cary, J. W. 01613
- Vapor pressure, temperature dependence: Kijne, J. W. 01389

Storage capacity

- Determination from precipitation and runoff: Reinhart, K. G. 01155

Subsidence

- Compaction test, moisture-deficient sands: Bull, W. B. 01674

Textbook: Jumikis, A. R. 02056

Unsaturated flow

- Gravity drainage: Liakopoulos, A. C. 00484
- Wetting-drying cycles
- Hysteresis data: Klute, A. 00309

Soils

Aeration

- Oxygen diffusivity, laboratory measurement: Willey, C. R. 01166

Clay minerals

- Sorption of organic acids: Hemphill, L. 01153

Compaction

- Analog model techniques: Domenico, P. A. 03007
- Subsidence due to wetting: Bull, W. B. 01674
- Water content of clays: Meade, R. H. 00149

Erosion

- Conservation techniques, Texas: Stephens, Uel. 01646
- Control practices in Hungary: Erod, B. 00318
- Control with mechanical treatments: Hickey, W. C., Jr. 00317

Soils*Erosion*

- Model study, simulated rainfall: Rogers, J. S. 01802
 Relation to soil properties: Wooldridge, D. D. 01618
 Soil fertility: Peterson, J. B. 00639
 Soil texture related to erodibility: Moldenhauer, W. C. 01168
 Texas, Blackland watersheds: Baird, R. W. 01843

Evaporation

- Effect of fatty alcohols: Aubertin, G. M. 00081

Formation

- Mechanical composition and classification: Kirkham, Don. 01510

Frozen

- Moisture movement: Ferguson, H. 01161

Geochemistry

- Effects of irrigation, Kansas: Jacobs, H. S. 00653

Mechanics

- Cohesion, shearing resistance: Mitchell, J. K. 03006
 Mass movement: Bell, J. R. 01695
 Textbook: Jumikis, A. R. 02066

Organic

- Hydrologic properties: Irwin, R. W. 00196

Particle-size analysis

- Friable sands: Bull, W. B. 01675
 Torsion balance, plummet: Slager, S. 00277
 Ultrasonic dispersion: Moston, R. P. 03019

Pesticides

- Persistence: Mack, G. L. 00474
 Retention and movement: Kunze, G. W. 01263

Physical chemistry

- Textbook: Marshall, C. E. 01958

Physical properties

- Effects on pesticide movement and retention: Kunze, G. W. 01263
 Velocity of sound as function of moisture: Brutsaert, Wilfried. 00704

Physics

- General discussion: Kirkham, Don. 01510

Pollutant adsorption

- ABS: Suess, M. J. 00453
 ABS: Wayman, C. H. 02256
 Surface area measurements and adsorption: Suess, M. J. 00039

Radionuclides

- Measurement: Gustafson, P. F. 02092

Salinity

- Drainage projects, economic evaluation: Menz, J. A. 01626

Sampling techniques

- Methods, undisturbed samples: Clark, K. R. 00184

Strength and bulk density

- Results of laboratory tests: Lotspeich, F. B. 01167

Subsurface exploration

- Aerial photography interpretation: Erb, D. K. 00181

Soils*Subsurface exploration*

- Bibliography: Johnson, A. I. 02068
 Borehole photography: Tran'ina, J. A. 02249
 Geophysical logs, general discussion: Guyod, Hubert. 00183
 Reverse-circulation drilling: Burnham, W. L. 00185
 Symposium: American Soc. Testing and Materials. 00180

Temperature

- Effect of neutron meter access tubes, winter: Dickey, D. D. 00306
 Long-term increase, Urbana, Illinois: Changnon, S. A., Jr. 01139
 Seasonal fluctuation, Albany, New York: Heath, R. C. 01962

Water management

- Bladen series, Southeastern United States: Sparrow, G. N. 01834

Water quality

- Effects of irrigation, Kansas: Jacobs, H. S. 00653

South Atlantic slope basins*James River to Savannah River*

- Flood magnitude and frequency: Speer, P. R. 01207
 Surface-water records, 1950-60: U.S. Geological Survey. 01006

Ogeechee River to Florida

- Surface-water records, 1950-60: U.S. Geological Survey. 00956

South Carolina*Aiken area*

- Domestic well corrosion: Hoxie, E. C. 01657

Coastal Plain

- Clay sedimentation: Heron, S. D., Jr. 00823

Savannah River plant

- Geohydrology, radioactive waste storage: Siple, G. E. 00164
 Hydrology of radioactive waste-disposal sites: Reichert, S. O. 01396

Southwestern

- Saline-water intrusion: McCollum, M. J. 00528
 Saline-water intrusion: McCollum, M. J. 02127

South Dakota*Big Sioux River*

- Channel improvement project: U.S. Army Corps of Engineers. 01171

Black Hills

- Cavern development, model: Howard, A. D. 01640

Codington County

- Ground water, Watertown area: Rukstad, L. R. 00948

Edmunds County

- Ground water, Bowdle area: Rukstad, L. R. 00949

Grand River drainage basin

- Surface-water quality and sedimentation: Hembree, C. H. 00561

South Dakota*Lincoln County*

Ground water, Harrisburg area: McMeen, J. A. 00950

Marshall County

Ground water, Langford area: Wood, Allan. 00946

Skunk Creek-Lake Madison basin

Water resources data: Adolphson, D. G. 00817

Turner County

Ground water, Marion area: McMeen, J. A. 00947

Water resources

Summary: Powell, J. E. 00839

Water resources development: U.S. Bureau of Reclamation. 02039

Southern Rhodesia*Ground-water provinces*

Water supply: Dennis, P. E. 00558

Springs*Discharge*

Forecast, using depletion curves: Mero, F. 01763

Montana

Bluewater Springs, Carbon County:

Zimmerman, E. A. 00852

Great Falls: Hurl, Floyd. 01423

Nevada

Muddy River Springs, discharge: Eakin, T. E. 00172

Saline

Texas, Brazos River, Croton and Salt Croton Creeks: Baker, R. C. 00547

Syria

Ras-el-Ain: Water Well Journal. 01590

Thermal

Carbonate equilibria in alkaline water:

Roberson, C. E. 00096

Meteoric origin, Berkeley Springs, W. Va.: Burford, A. E. 00459

Nevada, map: Horton, R. C. 00485

Seasonal changes in ground water: Marler, G. D. 00099

Utah

Kane County, Navajo Lake region: Wilson, M. T. 01963

Water supply use

California, Argus Mountains: Patchick, P. F. 00978

St. Lawrence River

Surface-water records, 1950-1960: U.S.

Geological Survey. 02042

Temperature structure

Observations: Ince, Simon. 00876

Suhsidence*Artesian pressure decline*

Nevada, Las Vegas Valley: Malmberg, G. T. 00909

California, Fresno County

General discussion: Bull, W. B. 00502

Clay mineralogy

Texas, Houston area: Corliss, J. B. 00157

Compaction

Clayey sediments: Meade, R. H. 00149

Suhsidence*Compaction*

Undisturbed sands, consolidation test: Bull, W. B. 01674

Dewatering

Beattie Mine, Quebec, Canada: Eden, W. J. 00987

Fluid-pressure decline

Coefficient of storage changes: Green, J. H. 01796

Organic material

Relation to water table: Mi-za, C. 00020

Pore-volume change

Design and construction studies, California aqueduct: California Dep^t. Water Resources. 01816

Research

Analog model techniques: Domenico, P. A. 03007

Surface water*Backwater profiles*

Effects of bed slope and roughness:

Vallentine, H. R. 00773

Ecological aspects

Current velocity effect on biocoenoses: Jaag, O. 02204

Effects of forests practices: Chapman, D. W. 02188

Fish survival, intermittent streams: John, K. R. 01703

General discussion: Bardach, John. 00882

Plankton, Sacramento River, California:

Greenberg, A. E. 01702

Salmon spawning, optimum discharge: Rantz, S. E. 01215

Sr⁹⁰ uptake in fresh-water organisms:

Marshall, J. S. 01311

Geologic factors

Textbook discussion: Maxey, G. B. 01509

Saline-water barrier

Pneumatic reduction of salt intrusion through locks: Abraham, G. 00033

Swamps

General discussion: Zumterge, J. H. 02052

Temperature

Effects on channel configuration: Fahnestock, R. K. 00152

St. Lawrence River: Ince, Simon. 00876

Streams in Alabama: Avrett, J. R. 00088

Textbooks

River regulation: Mamak, Viktor. 01807

Thermal properties

Lakes, winter heat balance: Scott, J. T. 00470

Surface-water hydraulics*Artificial controls*

Stream-gaging stations for research on small watersheds: Reinhart, K. G. 00842

Bridge and culvert design

Effects of basin characteristics: Bodhaine, G. L. 01017

Bridge design

Peak discharge determination, arch bridges: Delleur, J. W. 00384

Carnote Canal

Calculation of current: Valembois, J. 02016

Surface-water hydraulics*Channel roughness*

- Large-scale roughness in open-channel flow:
Herbich, J. B. 00796

Culverts

- Tapered inlets for pipe culverts: French, J. L.
00764

Density currents

- Causes and persistence: Elder, R. A. 00430

Diffusion and dispersion

- Numerical solution to a dispersion equation:
Yotsukura, Nobuhiro. 00788

Energy dissipators

- Design of stilling basins: Peterka, A. J. 00414

Flow constrictions

- Arch bridges: Delleur, J. W. 00384

Flow resistance

- Alluvial channels: Nordin, C. F., Jr. 01204
Cylindrical piers in open-channel flow: Hsieh,
Tsuying. 00035
Vegetated channels: Fenzl, R. N. 00105

Flumes

- Calibration of weirs using the rate of pondage
drawdown: De Laine, R. J. 00351

Free overfall

- End depth for circular channels: Rajaratnam,
N. 00761

Hydraulic jump

- Tables for depth before: Middlebrooks, E. J.
01417

Indirect measurements

- Characteristics of embankment-shaped weirs
from model studies: Kindsvater, C. E.
00530

Infiltration

- Terminal profile, flow over porous bed:
Collins, D. L. 00121

Model studies

- Dispersion: Glover, R. E. 00135
Mathematical model, transient riverflow:
Kindingstad, Eivind. 00941
Meandering streams: Einstein, H. A. 00732
Rio Grande conveyance channel: Harris, D.
D. 00511
Sorting processes: Jopling, A. V. 00726
Surface waves, small, measurement technique:
Muenz, K. 00626

Open channels

- Flow over sills: Watters, G. Z. 00775

Open-channel flow

- Resistance, Froude number: Rouse, Hunter.
00481

Research

- Surge tank stability: Escande, L. 00480
United States, 1964: Middleton, H. K. 00843

River channels

- Geometry: Langbein, W. B. 00765

River slope

- Regime analysis: Blench, Thomas. 00760

Sedimentation

- Boundary shear stress and sediment
entraining: Vanoni, V. A. 00003

Spiral flow

- Case history, theory and experiment:
Apmann, R. P. 01904

Surface-water hydraulics*Thin-sheet flow*

- Numerical analysis: Yu, Y. S. 00479

Turbulent flow

- General discussion: Bowden, K. F. 01910
Lateral diffusion, surface of an alluvial
channel, laboratory: Sayre, W. W. 01191
Measurement of turbulence: Cermak, J. E.
00208
Salt-dilution measurement: Ostrem, Gunnar.
00007

Undular jump

- Observations and mathematical analysis:
Jones, L. E. 00767

Unsteady flow

- Hydroelectric analogy, application to
forecasting: Lambor, J. 02233

Unsteady flow, channels

- Bibliography and discussion: Yevdjovich, V.
M. 01380

Surface-water quality*Bear Lake, Utah-Idaho: Workman, G. W. 02050**Biological*

- Blue-green algae, taste and odor production:
Gaufin, A. R. 01873
Clams, ecology and control: Sinclair, R. M.
00071
Microbiotic cycles: Silvey, J. K. G. 01849
Nematodes, ecology and control: Chaudhuri,
N. 00055
Silica removal efficiency of micro-organisms:
Davis, S. N. 01841
Stream self-purification: Velz, C. J. 00685
Biologically-resistant pollutants
Removal research: Morris, J. C. 00696

BOD

- Oxygen relationships in natural streams:
Dobbins, W. E. 00048

Carbon dioxide

- Relation to pH: Wood, K. G. 01308

Color, natural

- Chemistry: Christman, R. F. 00637

Determination

- Plankton-diatom surveys: Williams, L. G.
01732

Dissolved oxygen

- Algae, polluted estuary, oxygenation: Hull, C.
H. J. 02172
Diurnal and random variations: Gunnerson,
C. G. 00678
Effects of natural biota: Edwards, R. W.
02096
Field determination kit: Scott, R. H. 00439
Gas absorption by turbulent liquids: Dobbins,
W. E. 00694
Oxygen sag calculations: Reiernefelt, J. G. W.
00688
Sample handling, analysis accuracy: Porges,
Ralph. 00451
Stream reaeration rates: Churchill, M. A.
00689

Effect of tree leaves

- Cacapon River, West Virginia: Slack, K. V.
00139

Surface-water quality*Estuaries*

Management and forecasting: Thomann, R. V. 01852

Nitrogen transformations: Wilkinson, L. 00699

Photosynthetic oxygenation: Hull, C. H. J. 02172

Ferrous iron

Occurrence and determination: Gjessing, E. T. 01217

Forecasting

Estuaries: Thomann, R. V. 01852

Inorganic quality correlated with streamflow: Ledbetter, J. O. 00046

Geochemistry

Determination of brine contamination: Leonard, R. B. 01332

Effects of elevation and aspect: Wilcox, J. C. 00021

Effects of elevation and variable discharge: Korven, H. C. 00022

Suspended sediment—water quality interrelationships: Gunnerson, C. G. 01644

Grand River basin

North and South Dakota: Hembree, C. H. 00561

Kansas

1962 water year data: Mayes, J. L. 00361
Brines, Little Arkansas River basin: Albert, C. D. 01642

Lakes

Sample collection and analysis, Great Lakes: Libby, R. W. 01231

Logging effects

West Virginia, Fernow Experimental Forest: Hornbeck, J. W. 00641

Odor

Aquatic actinomycetes: Silvey, J. K. G. 03013

Organic compounds

Research: Hoak, R. D. 01736

Pesticides

DDT persistence: Welch, E. B. 00452

Degradation in river water: Buescher, C. A. 00446

General discussion: Thoman, J. R. 00896

Missouri River, analysis: Goodenkauf, Arley. 00072

Petrochemicals

Toxicity effects on aquatic environment: Malina, J. F., Jr. 01824

Pollution

Biological extraction and accumulation: Velz, C. J. 00685

Natural: Bullard, William. 02182

Nutrients: Wilkinson, L. 00699

Quantitative biological determination: King, D. L. 00443

State abatement: Herzik, G. R., Jr. 00491

Waste loads from urban storm runoff: Weibel, S. R. 00444

Pollution control

Data storage and retrieval: Green, R. S. 01697

Surface-water quality*Radioactivity*

United States, monthly data: U.S. Public Health Service. 01932

Remote sensing

Electronic monitor system: Cleary, E. J. 01751

Reservoirs

Aging of water, Piedmont Plateau: Wilroy, R. D. 01708

Effect of density currents: Churchill, M. A. 00431

Oxygen regime, self-purification: Drachev, S. M. 00686

Saline water

Related to geology and oil-field brine: Leonard, R. B. 01275

Salinity

Effects on attached macro-organisms, estuaries: Corey, R. L. 00143

Sediment

Electronic-sensing device: U.S. Inter-Agency Committee. 02122

Snake River basin

General discussion: Laird, L. B. 00499

Stream self-purification

Effect of temperature, oxygen, nitrogen:

Leclerc, E. 00687

Flowing water, effects on pollution:

Southgate, B. A. 01025

Mechanism of gas absorption: Dobbins, W. E. 00694

Oxygen sag calculations: Rennerfelt, J. G. W. 00688

Phenol degradation: Kromt ach, H. 02212

Reaeration rates, prediction: Churchill, M. A. 00689

Strontium-90

United States, trends, 1959-63: Floyd, E. P. 01930

Temperature

Effect of reservoirs: Moore, A. M. 00174

Effects on attached macro-organisms, estuaries: Corey, R. L. 00143

Ice formation: Devik, Olaf. 00482

Reservoir releases, effect on downstream regimen: Delay, W. H. 02110

Textbook discussion

Handbook of Applied Hydrology: Powell, S. T. 02055

United States

Inventory, published and unpublished analyses, 1961: Woodward, T. H. 02260

Runoff and dissolved solids relationships:

Langbein, W. B. 00167

Urbanization effects

Waste loads from urban storm runoff: Weibel, S. R. 00444

Viruses

Occurrence in water: Clarke, N. A. 00697

Walnut River

Relation to Whitewater River, 1963: Leonard, R. B. 00360

Waste disposal

Calculating waste loads: Muller-Neuhaus, G. 01329

Surface-water quality*Waste disposal*

Limnology, oil refinery holding ponds:

Copeland, B. J. 01378

Water quality standards

Industry responsibility: Bueltman, C. G.
00492

Zinc

Rivers, Chesapeake Bay region: O'Connor, J.
T. 02234

Surface-water techniques*Computer operations*

Generating and routing watershed runoff:

Holtan, H. N. 00117

Runoff prediction from rainfall data: Palmer,
D. B. 00118

Data analysis

Hydrographs: Levi, Enzo. 00353

Unit hydrograph methods compared: Hanson,
T. L. 00120

Depth determination

Aerial photos: Meijer, W. O. J. G. 00925

Airphoto mapping: van Wijk, M. C. 02254

Discharge measurements

Weir, rectangular with end contractions:

Caplan, F. 01957

Flood-height estimation

New Jersey: Thomas, D. M. 00144

Flow measurement

Integration method: van Wijngaarden, H.
01898

Flow predictions

Illinois, low flows: Huff, F. A. 00700

Low flows, Rappahannock River basin:

Riggs, H. C. 00155

Maximum probable flood: Duncan, W. W.
00953

Model studies: Cuthbertson, W. B. 00880

Ice formation

Open waters: Devik, Olaf. 00482

Prediction curves: Bilello, M. A. 02175

Prediction method: Bilello, M. A. 02176

Model studies

Digital river basin model: Hannaford, J. F.
00898

Discharge characteristics of embankment-
shaped weirs: Kindsvater, C. E. 00530

Rating curves

Submerged section controls: Eisenlohr, W. S.
00854

Remote sensing

Lake temperatures measured from U-2
aircraft: Konoski, C. F. 01030

Reservoir design

Low flows, Illinois: Stall, J. B. 00494

Runoff

Storage-flow hysteresis: Holtan, H. N. 00359

Runoff estimation

Regression models: Riggs, H. C. 00165

Runoff predictions

Numerical procedures, impervious surface:
Yu, Y. S. 00479

Runoff simulation

Monthly runoff, model description: U.S.
Army Corps of Engineers. 03025

Surface-water techniques*Sampling*

Stream limnology: Tindall, D. R. 01216

Shoreline plotting

Photogrammetric methods: Crandall, D. L.
00053

Small watersheds

Unit hydrograph analysis: Meier, W. L., Jr.
00831

Snow surveys

Sampler design: Bindon, H. F. 00878

Streamflow correlation

Precipitation data, use: Martin, R. O. R.
01633

Streamflow measurement

Calibration of weirs: De Leine, R. J. 00351

Control structures, sand-bed channels:

Stepanich, F. C. 01039

Electrical conductivity, salt-dilution
measurement: Ostrem, Gunnar.
00007

General discussion: Boyer, M. C. 01515

Snowmelt runoff: Rantz, S. E. 01214

Solid-liquid flow meter: Ackermann, N. L.
00938

Stage-fall discharge equations, Great Lakes
channels: Quinn, F. H. 01374

Supercritical measuring flume: Gwinn, W. R.
00111

Suspension wire method: Sharp, B. B. 00758

Surface velocity

Photogrammetric measurement: Waugh, J. E.
00052

Temperature

Correlation and analysis of data: Moore, A.
M. 00174

Tidal effects

Photogrammetric measurement of tidal
currents: Waugh, J. E. 00052

Time-of-travel studies

Use of rhodamine B dye: Buchanan, T. J.
01292

Tracers

Fluorescent: Wright, R. R. 00076

Unit hydrograph

Nonlinear approach: Singh, I. P. 00940

Spillway design—large structures, adequate
data: Snyder, F. F. 00771

Spillway design—large structures, limited
data: Koelzer, V. A. 00769

Spillway design—small structures, limited
data: Ogrosky, H. O. 00770

Syria*Damascus Basin*

Ground water: Wolfart, Reinhard. 01888

Ground water

Karst areas: Burdon, D. J. 01352

Water resources

General discussion: Water Well Journal.
01590

Temperature*Surface water*

Effect on stream self-purification: Leclerc, E.
00687

Tennessee*Clinch River*

Contaminant movement: Parker, F. L. 00432

Floods

January–February 1957: U.S. Geological Survey. 01294

Ground–water levels

Effects of earthquake: Wilson, J. M. 00400

Highland Rim, western

Ground water: Marcher, M. V. 00559

Jefferson City mine

Flooding and recovery: Miller, H. W. 00621

Lewis County

Ground water for home supplies: Bingham, R. H. 01385

Madison County

Ground–water summary: Nyman, D. J. 01386

Memphis area

Hydrology of aquifer systems: Criner, J. H. 00857

Oak Ridge National Laboratory

Annual report, 1964: Oak Ridge National Laboratory. 01952

Progress report, radioactive waste disposal: Parker, F. L. 01950

Surface–water quality

Reservoir effect on dissolved oxygen: Churchill, M. A. 00689

Water resources

Corps of Engineers activities: Newman, J. B. 00428

State role in development: Clement, F. G. 00427

Tennessee River basin

Flood magnitude and frequency: Speer, P. R. 02029

Surface water

Daily discharges, TVA stream gages:

Tennessee Valley Authority. 01745

Records, compilation, 1950–60: U.S.

Geological Survey. 02041

Tennessee Valley*TVA reservoir system*

Density currents, causes: Elder, R. A. 00430

Density currents, effect on water quality:

Churchill, M. A. 00431

Tennessee Valley Authority*Water management*

Development program, tributary area: Wells, D. T. 02131

Texas*Bibliographies*

Ground–water reports: Baker, R. C. 00833

Brazos River

Chemical quality: Irelan, Burdge. 00853

Natural sources of salinity, Croton and Salt

Croton Creek basins: Baker, R. C. 00547

Burnet County

Rock fractures, airphoto mapping: Boyer, R. E. 01147

Cameron County

Water–supply limit on irrigation from Rio Grande: Vandertulip, J. J. 00830

Carson City

Ground water: McAdoo, G. D. 00402

Texas*Collin County*

Hydrologic studies of Horey Creek watershed: Gilbert, C. F. 01004

Culberson County

Ground–water data, Del' City area: Dillard, J. W. 01746

Dams and reservoirs

History and description: Dowell, C. L. 00636

Dimmitt County

Ground water: Turner, S. F. 00821

Edwards Water District

Ground–water discharge, Edwards limestone: Garza, Sergio. 01335

Ground–water quality, 1963: Garza, Sergio. 03003

Precipitation, aquifer head, recharge, data, 1963: Garza, Sergio. 03005

State water plan needed: Weinert, M. D. 00819

Estuaries

Effects of water resources development: Diener, R. A. 00486

Evaporation retardation research

Small reservoirs: Meinke, W. W. 00952

Garza County

Ground–water contamination: Burnitt, S. C. 00407

Gray County

Ground water: McAdoo, G. D. 00402

Grayson County

Hydrologic studies of Horey Creek watershed: Gilbert, C. F. 01004

Guadalupe River basin

Ground water: Alexander, W. H., Jr. 00828

Hardin County

Ground water: Baker, E. W., Jr. 00826

Harris County

Land subsidence, Houston area: Corliss, J. B. 00157

Hidalgo County

Water–supply limit on irrigation from Rio Grande: Vandertulip, J. J. 00830

High Plains

Alaskan earthquake damages wells: Miller, W. D. 00095

Artificial recharge, Ogallala formation:

Valliant, James. 01714

Ground water, Southern High Plains: Cronin, J. G. 02021

Hubbard Creek watershed

Surface–water quality, progress report, 1963: Hembree, C. H. 00829

Hudspeth County

Ground–water data, Del' City area: Dillard, J. W. 01746

Irrigation water requirements

Planning system: Thompson, C. B. 00043

Nueces River basin

Ground water: Alexander, W. H., Jr. 00828

Oil-field brines

Chemical analysis, oil-field brines: Hawkins, M. E. 01947

Pedernales River

Base–flow studies: Hollan, P. H. 00827

Texas*Pollution*

Control and enforcement: Herzik, G. R., Jr. 00491

Reservoirs

Conservation: McDaniels, L. L. 00404

Rio Grande

Sedimentation: Nordin, C. F., Jr. 01964

Variable channel configurations: Fahnestock, R. K. 00152

Rio Grande Valley

Ground water: Baker, R. C. 00534

Salt concentration in rainfall and shallow ground water: Fanning, C. D. 00638

River-basin planning

Evaluation, compared with Southeast river basins study: Pealy, R. H. 01794

Sabine River basin

Surface-water quality: Hughes, L. S. 00825

San Antonio River basin

Ground water: Alexander, W. H., Jr. 00828

Small watersheds

Unit hydrograph analysis: Meier, W. L., Jr. 00831

Starr County

Water-supply limit on irrigation from Rio Grande: Vandertulip, J. J. 00830

Statewide

Dams and reservoirs, history and descriptions: Dowell, C. L. 00636

Stephens County

Ground water: Bayha, D. C. 00406

Surface-water quality

Sediment load, Oct. 1959-Sept. 1961: Adey, E. A. 00405

Terry County

Ground-water contamination, cotton processing: Fink, B. E. 00835

Texas Water Commission

Publication list, 1964: Texas Water Commission. 00834

Rules, regulations, and modes of procedure: Texas Water Commission. 00401

Trinity River

Runoff forecasting computer program: McCallister, J. P. 01762

Uvalde County

Ground water: Welder, F. A. 00521

Water law

Rules, regulations, and modes of procedure: Texas Water Commission. 00401

Water resources

History of development: Breeding, S. D. 00403

History of development: McDaniels, L. L. 00404

Report of Texas Water Commission, 1964: Texas Water Commission. 01023

Willacy County

Water-supply limit on irrigation from Rio Grande: Vandertulip, J. J. 00830

Texas*Winkler County*

Ground water, El Capitan reef area: Brackbill, R. M. 00232

Winter Garden District

Ground water: Turner, S. F. 00821

Young County

Ground water: Morris, D. E. 00832

Zavala County

Ground water: Turner, S. F. 00821

Tracers*Carbon-14*

Determination of organic pollution sources: Rosen, A. A. 00811

Chemical and radioactive

Ground-water velocity, basalt aquifers: Jones, P. H. 01833

Dispersion and adsorption aspects

Theory: Ogata, Akio. 01267

Fluorescent

Application: Wright, R. R. 00076

Determining foreshore sediment transport, New Jersey: Yasso, W. E. 01323

Underground flow, Utah, Kane County: Wilson, M. T. 01963

Use of rhodamine B dye in time-of-travel studies: Buchanan, T. J. 01292

Ground water

Radionuclides from underground explosion: Knox, J. B. 03012

Tritium, Lake McMillan to Major Johnson Springs, New Mexico: Reeder, H. O. 01338

Radioactive

D₂O-Na₂₄ method, soil moisture movement: Haskell, C. C. 01164

Sediment transport studies: Hubbell, D. W. 00766

Turbine discharge measurement: Frederick, B. J. 00936

Water intake of soils: Meeh, B. D. 00307

Well logging: Walker, Terry. 00743

Rhodamine B

Experiments in Clinch River, Tennessee: Parker, F. L. 00432

Waste mixing in rivers: Kis'el, C. C. 01790

Surface water

Dispersion: Glover, R. E. 00135

Tritium

Dating ground water: Nir, A. 02231

Ground-water age and movement, Roswell basin: Reeder, H. O. 00161

Hydrologic cycle: Carlston, C. W. 00809

Hydrologic migration of radioactive waste: Reichert, S. O. 01396

Laboratory aspects: Reeder, H. O. 01338

Transpiration: Lewis, D. C. 01302

Use and limitations: Carlston, C. W. 02187

Zinc 65

Columbia River water into Pacific: Osterberg, Charles. 01350

Transpiration*Measurement*

Simultaneous, continuous by gas-stream analysis: Koller, D. 01070

Transpiration*Oak trees*

Depletion of ground water in fractured rock:
Lewis, D. C. 01302

Reduction

Induced stomatal closure: Zelitch, Israel.
00808

Suppression

Effect of fatty alcohols: Aubertin, G. M.
00081

Effect of sodium dimethyldithiocarbamate:
Thorn, G. D. 02248

Textbook discussion

Handbook of Applied Hydrology: Veihmeyer,
F. J. 02049

Tunisia*Sebkra Sedjoui*

Water and salt balance: Wedman, E. J. 00368

Turkey*Izmir area*

Ground water: Bierschenk, W. H. 02156

United States*Annual runoff*

Generalized atlas: McGuinness, C. L. 01435

Boundary Waters Treaty

United States and Canada, prairie region:
Thompson, M. W. 02145

Civil works activities

Annual report: U.S. Army Corps of
Engineers. 00256

Coastal Plain

Hydrogeologic framework: LeGrand, H. E.
00822

Delaware River basin

Water resources, comprehensive report:
Parker, G. G. 00131

Eastern

Coastal storms, 1921-62: Mather, J. R. 01920
Frequency of small daily rainfall amounts:
Hershfield, D. M. 01865

Erosion

Regional denudation rates: Judson, Sheldon.
00725

Federal-State water rights

Senate Subcommittee on Irrigation and
Reclamation hearings: U.S. Congress,
Senate. 02001

Floods

Description and data, 1956: U.S. Geological
Survey. 01205

Description and data: U.S. Geological Survey.
01211

Hydroelectric power resources

Summary of resources: U.S. Federal Power
Commission. 00255

Hydrologic data

Principal Federal sources: Thomson, M. T.
01883

Mississippi embayment

Geology, ground water: Cushing, E. M. 02076
Streams, low-flow characteristics, Mississippi
and Alabama: Speer, P. R. 02019
Water load, crustal movement, earthquake
relation: McGinnis, L. D. 01307

United States*Municipal water facilities*

Communities of over 25,000 people: U.S.
Public Health Service. 01399

Communities of over 25,000 people: U.S.
Public Health Service. 01585

North-central

Ground-water levels, 1957-61: U.S.
Geological Survey. 00863

Snow cover, maximum water equivalent,
frequency: U.S. Weather Bureau.
02253

Pacific Northwest

Pollution: Hunt, J. C. 01462

Water management planning: Towne, W. W.
00440

Water resources: Fernald, G. H., Jr. 00450

Water resources development: Dana, M. N.
00093

Precipitation

U.S. Weather Bureau, radar hydrology
studies: Flanders, A. F. 00325

Productive aquifers

Generalized atlas: McGuinness, C. L. 01435

Quality of water

Water pollution surveillance system data
(1963 ed.): U.S. Public Health Service.
01420

Snake River basin

Surface-water quality: Laird, L. B. 00499

Southeast river basins

River basin planning: Kintsvater, C. E. 01100
River-basin planning, compared with Texas
study: Pealy, R. H. 01794

Yield of sedimentary aquifers, Coastal Plain:
Callahan, J. T. 00544

Southern

Water resources: LaMoreaux, P. E. 01791

Southwest

Drought effects on water resources:

Gatewood, J. S. 01013

Floods, factors affecting occurrence: Benson,
M. 00520

Paleoclimatology and man's environment:

Malde, H. E. 00397

Surface-water quality forecasting: Ledbetter,
J. O. 00046

Water problems: California State Assembly.
02184

Water resources planning: Raushenbush,
Stephen. 01925

Surface-water quality

Data inventory, published and unpublished
analyses, 1961: Woodward, T. H. 02260

Radioactivity, monthly data: U.S. Public
Health Service. 01932

Runoff and dissolved solids relationships:
Langbein, W. B. 00167

Strontium-90 trends, 1959-63: Floyd, E. P.
01930

U.S. Public Health Service, networks:
Williams, L. G. 01732

Water law

Doctrines of water use: Holcomb, C. J. 00435

United States**Water law**

- Local and Federal government relations:
Taylor, E. F. 01876

Water resources research

- Establishing centers at land-grant colleges and State universities: U.S. Congress, House. 01382

Water supply, municipal

- Chemical quality, public water supplies, 1962:
Durfor, C. N. 00128
Cities, 100 largest, selected data, 1962:
Durfor, C. N. 02191
Cities, 100 largest, selected data, 1962:
Durfor, C. N. 02192

Western

- Chemical composition of snow: Feth, J. H. 00518
Phreatophyte research, 1959-64: Robinson, T. W. 00575
Water resources projects, summary: U.S. Congress, Senate. 00568

Urbanization**Detergent contamination**

- New York, Nassau County: Perlmutter, N. M. 00163

Utah**Bear Lake**

- Water quality: Workman, G. W. 02050

Carbon County

- Ground water, Price River headwaters:
Cordova, R. M. 00957

Garfield County

- Hydrologic data, upper Sevier River basin:
Carpenter, C. H. 00424

Great Salt Lake

- Dissolved-mineral inflow and lake-brine quality: Hahl, D. C. 00845
Salt migration: Adams, T. C. 00943

Green River

- Water management: Mahoney, J. R. 01784

Ground-water conditions

- Spring 1964: Arnow, Ted. 00426

Ground-water geochemistry

- Radium-226 and radon-222 distribution:
Tanner, A. B. 00463

Hydrologic data program: Arnow, Ted. 02087**Iron County**

- Hydrologic data, upper Sevier River basin:
Carpenter, C. H. 00424

Jordan River Delta

- Radium contamination, environmental study:
Pendleton, R. C. 00445

Jordan Valley

- Geohydrologic analogies to Jordan Valley,
Holy Land: Bradley, Edward. 01662
Ground water: Marine, I. W. 00847

Juab County

- Ground-water data, Sevier Desert: Mower, R. W. 00425

Kane County

- Hydrologic data, upper Sevier River basin:
Carpenter, C. H. 00424
Hydrology of Navajo Lake area: Wilson, M. T. 01963

Utah**Kane County**

- Water resources, western part: Goode, H. D. 00846

Millard County

- Ground-water data, Sevier Desert: Mower, R. W. 00425

Navajo Indian Reservation

- Ground-water data: Cooley, M. E. 01484

Piute County

- Hydrologic data, upper Sevier River basin:
Carpenter, C. H. 00424

Price River

- Ground water, headwaters area: Cordova, R. M. 00957

Salt Lake County

- Water supply: Marsell, R. E. 00844

Sevier County

- Hydrologic data, upper Sevier River basin:
Carpenter, C. H. 00424

Sevier Desert

- Ground-water data: Mower, R. W. 00425

Sevier River basin, upper

- Hydrologic data: Carpenter, C. H. 00424

Surface water

- Data, summary records to 1960: Utah State University. 01631

Tooele County

- Ground-water data, Sevier Desert: Mower, R. W. 00425

Utah County

- Ground water, Price River headwaters:
Cordova, R. M. 00957
Spanish Fork quadrangle, ground water:
Markland, T. R. 03028

Water plan

- General discussion: Criddle, W. D. 00869

Water resources

- Mean annual runoff, calculation, water yield:
Bagley, J. M. 01767
Summary: Wilson, M. T. 00849
Water projects rehabilitation: Bingham, J. R. 02177

Vegetation**Aerial photography**

- Description: Lohman, S. W. 01145

Aquatic

- Effect on kelp of sewage effluent: California University. 01809
Effect on runoff measurements: Ostrowski, Stefan. 01733
Manganese concentration, cellular: Oborn, E. T. 01797

Dendrochronology

- Precipitation, New York: Schneider, W. J. 01973

Dendroclimatology

- Diurnal and seasonal variation in stem radii:
Kozlowski, T. T. 01881

Effects of floods

- Dating by tree rings: Sigafos, R. S. 00510
Effects on water quality
Color: Christman, R. F. 00637

Vegetation*Evaporation*

- Sources, apparent diffusivities, forest cover: Denmead, O. T. 01988

Grass

- Inundation tolerance: Gamble, M. D. 01457

Infiltration

- Effects on amount: Lull, H. W. 02061

Interception

- Factors influencing amount: Lull, H. W. 02061

Leaf-water content

- Alpine plants, New Hampshire: Bliss, L. C. 01887

Phreatophytes

- Survey procedure: Horton, J. S. 00921

Riparian

- Effects on recharge to alluvial aquifer: Renard, K. G. 02238

Riverbed

- Weeds, influence of soils on distribution: Dale, H. M. 01076

Roots

- Salt absorption: Hendricks, S. B. 01465

Runoff

- Effects on snowmelt: Satterlund, D. R. 00877

Salt tolerant

- Saline-water irrigation: Boyko, Hugo. 00910

Transpiration

- Measurement: Koller, D. 01070
- Related to internal water relations of plants: Ehlig, C. F. 00082
- Relation of root structure to ground water: Lewis, D. C. 01302

Tree leaves

- Effect on surface-water quality: Slack, K. V. 00139

Water balance

- Direct interception of cloud water: Ekern, P. C. 02193
- Leaf-water content, indicator of environmental stress: Bliss, L. C. 01887
- Lower limit of availability: Gardner, W. R. 00812

Venezuela*Rio Motatan River*

- Monthly runoff determined from monthly rainfall: Gschwendtner, J. v. G. 01289

Vietnam*Lower Mekong River*

- Development, international cooperation: White, G. F. 01486

Virginia*Chesapeake Bay*

- Interim hurricane survey, south shore: U.S. Army Corps of Engineers. 01011

Fairfax County

- Erosion, flooding, sedimentation, 1962-1963: Northern Virginia Soil Conserv. Dist. 01525

Floods

- January-February 1957: U.S. Geological Survey. 01294

Hydrologic activities

- State agencies: Virginia Division of Water Resources. 00434

Virginia*Mathews County*

- Interim hurricane survey, Garden Creek: U.S. Army Corps of Engineers. 01010

Middle and lower peninsulas

- Interim hurricane survey: U.S. Army Corps of Engineers. 01176

Patuxent, Potomac, Rappahannock Rivers

- Interim hurricane survey: U.S. Army Corps of Engineers. 01185

Precipitation

- Chemical composition: Gambell, A. W. 01296

Rappahannock River basin

- Drainage area—discharge relationships: Riggs, H. C. 00155

Water law

- Doctrines of water use: Holcomb, C. J. 00435

Water laws and agencies

- Description: Virginia Division of Water Resources. 00434

Water use

- Doctrines: Holcomb, C. J. 00435

Wabash River basin*Water resources*

- Management and regional planning: Boyce, R. R. 01537

Washington*Chief Joseph Dam project*

- Chelan division: U.S. Bureau of Reclamation. 02250

Clark County

- Ground water: Mundorff, M. J. 00524

Columbia River

- Radiological conditions, near Hanford, 1963: Foster, R. F. 02072

Department of Conservation

- Biennial report, July 1, 1962-June 30, 1964: Washington [State] Dept. Conserv. 01295

Seattle

- Response of Green Lake to its environment: Sylvester, R. O. 02090

Snake River

- Dams, controversy: Bessy, R. F. 01341

South-central

- Proposed extension of the Kennewick division, Yakima River: U.S. Bureau of Reclamation. 01383

Streamflow measurements

- Miscellaneous, 1890-1960: U.S. Geological Survey. 01021

Surface-water quality

- Radioactivity, July 1962-June 1963: Mooney, R. R. 01931

Waste disposal*Aerial reconnaissance*

- Description: Strandberg, C. H. 01146

Agricultural

- Ground-water contamination from cotton processing: Fink, B. E. 00835

Coastal waters

- Conference proceedings: Pearson, E. A. 02097

Conference proceedings

- Advances in Water Pollution Research*, volume 1—flowing fresh water: Southgate, B. A. 01025

Waste disposal*Conference proceedings*

Advances in Water Pollution Research, volume 2: Eckenfelder, W. W. 01024

Advances in Water Pollution Research, volume 3—marine coastal waters: Pearson, E. A. 02097

Deep well disposal

Colorado, Denver, Rocky Mountain Arsenal:

Scopel, L. J. 01680

Industrial: Talbot, J. S. 01134

Mixing of waters: Harpaz, Y. 01349

Nylon waste water, Florida: Batz, M. E. 01083

Domestic

Effects on ground water, Livermore Valley, California: Hansen, W. R. 01550

Individual units: Bernhart, A. P. 01493

Economics

Stream use determination: Baxter, S. S. 01635

Estuaries

Pollutant distribution: Pyatt, E. E. 01381

Industrial

Proceedings of 18th conference: Purdue

University. 02057

Recent developments in treatment: Liebmann, H. 00472

River pollution from paper mills: Billings, R. M. 01605

Irrigation

Food processing waste: Fisk, W. W. 01413

Pulp mill effluents: Blosser, R. O. 01415

Management

Economic development: Nace, R. L. 01598

Lake Tahoe: Ludwig, H. F. 00047

Textbook, regional aspects: Kneese, A. V. 01782

Oil-field brines

California, San Joaquin Valley: Morris, J. M., Jr. 00396

Methods: Melton, C. G. 00739

Organic

Decomposition in natural waters: Jannasch, H. W. 01309

Distinguished in streams by carbon-14:

Rosen, A. A. 00811

Effects on ecology: Hawkes, H. A. 00693

Pollution

Site evaluation, system: LeGrand, H. E. 01711

Potomac River basin

Future problems, water supply: Davis, R. K. 01432

Pulp waste

Commentary, jobs and clean water:

Bendetsen, K. R. 01607

Radioactive

Bibliography: Davis, T. F. 00409

Clinch River, Tennessee: Parker, F. L. 00432

Effluent discharged into Irish Sea: Mauchline, John. 01571

Ground-water flow velocity: Jones, P. H. 01833

Hydrology of seepage basins: Reichert, S. O. 01396

Waste disposal*Radioactive*

Limnological study, upper Ohio River:

Shapiro, M. A. 01554

Low level, comprehensive discussion: Straub, C. P. 01529

Marine environment, review: Mauchline, J. 01937

Mixing in rivers, traced with rhodamine-B: Kisiel, C. C. 01790

Ohio, Great Miami River: Adams, P. C. 01337

Progress report, Oak Ridge National Laboratory: Parker, F. L. 01950

Results of effluent discharge into Irish Sea: Mauchline, John. 01218

Savannah River plant, South Carolina: Siple, G. E. 00164

Sewage disposal systems, effectiveness: Folsom, T. R. 01725

Sewage

Effect on kelp off California coast: California University. 01809

Nitrogen removal: Wuhrmann, K. 00680

Nutrients removal: Foyn, Ernst. 00679

Radioactivity measurement method:

Haughey, F. J. 01342

Sewerage enabling acts, California: California Water Quality Control. 02185

Solid refuse

Ground-water pollution: Weaver, L. 02167

Subsurface

Ground-water pollution, hydrologic factors: Brown, R. H. 02170

Industrial waste, United States: review:

Donaldson, E. C. 01130

Well completion and maintenance: Baker, W. M. 02112

Surface waters

Waste loads, determination, charting: Muller-Neuhaus, G. 01329

Treatment

Recovery of zinc and nickel: ion exchange: Kantawala, Deepak. 01402

Wet air oxidation: Teletzke, G. H. 01132

Wisconsin, Green Bay area

Lower Fox River: Knowles, D. B. 00514

Zinc

Effect on stream chemistry: O'Connor, J. T. 01868

Water*Bibliographies*

Index, 1963: Franck, Marga. 02095

Chemistry

Liquid structure: Marchi, R. F. 00240

Molecular bond: Edmiston, Clyde. 00242

Structure and solute-water interaction:

Kavanaugh, J. L. 00674

Water quality, textbook discussion: Powell, S. T. 02055

Educational material

Juvenile literature: Elting, Mary. 01503

Popular literature: Lewis, Alfred. 01523

Hydrogen isotopes

Fractionation: Heinzinger, Karl. 00244

Water*Popular literature*

Water needs for life: Milne, L. J. 02141

Problems and prospects

General discussion: Agnew, A. F. 03020

Pure

Resistivity: Iverson, A. 01805

Research

Denver area, Federal activities and facilities:

Denver Federal Executive Board. 01095

Summary of needs: Langbein, W. B. 02214

World supply

General discussion: Nace, R. L. 01546

Water analysis*Alkaline earth metals*

Automatic flame spectrophotometric,
chromatographic separation: Pollard, F. H.
01738

Alkalinity

Field measurement: Barnes, Ivan. 00517

Manometric method: Rettig, S. L. 00168

Ammonia

Colorimetric method: Roskam, R. T. 01043

Antimony

Rhodamine B colorimetric method: Bartlett, J.
C. 01060

Atomic absorption flame spectrometry

Detection limits, calculation: Winefordner, J.
D. 00797

Biological methods

Gambusia monitoring toxic industrial waste:
Davis, R. C. 01404

BOD

Effect of dilution media: Allen, M. M. 00448

Brucine method

Determination of nitrate: Jenkins, David.
01871

Calcium and magnesium

EDTA titration, successive determination:

Rao, D. S. 01056

Simultaneous determination:

Katz, Hyman. 00057

Carbon

Combustion-gas chromatography, total
carbon determination: West, D. L. 01650

Infrared analyzer, total carbon determination:
Van Hall, C. E. 01405

Wet oxidation at 175°C: Weber, W. J., Jr.
00442

Carbon dioxide

Gasometric determination: Wood, K. G.
01308

Carbon-chloroform extracts

Sampling device for carbon adsorption
method: Taylor, F. B. 01632

Chlorinity

Differential refractive index: Williams, H. B.
01569

Using differential potentiometric end point:
Reeburgh, W. S. 01226

Chromium(III)

Spectrophotometric determination: den Boef,
G. 01906

Water analysis*Dissolved gases*

Gas chromatography: Kilner, A. A. 01649

Dissolved oxygen

Accuracy, sampling practices: Porges, Ralph.
00451

Coulometric analysis: Eckfeldt, E. L. 00799

Effect of algae: Fitzgerald, G. P. 00455

Miniaturized field kit: Scott, R. H. 00439

Rapid spectrophotometric method: St. John,
P. A. 01042

Electrical conductance

Sea water, change with temperature: Weyl, P.
K. 01893

Fluoride

Colorimetric determination: Palin, A. T.
01416

Ion exchange method: Felso, F. S. 01668

Gas chromatography

Silvex, an aquatic herbicide: Gutermann, W.
H. 01444

Hardness

Simultaneous determination of calcium and
magnesium: Katz, Hyman. 00057

Infrared spectroscopy

Organic pollutants: Voegelé, F. A. 01671

Iodine

Automatic ultramicro determination:

Hadjiioannou, T. P. 01744

Ion exchange procedures

Cation exchange, concentrated HCl and

HClO₄ solutions: Nelson, Frederick. 01737

Iron

Colorimetric determination, using 2,3,5,6-
tetrakis-(2'-pyridyl)-pyrazine: Phlaum, R.
T. 01052

Total iron, absorptiometric determination:

Tetlow, J. A. 01054

Iron, dissolved

Absorptiometric determination: Wilson, A. L.
02258

Iron, total

Dissolving methods, non-reactive iron:

Wilson, A. L. 02259

Magnesium

Simultaneous determination with calcium
endpoint: Katz, Hyman. 00057

Manganese

Spectrophotometric determination: Pike,
LeRoy. 01051

Metals

Atomic absorption spectrometry: Wheat, J. A.
01946

Extraction, chelates: Stary, Jiri. 02116

Solvent extraction, metal chelates, theoretical
approach: Schweitzer, G. K. 01044

Neutron activation

Sulfur and phosphorus determination:

Wayman, C. H. 01665

Nickel

N,N'-bis(m-sulphobenzyl)dithiooxamide
reagent, spectrophotometric study:
Janssens, A. A. 01901

Nitrate

Brucine method: Jenkins, David. 01871

Water analysis*Nitrate*

- Chemical reduction: Young, G. K. 00441
- Determination by ultra-violet absorption: Navone, Remo. 01718
- Diazotization method: Fishman, M. J. 00073
- Sensitive determination method: Andrews, D. W. W. 02106

Nitrogen, total

- Nitrate reduction method: Brabson, J. A. 01062

Oil-field waters

- Selenium and tellurium: Collins, A. G. 00413

Organic compounds

- Infrared spectroscopy, pollutant identification: Voegelé, F. A. 01671
- Natural color, chemistry: Christman, R. F. 00637
- Pollutant evaluation techniques: Ryckman, D. W. 01673
- Recovery and identification: Hoak, R. D. 01736

Oxygen

- In situ determination with plastic dome: Copeland, B. J. 01221

Palladium

- Atomic absorption spectroscopy: Erinc, G. 01049

Pesticides

- Analytical procedures: Burchfield, H. P. 00490
- Apparatus for continuous extraction of nonpolar compounds: Kahn, Lloyd. 01482
- Biochemical assay: Weiss, C. M. 00437
- Chlorinated hydrocarbon: Goodenkauf, Arley. 00072
- Gas chromatography: Buescher, C. A. 00446
- Gas chromatography: de Faubert Maunder, M. J. 01040
- Gas chromatography: Egan, H. 02119
- Gas chromatography with microcoulometric detection: Burke, Jerry. 01061
- Organophosphates, nitrobenzyl pyridine procedure: Getz, M. E. 01905
- Organophosphates, reduction method: Getz, M. E. 01064
- Paper chromatography: Abbott, D. C. 01055
- Silvex by gas chromatography: Gutermann, W. H. 01444
- Soil sampling: Mack, G. L. 00474
- Sulfoxide, chromatographic determination: Haus, J. B. 01059

pH

- Field measurement: Barnes, Ivan. 00517

Phosphorus

- Neutron activation method: Wayman, C. H. 01665

Phosphorus, total

- Volumetric ammonium molybdate method: Hoffman, W. M. 01063

Potassium

- Flame photometry: Chow, T. J. 01048

Radioactive materials

- Chemical analysis: Craft, T. F. 01648

Water analysis*Radioactivity*

- Evaluation of gross beta radiation analysis methods: Setter, L. R. 0005^a

Radium

- Determination in water: Barker, F. B. 00550
- Survey techniques for radon-222 and radium-226: Lucas, H. F., Jr. 00464

Refractive index

- Chlorinity: Williams, H. B. 01569

Resistivity measurement

- Ultra-pure water: Iverson, A. 01805

Salinity

- Estimation methods, recent advances: Johnston, R. 01909
- Portable conductivity meters: Labrique, J. P. 01759

Sample preservation

- Polluted water samples: Hellwig, D. H. R. 02200

Sampling methods

- Great Lakes: Libby, R. W. 01231
- Trace element extraction: Lal, D. 01097

Sea water

- Ammonia, colorimetric method: Roskam, R. T. 01043
- Dissolved oxygen, gas chromatographic determination: Park, Kilho. 01094
- Lithium: Riley, J. P. 01091
- Silica determination: Grasshoff, K. 01092

Sediment

- Electronic-sensing device: U.S. Inter-Agency Committee. 02122

Silica

- Determination by Conway's microdiffusion technique: Alon, A. 01050
- Spectrophotometric determination, silicic acid: Garrett, H. E. 01058

Silicon

- Reactive, determination in presence of phosphate: Webber, H. M. 02257

Solvent extraction

- Metal chelates: Stary, Jiri. 02116

Sulfate

- Titrimetric determination: Japelskis, Bruno. 00798

Sulfide determination

- Estuarine waters: Johnson, C. R. 01872

Sulfur

- Neutron activation method: Wayman, C. H. 01665

Suspended material

- Measurement: Baalsrud, K. 01647

Tantalum

- Spectrophotometric determination: Guyon, J. C. 01047

Thallium

- Solvent extraction, thallium(I) chelates: Schweitzer, G. K. 01045

Titanium

- Cupferron solvent extraction: Corbett, J. A. 01046

Uranium

- Field method: Chamberlain, J. A. 00194

Water analysis*Vanadium*

Catalytic determination: Fishman, M. J.
01669

Radio release method: Gillespie, A. S., Jr.
01651

Spectrophotometric determination with N-benzoyl-o-tolylhydroxylamine: Majumdar, A. K. 02120

Waste water

Radioactivity measurement method:
Haughey, F. J. 01342

Water quality monitoring

Instrumentation, continuous measurement:
Keyser, A. H. 01082

Water budget*Arizona*

Colorado River area: Hely, A. G. 01305

Arkansas River valley

Colorado: Moulder, E. A. 00376

California

Placer County, experimental watershed:
Lewis, D. C. 00354

Salton Sea area: Hely, A. G. 01305

Hydrologic equation

Hidden recharge areas: Feth, J. H. 02155

Methods

Gravity survey, Humboldt River: Cartwright,
Keros. 01369

Model studies

Digital river basin model: Hannaford, J. F.
00898

Snow evaporation, energy approach: Bergen,
J. D. 00902

Watersheds

Effect of soil type and use: Dreibelbis, F. R.
00724

Precipitation recharge to ground water:
Cavazza, Samuele. 00381

Precipitation recharge to ground water:
Wolftzoun, I. B. 01889

Summary of methods: Kohler, M. A. 02210
Topoclimatology, potential insolation,
radiation: Lee, Richard. 02149

Water conservation*Evapotranspiration*

Logging effects on soil moisture: Ziemer, R.
R. 00701

General discussions

Western Resources Papers, 1963: McNickle,
R. K. 01787

Legislation

General discussion: Anderson, C. P. 01461

Management

American Forestry Association platform:

American Forestry Association. 01861

Water pollution control: Crutchfield, J. A.
00454

Mapping

Requirements and methods: Bauer, K. W.
00051

Municipal

Reduction of losses during distribution:
Hudson, W. D. 00058

*Popular literature: Milne, L. J. 02141***Water conservation***Re-use*

General discussion: Steffen, A. J. 01411

General discussion, sewage effluent:
Stanbridge, H. H. 01422

General discussion, sewage effluent:
Stanbridge, H. H. 01823

Industrial, agricultural, municipal: Cannon,
D. W. 02186

Industrial supply from once-used municipal
water: Connell, C. H. 01822

Quality aspects of waste-water reclamation:
Bonderson, P. R. 01853

Treated sewage effluent for industry: Cecil, L.
K. 01414

Water harvesting

Increased precipitation runoff through land
treatment: Myers, L. E. 01900

Water quality management

Socio-economic aspects: Kneese, A. V. 00438

Water law*Determining water requirements*

Blaney-Criddle method: Blaney, H. F. 01243

Economics

Perception of natural hazards: Burton, Ian.
01242

Federal-State conflicts

Recent developments, resources and utilities
law: Taylor, E. F. 01876

Federal-State relations

Water rights: Dickenson, R. W. 01804

General discussions

Western Resources Papers 1963: McNickle,
R. K. 01787

Great Lakes

General discussion: Olds, N. V. 01229

Ground water

Europe: United Nations. 02137

General discussion: Krieger, J. H. 00023

Legal control: Johnson Drillers Journal.
01360

Ground-water use

Effect on surface-water rights: Bittinger, M.
W. 01813

Illinois

Water use law: Mann, F. L. 00922

International

United States-Canada prairies region:

Thompson, M. W. 02145

Interstate

Arizona vs. California, Colorado River:

Haber, David. 01443

Legislation

Federal-State water rights: U.S. Congress,
Senate. 02001

Water conservation: Anderson, C. P. 01461

Model law

General discussion: Snell, T. S. 01592

Review and discussion: Water Well Journal.
01426

Water well industry concern: Richard, James.
02239

Water well industry states its case: Johnson
Drillers Journal. 00333

Water law*New Mexico*

- Survey of legislation and decisions: Clark, R. E. 01549

Pacific Southwest

- Water problems: California State Assembly. 02184

Pollution

- California, state activities: California State Assembly. 02132
Massachusetts acts and experience: Fair, G. M. 00049
Strip-mining legislation: Meiners, R. G. 01319

Quality control

- Federal Government participation: Atkins, C. H. 01850

Resources engineering

- Textbook: Linsley, R. K. 01781

Texas

- Rules, regulations, and modes of procedure: Texas Water Commission. 00401

Textbook discussion

- Handbook of Applied Hydrology*: Trelease, F. J. 02036

United States

- Developments in 1964: Water Well Journal. 01593
Withdrawal and water use: Holcomb, C. J. 00435

United States, Western

- Water rights engineering: Wright, K. R. 01854

Virginia

- Notes: Virginia Division of Water Resources. 00434

Water district laws

- California: California State Assembly. 00192

Water management

- Jurisdictional considerations: Erlich, Harry. 02129

Water resource development

- Economics: Smith, S. C. 01504

Water use

- General discussion: Beuscher, J. H. 01603

Water utilities regulation

- Developments, 1962-63: American Bar Association. 01851

Water management*Agriculture*

- Drainage projects, economic evaluation: Menz, J. A. 01626

Analog and mathematical models

- Los Angeles ground-water basin: Tyson, H. N., Jr. 00777

Arid regions

- General discussion: Davis, G. H. 01548

Arizona

- Planning: Pinkerton, K. C. 00870

Artificial recharge

- Formation of public districts: Smith, S. C. 01908

Clay soil

- Bladen series, Southeastern United States: Sparrow, G. N. 01834

Water management*Coastal regions*

- Desalting ground water: Santema, P. 01326

Colorado River

- Commission report, 1964: Head, I. P. 00202

Conjunctive use, ground-water—surface-water

- Israel, Lake Tiberias: Buras, Nathan. 02152

Determining requirements

- Resolving disputes: Blaney, F. F. 01243

Development

- Economic, conservation, and legal views: Crutchfield, J. A. 00454

- Essential economic factors: Nace, R. L. 01598

Drainage

- Canal seepage reduction: Muckel, D. C. 01456

Economics

- Land drainage projects: Menz, J. A. 01626

Edwards Water District

- Texas: Weinert, M. D. 00819

Estuaries

- Water quality and forecasting: Thomann, R. V. 01852

Federal-State relations

- Water rights: Dickenson, R. W. 01804

General discussions

- Western Resources Papers, 1963: McNickle, R. K. 01787

Ground water

- North America: Thomas, H. E. 00810

- Storage: Knezek, M. 01437

Ground-water basins

- General discussion: Fowler, L. C. 00780

Indus Valley

- Problems and proposals: Karpov, A. V. 00037

International cooperation

- Columbia River: Sewell, W. R. D. 00993

Lakes

- Stage control, remote areas: Szesztay, K. 01629

Los Angeles basin

- Economic plan: Chun, R. Y. D. 00774

- Legal considerations: Valentine, V. E. 00778

- Utilization plan: Chun, R. Y. D. 00774

Mapping

- Requirements and methods: Bauer, K. W. 00051

Oregon

- Comprehensive planning: Oregon State University. 01143

- Flood control in multiple-purpose water resources development: Stewart, W. H. 01994

- Water quality control: Everts, C. M. 01996

Planning

- Analog and digital computers, southern

- California: Chun, R. Y. D. 00382

- Columbia River basin project: Towne, W. W. 00440

- Conflicting interest in use of Pacific Northwest watersheds: Benedetti, A. J. 00975

- Conjunctive use, ground and surface water: Bittinger, M. W. 01813

- Conjunctive use, ground and surface water: Fowler, L. C. 00379

Water management*Planning*

- Developing ground water: Linck, C. J. 01279
- Economics and water law: Smith, S. C. 01504
- Socio-economic aspects: Linsley, R. K. 02216
- Use of analog techniques: Robinson, G. M. 00312

Policy

- General discussion: Ciriacy-Wantrup, S. V. 01521

Pollution control

- Ground-water contamination: LeGrand, H. E. 01345

Precipitation

- Collection and storage: Myers, L. E. 01900

Public districts

- Artificial recharge: Smith, S. C. 01908

Reservoirs

- Method, storage requirements estimation: Beard, L. R. 01765

Resources engineering

- Textbook: Linsley, R. K. 01781

United States

- Future water requirements: Howard, P. F. 02202

Utah

- Green River: Mahoney, J. R. 01784
- Planning: Criddle, W. D. 00869

Waste disposal

- Quality aspects of waste-water reclamation: Bonderson, P. R. 01853

Water quality

- Agricultural pesticides and recycling of irrigation waters: Orlob, G. T. 00756
- Economics: Kneese, A. V. 01782
- Socio-economic aspects: Kneese, A. V. 00438

Water-rights administration

- New Mexico: New Mexico State Engineer. 00254

Watersheds

- Pacific Northwest: Dana, M. N. 00093

Water resources*Conservation*

- Popular discussion: Parson, R. L. 01151

Development

- Activities of State agencies: Sokol, Daniel. 00399
- Deltaic areas: United Nations. 01942
- Economics and public policy: Smith, S. C. 01504
- Federal role in pollution control: Thoman, J. R. 00429
- Foreign aid programs, map requirements: Hansen, O. S. 00635
- Interplay of American and Australian ideas: Rutherford, John. 01877
- Management of ground-water contamination: LeGrand, H. E. 01345
- Reservoir site preservation: Olson, G. T., II. 00929

Water resources*Development*

- State role in pollution control: Pickard, R. C. 01953
- Water management planning: Towne, W. W. 00440
- Water quality management: Kneese, A. V. 00438
- Watershed planning, Missouri: Nichols, J. M. 02230

Education

- Requirements: Golze, A. R. 01978
- Trends: Kindsvater, C. E. 00179

Engineering

- Textbook: Linsley, R. K. 01781

Evaluation

- Potential yield of aquifers, northeastern Illinois: Walton, W. C. 01475

Federal projects

- Efficiency in planning: Fox, I. K. 01325

General discussions

- Western Resources Papers, 1963: McNickle, R. K. 01787

International development

- International Hydrological Decade: United Nations. 02037

Management

- Economic, conservation, and legal views: Crutchfield, J. A. 00454
- General discussion: Industrial Water Engineering. 01604
- Ground-water contamination: LeGrand, H. E. 01345
- Jurisdictional considerations, California: Erlich, Harry. 02129

North America

- Distribution of water from Alaska and Canada to U.S. and Mexico: Kelly, R. P. 00200
- Increasing by desalinization: Philbrick, A. K. 00013

Oregon

- Planning and development: Karr, M. H. 02000
- Planning and development seminar: Oregon State University. 01143
- State activities in water resources development: Lane, D. J. 01993

Planning

- Arizona: Pinkerton, K. C. 00870
- California: James, Laurence. 01012
- California, Klamath River basin: California Dept. Water Resources. 01870
- California, Madera area: California Dept. Water Resources. 01859
- California, Mt. Shasta City-Dunsmuir area: California Dept. Water Resources. 01276
- California, North Coastal area: Baumli, G. R. 00191
- California, northern coastal basins: Rantz, S. E. 01212
- Economic considerations: Green, W. A. 00648
- Flood control as a part of multiple-purpose development: Stewart, W. H. 01994

Water resources*Planning*

- Future, Southern United States: LaMoreaux, P. E. 01791
 Interdisciplinary science: Vaughn, J. C. 01608
 Manual, standards for planning projects: United Nations. 01943
 Mapping needs and methods: Bauer, K. W. 00051
 National long-range policy: Watson, K. S. 01400
 Reservoir site preservation: Olson, G. T., II. 00929
 Utah: Criddle, W. D. 00869
 Willamette Basin, Oregon: Lane, D. J. 00915

Quality

- Regional management, economics: Kneese, A. V. 01782

Requirements and supplies

- Projected 1980 and 2000: Resources for the Future. 02025

Research

- Establishment of water resources research centers: U.S. Congress, House. 01382
 Federal program, 1965: Federal Council, Sci. and Technology. 01584
 Review and summary: Ordway, S. H., Jr. 01244
 U.S. Geological Survey 1963, short papers: U.S. Geological Survey. 01200
 U.S. Geological Survey 1964, short papers: U.S. Geological Survey. 01202
 U.S. Geological Survey 1964, short papers: U.S. Geological Survey. 01203
 U.S. Geological Survey 1964, short papers: U.S. Geological Survey. 01436
 U.S. Geological Survey 1964, summary: U.S. Geological Survey. 01201
 Water resources centers: Agnew, A. F. 01428

Review

- Use, programs, technology, 1963: Kerns, W. H. 01734

River basin planning

- Seminar: Kindsvater, C. E. 01100

Southeast Coastal Plain

- Safe yield of sedimentary aquifers: Callahan, J. T. 00544

Southwest

- Drought effects: Gatewood, J. S. 01013

State programs

- Summary: Sokol, Daniel. 02154

United States

- Summary of projects, plans, and studies: Western and Midwestern States: U.S. Congress, Senate. 00568

Use and management

- Symposium, Canberra, 1963, Proceedings: Australian Academy of Science. 01300

World supply

- General discussion: Nace, R. L. 01546

World wide

- Agriculture uses: Greenshields, E. L. 01531

Water Resources Research Act, 1964*History and scope*

- Brief description: Long, B. L. 00213

Water treatment*Activated carbon*

- Adsorption of organic material in heterogeneous systems: Weber, W. J., Jr. 01477

- Equilibria of adsorption of organic pollutants: Weber, W. J., Jr. 01469

Advanced waste treatment

- Distillation: Neale, J. H. 00421

Bacteria control

- New concept for iron bacteria control in wells: Luthy, R. G. 01586

Biologically-resistant pollutants

- Removal by adsorption: Morris, J. C. 00696

Chlorination

- Clams, *Corbicula*, ecology and control: Sinclair, R. M. 00071

Coagulation

- Turbidity, Missouri River water: Mueller, K. C. 00062

Corrosion

- Anticorrosion water treatment, review: Dye, J. F. 00067

- Control in water systems: Lehmann, J. A. 01481

Data

- Facilities of U.S. cities: U.S. Public Health Service. 01399

- Facilities of U.S. cities: U.S. Public Health Service. 01585

Desalination

- Chemical by-products, recovery: Weinberger, A. J. 01084

Domestic use

- Basic parameters for rapid treatment of pond water: Daniel, E. R. 00104

Economics

- Evaluation of processes for specific water: Hanson, L. E. 00070

Extraction

- Bench-scale system: Zeitour, M. A. 01087

Filtration

- Diatomite filtration equation: Baumann, E. R. 00061

Fluoridation

- United States and Canada, new systems put in, 1962: American Water Works Association. 01471

Industrial wastes

- Recent developments: Liebmann, H. 00472

Kerosene removal

- Surface-water supply: Weir, Paul. 01704

Natural purification

- Computer model study: Montgomery, M. M. 00045

- Microbial decomposition: Jannasch, H. W. 01309

Nutrients removal

- Electrolytic treatment: Foyn, Ernst. 00679

- Nitrate, chemical reduction: Young, G. K. 00441

- Nitrogen and phosphorous removal methods: Rohlich, G. A. 00695

- Sewage effluents: Fitzgerald, G. P. 00681

Water treatment*Nutrients removal*

Sewage treatment processes, nitrogen removal: Wuhrmann, K. 00680

Organic material

Adsorption by activated carbon: Weber, W. J., Jr. 01477

Elimination by activated carbon: Davies, D. S. 01902

Oxidation

Hydrogen sulfide removal: Willey, B. F. 00984

Pesticides

Removal methods: Faust, S. D. 00060

Phenol removal

Oxidation, research: Eisenhauer, H. R. 00449

Plant design

Relation to raw-water quality: Woodward, R. L. 00065

Pond water

Basic parameters, rapid treatment for domestic use: Daniel, E. R. 00104

Characteristics of slow sand filters: Hill, R. D. 00116

Radioactivity removal

Sewage disposal systems, effectiveness: Folsom, T. R. 01725

Reservoirs

Self-purification, oxygen regime: Drachev, S. M. 00686

Rivers

Source for public supply: Gelston, W. R. 00069

Standards

AWWA rating system: Vaughn, J. C. 00068

Textbooks

Operation and control of water treatment processes: Cox, C. R. 01594

Turbidity removal

Electrophoretic studies of coagulation mechanism: Black, A. P. 01470

Virus removal

Efficacy of current processes: Clarke, N. A. 00697

Waste water

Research for water re-use: Middleton, F. M. 01317

Water use*California*

Industrial, 1957-59: Wagner, R. J. 01570

Conflicts

Recent legal developments: Taylor, E. F. 01876

Consumptive use

Blaney-Criddle method: Blaney, H. F. 01243

Cooling

Diffusion heating and cooling of thermal neutrons: Bretscher, M. M. 01600

Domestic

Rapid treatment of pond water: Daniel, E. R. 00104

Efficiency

Economic development: Nace, R. L. 01598

Engineering

Textbook: Twort, A. C. 00671

Water use*Farms*

Quantitative demands and peak use rates: Yung, F. D. 00110

Forecasting

Weather data and snow surveys: Peck, E. L. 00954

General discussions

Western Resources Papers, 1963: McNickle, R. K. 01787

Great Lakes

Pollution control: Kehr, W. Q. 00965

Ground water

Effect on surface-water rights: Bittinger, M. W. 01813

Hydroelectric power

Oregon's future requirements: Hill, J. C. 02201
Resources of the United States: U.S. Federal Power Commission. 00255

Industry

California, 1957-59: Wagner, R. J. 01570
Georgia, present and potential: Whitlatch, G. I. 01774
North Carolina: Walker, W. R. 00890

Law

Study, Illinois: Mann, F. L. 00922

Legal doctrines

United States: Holcomb, C. J. 00435

Legislation

General discussion: Anderson, C. P. 01461

Mineral industry

Annual review, 1962: Kerns, W. H. 01734
Arizona: Gilkey, M. M. 00412

Multiple use

Pacific Northwest: Dana, M. N. 00093
Recreation and consumption, Forest Lake, Missouri: Rosebery, D. A. 00054
Water supply reservoirs for recreation: Ongerth, H. J. 01472

Municipal

Chemical quality of public supplies: Durfor, C. N. 00128

Data, 100 largest cities, 1962: Durfor, C. N. 02191

Data, 100 largest cities, 1962: Durfor, C. N. 02192

Reduction of losses in distribution system: Hudson, W. D. 00058

Supply facilities, United States: U.S. Public Health Service. 01399

Supply facilities, United States: U.S. Public Health Service. 01585

Williams, Arizona: Larson, Ray. 00872

Navigation

Oregon: Hasselbrink, Lyle. 02261

Oregon

Comprehensive planning: Oregon State University. 01143

Planning

California, Los Angeles County: California Dept. Water Resources. 01869

Land and water use in Foothill-Cache Creeks, California, hydrographic unit: California Dept. Water Resources. 01286

Water use*Planning*

Land and water use in Trinity River basin,
California, hydrographic unit: California
Dept. Water Resources. 01832

Surface-water—ground-water conjunctive
use: Buras, Nathan. 02152

Policy

General discussion: Ciriacy-Wantrup, S. V.
01521

Pollution dilution

River receiving capacity, determination:
Schroepfer, G. J. 00690

Ponds

Rapid treatment for domestic use: Daniel, E.
R. 00104

Recreation

Federal development projects, policies: Nobe,
K. C. 00643

Limnology of lakes: Mackenthun, K. M.
00422

Oregon: Jackson, G. L. 02205

Oregon: Schick, Harold. 01998

Watershed sanitation: Taylor, F. B. 00237

Residential

Projected-demand research: Linaweaver, F.
P., Jr. 01875

Re-use

Advanced treatment of waste waters:
Middleton, F. M. 01317

General discussion: Steffen, A. J. 01411

Industrial, agricultural, municipal: Cannon,
D. W. 02186

New Brunswick, Dalhousie paper mill:
Randall, D. J. 01412

Once-used municipal water for industrial
supply: Connell, C. H. 01822

Reclamation plant for sewage water:
Parkhurst, J. D. 01856

Sewage effluent: Stanbridge, H. H. 01422

Sewage effluent: Stanbridge, H. H. 01823

Treated sewage effluent for industry: Cecil, L.
K. 01414

Saline water

Irrigation possibilities: Boyko, Hugo. 00910

Snake River basin

General discussion: Laird, L. B. 00499

Surface water

Regulation in Idaho, 1964: Idaho Water
District No. 36. 00927

Waste disposal, stream use: Baxter, S. S.
01635

Urban

Requirements for vegetation, estimation from
formulas: Hall, W. A. 00102

Vegetation

Requirements in an urban environment: Hall,
W. A. 00102

Water law

General discussion: Beuscher, J. H. 01603

Waterpower*Canada*

Developments as of December 31, 1963:
Canada Water Resources Branch. 00012

Waterpower*Developed and potential*

Summary for U.S. and other countries of the
world, 1955-62: Young, L. L. 00571

Oregon

Future requirements: Hill, J. C. 02201

Southwestern United States

Management of multi-reservoir system: Head,
I. P. 00202

Watersheds*Agricultural chemicals*

Retention and movement: Kunze, G. W.
01263

Arizona

Symposium, 1964.: Arizona Water Resources
Committee. 00868

Bridge and culvert design

Basin characteristics, effects on: Bodhaine, G.
L. 01017

Comparative analysis

Morphology of streams: Woodruff, J. F.
01150

Design hydrographs

Indiana: Wu, I. P. 00933

Development

West Germany: Brown, C. B. 00644

Erosion

Effects of control and seasonal variation,
western New York: Parsons, D. A. 01359

Estimating long-term sediment yield: Piest, R.
F. 00320

Quantitative study of gully-head
advancement: Thompson, J. R.
00106

Great Lakes-St. Lawrence basin

Runoff variability and river classification:
Browzin, B. S. 01235

Hydrology

Studies of Honey Creek basin, Texas: Gilbert,
C. R. 01004

Infiltration

Mathematical refinement of equation:
Overton, D. E. 03014

Loessial

Transmission losses, floodwater infiltration:
Allis, J. A. 01466

Management

Clearcutting, effect on runoff: Reinhart, K. G.
01770

Economic evaluation procedure: Worley, D.
P. 00186

Effect of shoreline fluctuations on grasses:
Gamble, M. D. 01457

Effects on sediment yield: Baird, R. W. 01843

Function of purveyor: Allen, E. J. 01473

Future needs in forest-water conservation:
American Forestry Association. 01861

Grazing: Hedrick, D. W. 00918

Logging effects on water quality and erosion:
Hornbeck, J. W. 00641

Pre-logging studies, Oregon: Williams, R. C.
01192

Rehabilitation program: McMullin, R. J.
00871

Peak discharge

Determination: Wu, I. P. 00933

Public land

Land management: Getty, R. E. 00267

Watersheds*Runoff*

- Conservation techniques, effects: Stephens, Uel. 01646
- Effect of changes: Rallison, R. E. 00917
- Forecast, snowmelt: Martinec, Jaroslav. 01764
- Infiltration capacity, model study: Betson, R. P. 00709
- Meteorological factors, floods, Fraser River: Bruce, J. P. 00901
- Numerical methods for routing: Holtan, H. N. 00117
- Prediction from storms with digital computer: Palmer, D. B. 00118
- Rainfall-runoff relationships, model study: Snyder, W. M. 01760

Small

- Stream-gaging stations and artificial controls: Reinhart, K. G. 00842

Well construction*Crystalline rock*

- Optimum depth, development costs: Davis, S. N. 02163

Dug wells

- Great London well of 1835: Robb, C. J. 01587

General

- Well driller's role: Guardino, S. T. 02166

Gravel packing

- Use as formation stabilizer: Johnson Drillers Journal. 01362

Ground-water test wells

- Nevada Test Site: Moore, J. E. 00419

Grouting

- Best procedures and methods: Johnson Drillers Journal. 00337
- Methods and problems: Baker, W. M. 02112
- Producing impervious seal around well casings: Johnson Drillers Journal. 00334

Large diameter

- Reverse-circulation drilling: Burnham, W. L. 00185

Standards

- California, Alameda County: Thronson, R. E. 00189

Techniques

- Grouting and protection: Moehrl, K. E. 00064

Unconsolidated deposits

- Engineering techniques: Williams, J. W. 01709

Well logging*Acoustic amplitude*

- Fracture zone location: Morris, R. L. 00740
- Two-receiver attenuation: Anderson, W. L. 00749

Acoustic logs

- Wave train logging: Shropshire, Joe. 00398

Borehole examination

- Periscope: Trainer, F. W. 00177
- Stereoscopic, three-dimensional photography: Canadian Petro Engineering. 01079

Electric logs: Zublin, C. W. 02051

- Earth resistivity methods, Illinois: Buhle, M. B. 01393

Flow velocity

- Radioactive tracers: Walker, Terry. 00743

Well logging*Geophysical logs*

- General discussion: Guyod, Hubert. 00183
- Nevada Test Site test well 2: Moore, J. E. 00419
- Projective interpretation: Pirson, S. J. 03008

Neutron activity

- Saline-water detection: Youmans, A. H. 00736

Nuclear magnetism

- Fluid bearing zones: Gamson, B. W. 00734

Photographic techniques

- "NX" borehole camera: Trantina, J. A. 02249

Saline water

- Electrolytic conductance: Park, Kilho. 00813

Soil sampling, undisturbed

- General considerations: Clark, K. R. 00184

Techniques

- Drill hole geometry, determination: Holm, Alfred. 01740
- Planar structure, interpretation: Lyons, M. S. 02217

Wells*Arctic regions*

- Bethel, Alaska: Feulner, A. J. 00170

Bailing

- Transmissibility determination: Lennox, D. H. 01372

Blowing

- Alignment with ground-water flow: Lamar, D. L. 00926

Borehole examination

- Stereoscopic, three-dimensional photography: Canadian Petro Engineering. 01079
- Television apparatus: Eddy, J. E. 00148

Corrosion

- Domestic wells, South Carolina: Hoxie, E. C. 01657

Deep

- Australia's 5,000-foot wells: Water Well Journal. 01397

Development

- Characteristics of jets: Johnson Drillers Journal. 01361
- Maximum production: Bruir, Jack. 01476

Disposal

- Completion and maintenance: Baker, W. M. 02112

Domestic

- Navajo Reservation: Godschalk, H. J. 01589

Drilling

- Percussion-reverse circulation system: Massarenti, I. M. 01748

Earthquake effects

- Texas High Plains, induced by Alaskan earthquake: Miller, W. D. 00095

Efficiency

- Multiple step-drawdown tests: Bierschenk, W. H. 00314

Flow tests

- Methods: Johnson Drillers Journal. 00338

Frozen

- Thawing by electrical means: Eaton, E. R. 01409

Wells*Hydraulics*

Comprehensive discussion: Hantush, M. S. 01777

Jet pumps

Efficiency and design: Mueller, N. H. G. 00768

Petroleum

Fracture porosity: Drummond, J. M. 01321

Plugging

Bacteria control: Luthy, R. G. 01586

Pollution

Types of problems: Larson, T. E. 01474

Radial collector

Design and advantages: Spiridonoff, S. V. 00074

Records

Well water supply: King, R. M. 01954

Relief wells

Earth dams: Arnold, A. B. 01596

Sampling

Catalogue of Ontario wells: Sanford, B. V. 00011

Test

Measuring flow in the field: Johnson Drillers Journal. 00336

Measuring flow in the field: Johnson Drillers Journal. 01451

*Textbook: Jumikis, A. R. 02066**Waste disposal*

Case histories, industrial wastes: Donaldson, E. C. 01130

Pressure injection, Rocky Mountain Arsenal: Scopel, L. J. 01680

Water-level fluctuation

Brief discussion: Summers, W. K. 01747

Earthquake effects: Montgomery, Porter. 00820

Earthquake effects: Vorhis, R. C. 00945

Earthquake effects: Wilson, J. M. 00400

Measurement, air lines: Keith, H. L. 01820

Water-stage recorders

Candles for freeze-protection: Bennett, N. C. 01848

West Indies*Jamaica*

Surface-water quality, limnology: Hart, C. W., Jr. 00803

West Virginia*Cacapon River*

Effect of tree leaves on surface-water quality: Slack, K. V. 00139

Cheat Lake

Chemical and physical characteristics:

Corbett, R. G. 00460

Fernow Experimental Forest

Clearcutting, effect on runoff: Reinhart, K. G. 01770

Logging effects on water quality and erosion: Hornbeck, J. W. 00641

Floods

January-February 1957: U.S. Geological Survey. 01294

Ground-water studies

Data, 1964: Price, P. H. 02104

West Virginia*Mason County*

Anomalous drainage patterns, Kanawha River: Burford, A. E. 01344

Morgan County

Thermal springs, Berkeley Springs: Burford, A. E. 00459

Natural resources

Popular account: U.S. Department of the Interior. 00471

Ohio and Monongahela Rivers

Divide shifts: Fridley, H. M. 00461

Ohio County

Ground water: Robison, T. M. 01429

Saline water

Description and chemistry: Heck, E. T. 01019

Water resources

Bibliography: Gillespie, W. F. 01786

General discussion: Meyer, Gerald. 02224

Water investigations: Meyer, Gerald. 02223

Water Research Symposium, 1963: Dodson, C. L. 01785

Wisconsin*Central*

Water resources: Devaul, R. W. 02093

Dane County

Tritium tracing, Black Earth Creek basin: Carlston, C. W. 00809

Green Bay area

Ground-water conditions, 1950-60: Knowles, D. B. 00541

Water resources: Knowles, D. B. 00514

Lakes

Winter heat balance: Scott, J. T. 00470

*Physical geography: Black, R. F. 03009**Pollution control*

Agencies and legislation: Voigt, L. P. 00467

Portage County

Aquifer characteristics in glacial outwash:

Weeks, E. P. 01972

Wadsworth quadrangle

Flood inundation map: Noe'ire, A. W. 00127

Water resources

Summary: Holt, C. L. R., Jr. 03010

Waupaca County

Ground water: Berkstresser, C. F., Jr. 02085

Wisconsin River

River-basin planning and development:

Sheerar, L. L. 01035

Wyoming*Bighorn Basin*

Permeability, Tensleep Sandstone:

Bredehoeft, J. D. 00171

Cheyenne River basin

Weathering and transport of sediment: Rolfe, B. N. 00657

Crook County

Ground water: Whitcomb, H. A. 02022

Grand Teton National Park

Ground water, east of Jackson Lake:

McGreevy, L. J. 00574

Ground water

Investigations, cooperative, 1963-64: Gordon, E. D. 01700