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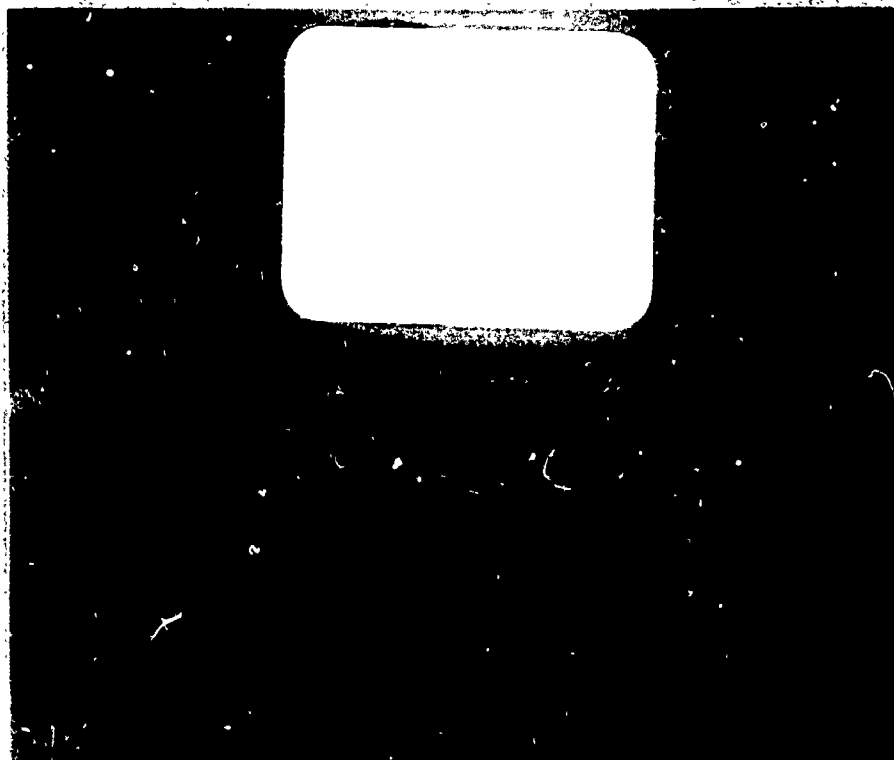
ABSTRACT

This bibliographic guide to water resources materials provides a guide to reference materials in the field. Of the 411 references to individual publications or services, 46 percent are government publications or services sponsored by government agencies. Reference materials reviewed include: guides to the literature; dictionaries; encyclopedias; thesauri; handbooks; statistical sources; atlases and maps; standards; bibliographies; annual review publications; information services; directories; selected federal government series; selected state publications; and serial lists. Author, key word subject, and selected title indices conclude this publication. (BT)

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# Water Resources

Valerie Hunter Raiston



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A Bibliographic Guide to Reference Sources

The University of Connecticut Library, Storrs  
Bibliography Series, Number 2

Institute of Water Resources

The University of Connecticut, Report Number 23



# Water Resources

Valerie Hunter Ralston

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January, 1975

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Bibliography Series, Number 2

Institute of Water Resources  
The University of Connecticut, Report Number 23

## FOREWORD

The need for water is universal. As a consequence, the literature concerning this vital resource is not only vast but distributed among a great variety of disciplines. During the past two years Mrs. Valerie Ralston has labored diligently to make this information more readily accessible to scholars.

In this endeavor she has had the constant encouragement of the Institute of Water Resources through its Executive Committee and my predecessor, Dr. William C. Kennard. The Institute is pleased and proud to have assisted in making this extremely useful document available to the public.

September 18, 1974

Victor E. Scottron  
Director

The Institute of Water Resources

## INTRODUCTION

During the fall of 1972 members of the Executive Committee of the Institute of Water Resources approached The University of Connecticut Library administration to determine how materials in their field, and especially publications of the other Water Resources Research Institutes around the country, were being handled by the Library. They were also interested in access to these materials as the numbers of publications were expected to increase markedly in the next few years.

As an outgrowth of these early conversations, the Library offered to put together a guide to water resources materials at The University of Connecticut Library. Bibliographic work was begun in early 1973 and completed in the spring of 1974. As the research progressed, emphasis was placed on providing a guide to reference materials and in this way outlining the literature of the field, rather than on producing a subject approach to individual items in the collection.

Upon completion, it was decided to omit repeated mention of The University of Connecticut Library collection as it was felt the bibliography might appeal to a wider audience. Very few references are included, however, which are not part of our collection. Call numbers (e.g. Ref Z7401 J4 1969), Superintendent of Document numbers (e.g. Govt. Pub. Dept. (1 19.13.1900)), and information necessary to locate materials in the Readex Microprint collection of non-depository U.S. government documents (e.g. non-depository microprint MC 72.15333 - Monthly Catalog of United States Government Publications 1972, item number 15333) are included in order to locate the material in the University of Connecticut Wilbur Cross Library collection.

Of the 411 references to individual publications or services, 46% are government publications or services sponsored by government agencies. This emphasizes the importance of the government both federal and state as far as the literature and the sponsoring of research is concerned.

I would like to thank the members of the Government Publications Department, my fellow Reference Librarians, and the other members of the Reference Department staff for their help and patience. It is hoped that this bibliography will serve as an educational resource for students, faculty and other researchers in the field of water resources.

V.H. Ralston  
September 5, 1974

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The publication of this report was supported by funds provided by the United States Department of Interior as authorized under the Water Resources Research Act of 1964, Public Law 88-379.



## Guides to the literature

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### AGRICULTURAL SCIENCES

- 1 Literature of agricultural research. J. Richard Blanchard and H. Ostvold. Berkeley and Los Angeles, Univ. of Calif. Pr., 1958.  
Ref Z5071 B5
- 2 Survey of abstracting services and current bibliographical tools in agriculture, forestry, fisheries, nutrition, veterinary medicine and related subjects. Edited by Sigmund v. Frauendorfer. Munchen, Basel, Wien, BLV Verlagsgesellschaft, 1969.  
Ref Z5071 A1 F66

### BIOLOGICAL SCIENCES

- 3 Botanical bibliographies, a guide to bibliographic materials applicable to botany. Lloyd H. Swift. Minneapolis, Burgess Pub. Co., 1970.  
Ref Z5351 A1 S8
- 4 Guide to the literature of the zoological sciences. Roger C. Smith and Reginald H. Painter. 7th ed. Minneapolis, Burgess Pub. Co., 1967.  
Ref Z7991 S5 1967

### BUSINESS

- 5 Encyclopedia of business information sources, a detailed listing of primary subjects of interest to managerial personnel, with a record of sourcebooks, periodicals, organizations, directories, handbooks, bibliographies, and other sources of information on each topic. Paul Wasserman, et al. Detroit, Gale Research Company, 1970. 2 v. v. 1: General subjects; v. 2: Geographic index.  
Ref index table E  
HF5353 E52 v. 1-2

#### Subjects of interest:

Fish industry  
Fisheries

Tunafish industry  
Waste products



Hydraulic engineering	Water
Hydraulics	Water conservation
Oceanographic industries	Water pollution
Oyster industry	Water power
Parks	Water purification
Pesticide industry	Water resources development
Salmon industry	Water supply
Sanitation industries	Water works
Shellfish industry	Wildlife conservation

## ENGINEERING

- 6 **Guide to literature on civil engineering.** Compiled by Rita McDonald. Washington, American Society for Engineering Education, Engineering School Libraries Division, 1972.  
Ref Z5851 M32
- 7 **How to find out about engineering.** S.A.J. Parsons. Oxford, N.Y., Pergamon Pr., 1972.  
Ref TA10 P37 1972
- 8 **A survey of indexing and abstracting services for water resources engineering.** Hans (Hanan) Wellisch. College Park, Md., Water Resources Research Center, (1972)  
Govt. Publ. Dept.  
(20 - W31.6:no. 11)

## ENVIRONMENT

- 9 **Annual directory of environmental information sources.** Edited by Charles E. Thibeau and Peter W. Taliaferro. 2d ed. Boston, National Foundation for Environmental Control, 1972.  
Ref HC110 E5 A7 1972
- 10 **Environmental information sources. engineering and industrial applications, a selected annotated bibliography.** Carole Schuidhauer. N.Y., Special Libraries Association, 1972.  
Ref Z5863 E57 S34

## GEOLOGICAL SCIENCES

- 11 **Geologic reference sources, a subject and regional bibliography to publications and maps in the geological sciences.** Dederick C. Ward and Marjorie W. Wheeler. With a section on geologic maps by Mark W. Pangborn, Jr. Metuchen N.J., Scarecrow Pr., 1972.  
Ref Z6031 W35 1972
- 12 **Guide to geologic literature.** Richard M. Pearl. N.Y., McGraw, 1951.  
Ref Z6031 P4

10

- 13 A guide to information sources in mining, minerals, and geosciences. Edited by Stuart R. Kaplan. N.Y., Interscience, 1965. Ref Z6031 K27

#### OCEANOGRAPHY

- 14 Oceanography information sources, a staff report. National Research Council, Committee on Oceanography. Washington, D.C., National Academy of Sciences, National Research Council, 1966. Ref GC37.5 N3

See also:

- 15 Pathfinders - two page guides to the literature in specific fields available at Ref Desk
- Civil engineering - Coastal engineering - beach erosion
  - Civil engineering - Ground water seepage
  - Civil engineering - Harbor design
  - Civil engineering - Salinity intrusion
  - Civil engineering - Sediment transport
  - Civil engineering - Water distribution systems
  - Pollution - Water pollution, biological filtration
  - Pollution - Water pollution, standards/legislation - U.S. 1965-
  - Wastewater treatment - Activated sludge process
  - Wastewater treatment - Electrodialysis
  - Wastewater treatment - Foam fractionation
  - Wastewater treatment - Sedimentation
  - Water pollution - Mercury
  - Water pollution - Monitoring water quality
  - Water pollution - Oil containment
  - Water pollution - Radioactive materials
  - Water pollution - Thermal pollution



## Dictionaries

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- 16 **Definitions of selected ground-water terms - revisions and conceptual refinements.** S.W. Lohman, et al. U.S. Dept. of the Interior, Geological Survey. Wash., D.C., GPO, 1972. (U.S. Geological Survey water-supply paper 1988)  
Govt. Publ. Dept.  
(I 19.13:1988)  
Includes symbols, tables and selected references.
- 17 **Dictionary of water and sewage engineering.** Compiled by Fritz Meinck and Helmut Möhle. Amsterdam, N.Y., Elsevier Pub. Co., 1963.  
Ref TD9 M34  
German, English, French, and Italian.
- 18 **Elsevier's dictionary of hydrogeology, in three languages, English, French, German.** Hans-Olaf Pfannkuch. Amsterdam, N.Y., Elsevier Pub. Co., 1969.  
Ref GB1003 P46
- 19 **Encyclopedia of geochemistry and environmental sciences.** Edited by Rhodes W. Fairbridge. N.Y., Van Nostrand Reinhold, 1972.  
Ref QE515 F24  
Contains a detailed subject index, bibliographies, and cross references.
- 20 **Encyclopedia of geomorphology.** Edited by Rhodes W. Fairbridge. N.Y., Reinhold Book Corp., 1968.  
Ref GB10 F3
- 21 **Encyclopedia of hydraulics, soil and foundation engineering.** Ernst Vollmer. N.Y., American Elsevier Pub. Co., 1967.  
Ref TC9 V6  
Appendix II: "Symbols used in soil and foundation engineering"  
Appendix III: "Recommended abbreviations"  
Appendix IV: "Conversion factors"

- 22 The encyclopedia of marine resources. Edited by Frank E. Firth. N.Y., Van Nostrand Reinhold, 1969.  
Ref SH201 F56 i1969  
Includes bibliographies, illustrations and maps.
- 23 Encyclopedia of oceanography. Edited by Rhodes W. Fairbridge. N.Y., Reinhold Pub., Co., 1966. Ref GC9 F3
- 24 Glossary. water and wastewater control engineering. Prepared by a joint editorial board representing the American Public Health Association, et al. Wm. T. Ingram, chairman. N.Y., American Public Health Assoc., 1969. Ref TD9 G55
- 25 Glossary of ocean science and undersea technology terms, an authoritative compilation of over 3,500 engineering and scientific terms used in the field of underwater sound, oceanography, marine sciences, underwater physiology and ocean engineering. Edited by Lee M. Hunt and Donald G. Groves. Arlington, Va., Compass Publishers, 1965.  
Ref GC9 H85
- 26 Glossary of oceanographic terms. with a list of sources. Edited by B.B. Baker, W.R. Deebel and R.D. Geisenderfer. U.S. Naval Oceanographic Office. 2d ed. Wash., D.C., GPO, 1966. (Special Publ. no. SP-35)  
Govt. Publ. Dept.  
(D203.22/3:35)  
In addition to the dictionary section, abbreviations, acronyms, and oceanographic institutions, agencies, activities and groups are listed.
- 27 Glossary of water resource terms. Olga Adler Titelbaum. Rockville, Md., U.S. Environmental Protection Agency, Water Programs Office, 1970.  
MC 73:24101  
non-depository microprint
- 28 Lake terminology. Jethro O. Veatch and C.R. Humphrys. East Lansing, Dept. of Resource Development, Agricultural Experiment Station, Michigan State University, 1964.  
551.482 V481
- 29 National catalog of practices and measures used in soil and water conservation. U.S. Dept. of Agriculture, Soil Conservation Service. Revised. Wash., D.C., GPO, 1959.  
Govt. Publ. Dept.  
(A57.2:P 88/959)

- 30 The New York Times encyclopedic dictionary of the environment. Paul Sarnoff. N.Y., Quadrangle Books, 1971.  
Ref TD173 S37  
Includes some charts, diagrams, and illustrations.
- 31 Standard encyclopedia of the world's rivers and lakes. Edited by Kay Gresswell and Anthony Huxley. N.Y., Putnam, 1966.  
Ref GB1203 G73 1966  
Includes illustrations and maps, both partly colored.
- 32 Technical dictionary of heating, ventilation, sanitary engineering, containing about 5,300 technical terms. Edited by Wolfgang Lindeke. Oxford, N.Y., Pergamon Pr., 1970.  
Ref TH9 T43  
Alphabetical sections in English, German, French and Russian giving word in other languages; no definitions.
- 33 Waste disposal dictionary. Walter E. Kaupert. N.Y., American Elsevier Pub. Co., 1966.  
Ref TD9 K3
- 34 Water and water use terminology. Jethro O. Veatch and C.R. Humphrys. Kaukauna, Wis., Thomas Print and Pub. Co., 1966.  
Ref TD392 V36
- 35 Waves, tides, currents, and beaches; glossary of terms and list of standard symbols. Robert L. Wiegel. N.p., Council on Wave Research, Engineering Foundation, 1953.  
Ref GC9 W5



## Encyclopedias

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- 36 **Encyclopedia of chemical technology.** Editorial Board. Herman F. Mark, chairman, J.J. McKetta, Jr., and D.F. Othmer. 2d ed. completely revised. N.Y., Interscience, 1963- 22v., plus supplement published in 1971. Index to v.1-22 and the supplement published in 1972. Ref TP9 E685
- 37 **McGraw-Hill encyclopedia of science and technology;** an international reference work. 3d ed. N.Y., McGraw-Hill, 1971. 15 v. Ref Q121 M3 1971  
Includes detailed index.

See also:

- 38 **Water encyclopedia,** a compendium of useful information on water resources. Edited by David Keith Todd. Port Washington, N.Y., Water Information Center, 1970. Ref TD351 T63  
Emphasis is on data rather than on discussion of information.



## Thesauri

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- 39 **Thesaurus of water resources terms**, a collection of water resources and related terms for use in indexing technical information. U.S. Dept. of the Interior, Bureau of Reclamation. Wash., D.C., GPO, 1971. Govt. Publ. Dept. (I27.2:T34)
- 40 **Water resources thesaurus**, a vocabulary for indexing and retrieving the literature of water resources research and development. U.S. Dept. of the Interior, Office of Water Resources Research. Wash., D.C., GPO, 1966. Govt. Publ. Dept. (I 1.2:W29/2)



## Handbooks

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- 41 **CRC handbook of environmental control.** Edited by Richard G. Bond and Conrad P. Straub. Cleveland, Ohio, Chemical Rubber Company, 1972-  
Ref TD145 C2 v.1-  
v.1: Air pollution  
v.2: Solid waste  
v.3: Water supply and treatment  
Sources and quality      Biological control in water  
Needs                      supply systems  
Quality criteria          Recreational waters  
Water treatment        Analytical methods  
Water distribution      Monitoring  
Detailed subject index provided, also includes list of acronyms and conversion factors.
- 42 **The complete ecology fact book.** Edited by Philip Nobile and John Deedy. Garden City, N.Y., Doubleday & Co., 1972.  
Ref TD174 N6  
Sections on population, endangered species, pollution, detergents, food, pesticides, non-renewable mineral wastes, solid wastes; includes a glossary and an index.
- 43 **Determination of fluoride pollutants in natural waters using known addition technique.** Theodore B. Warner. Wash., D.C., U.S. Defense Dept., Naval Research Office, 1970.  
MC 71:10084  
non-depository microprint  
\_\_\_\_\_. Change 1. 1971.  
MC 72:1982  
non-depository microprint
- 44 **Ground water and wells, a reference book for the water well industry.** Edward E. Johnson Inc. Saint Paul, 1966.  
628.11 J621g



- 45 **Handbook for analytical quality control in water and wastewater laboratories.** Analytical Quality Control Lab., National Environmental Research Center, Cincinnati, Ohio. U.S. Environmental Protection Agency, Technology Transfer. Wash., D.C., GPO, 1972. Govt. Publ. Dept. (EP7.8:W29)
- 46 **Handbook of applied hydraulics.** Edited by Calvin V. Davis. 3d ed. N.Y., McGraw-Hill, 1969. Ref TC145 D3 1969
- 47 **Handbook of applied hydrology, a compendium of water-resources technology.** Edited by Ven Te Chow. N.Y., McGraw-Hill, 1964. Ref GB661 C56
- 48 **Handbook of chlorination, for potable water, waste-water, cooling water, industrial processes and swimming pools.** George C. White. N.Y., Van Nostrand Reinhold, 1972. TD462 W47
- 49 **Handbook of hydraulics.** Horace W. King and Ernest F. Brater. 5th ed. N.Y., McGraw-Hill, 1963. 532.9 K582h 1963
- 50 **Hydrographic data book.** John C. Stevens. Revised by the staff of Leupold and Stevens Instruments, Inc. 7th ed. Portland, Ore., Leupold and Stevens, 1968. TC151 S74
- 51 **Industrial pollution control handbook.** Edited by Herbert F. Lund. N.Y., McGraw-Hill, 1971. TD897 I42
- 52 **Interfacial properties of water solutions.** John C. Berg. U.S. Dept. of the Interior, Office of Saline Water. Wash., D.C., GPO, 1971. (Research and development progress report 724) Govt. Publ. Dept. (I 1.88:724)
- 53 **A manual of sea water analysis, with special reference to the more common micronutrients and to particulate organic material.** J.D.H. Strickland and T.R. Parsons. 2d ed. rev. Ottawa, Fisheries Research Board of Canada, 1965. (Canada. Fisheries Research Board. Bulletin no. 125) Govt. Publ. Dept. (Can 1-Fi103:125)
- 54 **Manual on water.** American Society for Testing and Materials, Committee D-19 on Water. 3d ed. Philadelphia, ASTM, 1969. (ASTM special technical publication no. 442) TD353 A6 1969
- 55 **Municipal and rural sanitation.** V.M. Ehlers and E.W. Steel. 6th ed. N.Y., McGraw-Hill, 1965. 614 Eh56m 1965

- 56 Pesticide handbook. State College, Pa., College Science Publishers.  
Annual. Pharmacy Library  
SB951 P4 (1971 ed.)
- 57 Pollution control handbook. Park Ridge, N.J., Noyes Data Corp.,  
1970- TD172 P655
- 58 Register of dams in the United States, completed, under  
construction and proposed. Sponsored by the United States  
Commission of the International Commission on Large Dams.  
Compiled and edited by T.W. Mermel. N.Y., McGraw-Hill, 1958.  
Ref TC558 U6 M4  
Alphabetically arranged by name of dam giving location, year  
completed, type, structural height, length of crest, volume  
content of dam, reservoir name, reservoir capacity, purpose,  
installed power capacity, owner, engineering by, construction  
by, includes illustrations of dams, one hundred highest dams and  
list of reservoirs created by dams.
- 59 Saline water conversion, engineering data book. M.W. Kellogg Co.,  
Piscataway, N.J. U.S. Dept. of the Interior, Office of Saline  
Water. 2d ed. Wash., D.C. GPO, 1971.  
Govt. Publ. Dept.  
(1 1.77/2:Sa3/971)
- 60 Selected techniques in water resources investigations, 1965.  
Compiled by Glennon N. Mesnier and Edith Becker Chase. U.S.  
Dept. of the Interior, Geological Survey. Wash., D.C., GPO,  
1966. (U.S. Geological Survey water-supply paper 1822)  
Govt. Publ. Dept.  
(1 19.13:1822)
- 61 Solute properties of water. Sherril D. Christian and H.E. Affsprung.  
U.S. Dept. of the Interior, Office of Saline Water. Wash., D.C.,  
GPO, 1968. (Research and development progress report 301)  
Govt. Publ. Dept.  
(1 1.88:301)  
\_\_\_\_\_. Part 2. S.D. Christian. 1971.  
(1 1.88:706)
- 62 Standard handbook for civil engineers. Frederick S. Merritt. N.Y.,  
McGraw-Hill, 1968. Ref TA151 S8
- 63 Standard methods for the examination of water and wastewater.  
American Public Health Association. 12th ed. N.Y., 1965.  
543.3 Am 35 1s

- 64 **Structure and properties of water and aqueous solutions.** J.A. Barker and D. Henderson. U.S. Dept. of the Interior, Office of Saline Water. Wash., D.C., GPO, 1972. (Research and development progress report 773)  
Govt. Publ. Dept.  
(I 1.88:773)
- 65 **Techniques of water-resource investigations of the United States Geological Survey.** U.S. Dept. of the Interior, Geological Survey. Wash., D.C., GPO, 1967- Irregular.  
Govt. Publ. Dept.  
(I 19.15/5: book no./chap. no.)  
Published in sections called chapters. Each chapter deals with a specific aspect of the following topics:  
Book 2: Collection of environmental data.  
Book 3: Applications of hydraulics.  
Book 4: Hydrologic analysis and interpretation.  
Book 5: Laboratory analysis.  
Book 7: Automated data processing and computations.  
Book 8: Instrumentation.  
Indexing is provided in the Monthly Catalog, see no. 169 of this bibliography.
- 66 **Thermophysical properties of saline water.** Alexander Korosi and Bela M. Fabuss. U.S. Dept. of the Interior, Office of Saline Water. Wash., D.C., GPO, 1968. (Research and development progress report 363)  
Govt. Publ. Dept.  
(I 1.88:363)
- 67 **Thermophysical properties of water to 1,000°C and 10,000 bars.** C. Wayne Burnham, John R. Holloway and Nicholas F. Davis. Boulder, Colo., Geological Society of America, 1969. (Geological Society of America. Special paper no. 132)  
550.82 G292s no. 132
- 68 **Water and water pollution handbook.** Edited by Leonard L. Ciacchio. N.Y., M. Dekker, 1971-1973. 4v.  
TD380 W32
- 69 **Water encyclopedia, a compendium of useful information on water resources.** Edited by David Keith Todd. Port Washington, N.Y., Water Information Center. 1970. Ref TD351 T63
- 70 **Water quality and treatment, a handbook of public water supplies.** American Water Works Association. 3d ed. N.Y., McGraw-Hill, 1971.  
TD430 A6 1971

- 71 Water quality criteria. 1963. See no. 134 of this bibliography.  
Govt. Publ. Dept.  
(5-W32.5:3-A)
- 72 Water quality criteria data book. U.S. Environmental Protection Agency. Wash., D.C., GPO. (Water pollution control research series) 1970- Govt. Publ. Dept.
- v.1. Organic chemical pollution of freshwater. Arthur D. Little, Inc., 1970. (EP2.10:18010 DPV 12/70)
  - v.2: Inorganic chemical pollutants of freshwater. Arthur D. Little, Inc., 1971. (EP1.16:18010 DPV 7/71)
  - v.3: Effects of chemicals on aquatic life, selected data from literature through 1968. Battelle's Columbus Lab., 1971. (EP1.16:18050 GWV 5/71)
  - v.4: Investigation into recreational water quality. Byron J. Mechalas, et al. Aerojet General Corp., 1972. (EP1.16:18040 DAZ 4/72)
- 73 Water supply and sewerage. Ernest W. Steel. 4th ed. N.Y., McGraw-Hill, 1960. TD145 S8 1960
- 74 Water treatment, a guide to the treatment of water and effluents purification. George V. James. 3d ed. London, Technical Pr., Ltd., 1965. 628.16 J233w 1965
- 75 Water treatment data, a handbook for chemists and engineers in industry. William Michael Theodore Boby and G.S. Solt. London, Hutchinson, 1965. Ref TD430 B6
- 76 Water treatment for industrial and other uses. Eskel Nordell. 2d ed. N.Y., Reinhold Pub. Corp., 1961. 628.16 N753w 1961
- 77 Water well handbook. Keith E. Anderson. 2d ed. Rolla, Missouri, Water Well Drillers Association, 1950. 628.1 An23
- 78 Water well technology, field principles of exploration, drilling, and development of ground water and other selected minerals. Michael D. Campbell and Jay H. Lehr. N.Y., McGraw-Hill, 1973. TC405 C2



## Statistics sources

---

### Guides to Statistics Literature

- 79 American statistics index (ASI) annual, a comprehensive guide and index to the statistical publications of the United States government. Wash., D.C., Congressional Information Service, 1973-  
Govt. Publ. Dept. Office

This index is published in two parts with monthly supplements providing up-to-date coverage of statistics for each part. Part I: Index contains an index by subjects and names (e.g. Water pollution, Water resources development, Water supply, Environmental Protection Agency) and gives an appropriate number for locating the source of the statistic in Part II: Abstracts. Part I also contains an index by category. These 18 categories are in three sections. Geographic, Economic and Demographic. Within each of the categories statistics are grouped under standard subjects (e.g. Agriculture, Natural Resources and Conservation, and Recreation and Leisure). Again cross reference numbers are given for the source of the statistic in Part II: Abstracts. At the end of Part I there is an index by title and agency report number. Part II. Abstracts contains descriptions of the various department and agency statistical publications. A detailed table of contents permits this section to be used separately.

- 80 Statistics sources, a subject guide to data on industrial, business, social, educational, financial, and other topics for the United States and selected foreign countries. Paul Wasserman, Eleanor Allen and Charlotte Georgi. 3d ed. rev. Detroit, Mich., Gale Research Co., 1971. Ref Desk Z7551 S84 1971

Arranged by subject, listing statistical sources; contains a "Selected bibliography of key statistical sources" (p.9-14) by Janice McLean. Subjects of possible interest: Fish-catch, Fish

hatcheries, Fish killed by water pollution, Fish production and value, Fish supply, Fishing and hunting (recreation), Floods, Harbors, Lakes, Rainfall, Rivers, Snow, sleet - selected cities, Water, etc.

Statistics - Water

- 81 Basic statistics of the national inventory of soil and water conservation needs. U.S. Dept. of Agriculture, Conservation Needs Committee. Wash., D.C., GPO, 1962. (U.S. Dept. of Agriculture statistical bulletin no. 317)

Govt. Publ. Dept.  
(A1.34:317)

Contains data about four major aspects of United States agricultural land:

Land capacity

Land use - actual in 1958, expected in 1975

Conservation treatment needed on land in each land use

Small watershed projects needed

- 82 Climatological data. U.S. Dept. of Commerce, National Oceanic and Atmospheric Administration, Environmental Data Service. Wash., D.C., GPO, 1948-

Govt. Publ. Dept.  
(C55.214:vol. and no.)

Published monthly summarizing weather conditions for each state including:

General summary of river and flood conditions

Flood stage data - giving flood stage in feet, dates above flood stage, crest stage in feet, and date of crest

Maps showing: total precipitation, percentage of normal precipitation, total snowfall, percentage of mean monthly snowfall, depth of snow on ground on day near end of given month

Information is summarized by each state annually.

- 83 \_\_\_\_\_ . National summary. Wash., D.C., GPO, 1950-

Govt. Publ. Dept.  
(C30.51: vol. and no.)

Published monthly and cumulated annually, summarizes data including:

Flood losses for the current year, plus figures covering earlier periods of time

General summaries of river and flood conditions for the current year

- 84 Economic benefits from oceanographic research. a special report. National Research Council, Committee on Oceanography. Wash., D.C., National Research Council, National Academy of Sciences, 1964. (NRC Publ. 1228)

GC58 N3

- 85 Index of surface-water records to Sept. 30, 1970. U.S. Dept. of the Interior, Geological Survey. Wash., D.C., GPO, 1971. 16 pts. (U.S. Geological Survey circular 651-666)

Govt. Publ. Dept.

(I 19.4<sup>2</sup>:651-666)

Each of the 16 parts of the report covers a geographic area of the United States, e.g. Pt. 1: North Atlantic Slope Basins (I 19.4<sup>2</sup>:651). Each part is arranged alphabetically by place with an alphabetical index to streams, lakes, reservoirs, etc. at the end. For each surface-water area the following information is given:

Station number

Drainage area in square miles

Periods of record including: daily or monthly figures, annual peaks, low-flow measurements in water years

Records of streamflow from 1951-1960 are summarized in Water-supply papers 1721-1740, entitled "Compilation of records of surface waters of the United States, Oct. 1950 to September 1960." Each of these summaries lists earlier publications where more detailed information has been given. Records for 1961-1965 were published in Water-supply papers 1901-1937, see no. 93 of this bibliography.

- 86 Municipal water facilities. U.S. Dept. of Health, Education and Welfare, Public Health Service, Div. of Water Supply and Pollution Control, Basic Data Branch. Wash., D.C., GPO, 1958 and 1963 editions available each in 9v. with a statistical summary.

Govt. Publ. Dept.

(FS2.84<sup>3</sup>:date, vol. and date, sum.)

Each volume covers a definite region of the United States e.g. v.1: Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont. The publication inventories public water supply in the United States and includes the following data

which is arranged by region and then alphabetically by community:

- Population
- Year operation started
- Ownership
- Number of streams, number of meters
- Laboratory control
- Source of supply
- Safe yield
- Impounded (surface) maximum dependable drift (ground)
- Plant capacity and average plant output
- Treatment
- Improvements needed

The statistical summaries analyze the data by population areas and by state.

- 87 Municipal water facilities, communities of 25,000 population and over as of Jan. 1, 1964. U.S. Dept. of Health, Education and Welfare, Public Health Service, Div. of Water Supply and Pollution Control, Basic Data Branch. Wash., D.C., GPO, 1964. 1958, 1960, 1962 editions also available.

Govt. Publ. Dept.  
(FS2.84:964)

Information is arranged alphabetically by state with appendixes for some large metropolitan areas at the end. For each area covered the following information is given:

- Population
- Year operation started
- Ownership
- Number of services, number of meters
- Source of supply
- Storage, impounded and raw water
- Safe yield, impounded (surface) maximum dependable drift, ground water
- Transmission capacity
- Treatment
- Treatment plant capacity
- Plant output
- Average plant output
- Laboratory control
- Pumping capacity
- Raw and finished water



Distribution storage  
Will distribution system satisfy maximum demand  
Improvements needed  
Remarks

\_\_\_\_\_. Statistical summary. Govt. Publ. Dept.  
(FS2.84:964 sum)

Summarizes by state the information given in the basic report.

- 88 **Municipal yearbook, the authoritative resume of urban data and developments.** Wash., D.C., International City Management Association. Annual. Ref JS344 C5 A24 date

Covers both primary and secondary statistics. The detailed subject index includes entries under water and sewer programs, including experience with HUD programs, ranking regional council performance, and state matching funds for sewer services, water pollution, including federal grant-in-aid programs, and state actions affecting local government; also related information of possible interest under environmental protection headings.

- 89 **National water quality network.** U.S. Dept. of Health, Education and Welfare, Public Health Service. Wash., D.C., GPO, 1958-1962. 6v. Govt. Publ. Dept.  
(FS2.84<sup>2</sup>:date)

Data provided is for surface waters in the United States.  
Information given:

Radioactivity determinations  
Plankton populations  
Organic chemicals  
Chemical, physical and bacteriological analyses  
Flow data, Strontium 90  
Trace elements

Continued by "Water pollution surveillance system." See no. 97 below.

- 90 **Principal lakes of the United States.** Conrad D. Bue. U.S. Dept. of the Interior, Geological Survey. Wash., D.C., GPO, 1963. (U.S. Geological Survey circular no. 476)

MC 63:19304

non-depository microprint

This report is primarily a list of the approximately 250 fresh water lakes in the U.S. with a surface area o. 10 square miles or

more. Statistics on depth are given with brief narrative information. There is a discussion of the saline lakes of the Great Basin. A bibliography is included.

- 91 **Reservoirs in the United States.** R.O.R. Martin and Ronald L. Hanson. U.S. Dept. of the Interior, Geological Survey, Wash., D.C., GPO, 1968. (U.S. Geological Survey water-supply paper 1838) Govt. Publ. Dept. (I 19.13:1838)

Arrangement is alphabetically by state. Information given:

- Name of reservoir and stream
- Location
- Drainage area
- Dead storage
- Total storage
- Usable storage
- Storage ratio
- Use
- Date completed
- Owner or operator
- Notation of published storage records

A map of the U.S. showing drainage areas and basin index symbols is included. This publication supersedes Water-supply paper 1360-A, "Reservoirs in the United States" by N.O. Thomas and G.E. Harbeck, Jr. published in 1956.

- 92 **Statistical abstract of the United States.** U.S. Bureau of the Census. Wash., D.C., GPO. Annual. Govt. Publ. Dept. Current year (C3.134:date) Ref Desk

Published annually since 1878, this source is a summary of social, political and economic statistics of the United States. There is a detailed subject index. Statistics included for water are:

- Area
- Equipment, expenditures and shipments
- Population using fluoridated water
- Personal consumption expenditures
- Pollution including fish kill, ocean dumping, oil spills
- Water power including developed and undeveloped
- Electric energy generated by water, installed capacity of generating plants
- Transportation
- Use in U.S. manufacturing and industry

- 93 Surface water supply of the United States, 1961-65. U.S. Dept. of the Interior, Geological Survey. Wash., D.C., GPO, 1970. 37v. (U.S. Geological Survey water-supply paper 1901-1937)  
Govt. Publ. Dept.  
(I 19.13:1901-1937)

This 37 volume series of reports provides information on records of stage, discharge, and content of streams, lakes, and reservoirs in the U.S. during 1961-65. Each volume contains an index of gauging stations and includes maps. Volume 1 covers the North Atlantic Slope Basins. "Through September 30, 1960, the records of discharge and storage of streams and contents and stage of lakes or reservoirs were published in an annual series of U.S. Geological Survey water-supply papers entitled "Surface Water Supply of the United States." Prior to 1951, there were 14 volumes in the series; one for each of the 14 parts whose boundaries coincided with certain natural drainage lines within the conterminous United States. From 1951 to 1960, there were 20 volumes in the series, including one each for the States of Alaska and Hawaii." With the present report a new series has begun, which will be published every five years.

The publication history of the "Surface Water Supply of the United States" is outlined in the "Dictionary Catalog of the Water Resources Center Archives, University of California, Berkeley" v.5, p.122-124, see no. 195 of this bibliography.

- 94 Water and land resource accomplishments. U.S. Dept. of the Interior, Bureau of Reclamation. Wash., D.C., GPO, 1969-  
Govt. Publ. Dept.  
(I 27.55:date)

This report includes historical and current data on 17 western states:

- Acreage
- Yield
- Production
- Extension of irrigation to new lands
- Gross value of crops grown on all projects
- Multipurpose functions including municipal and industrial water use
- Public recreation
- Power
- Flood control

Summary tables are included which cover crop value and irrigation by region and states; acreage and crop value; cumulative crop values; and status of water users by type of farm and class of water service provided.

- 95 \_\_\_\_\_ . Statistical appendix. Wash., D.C., GPO, 1969-  
Govt. Publ. Dept.  
(I 27.55:date/app)

Contains crop production data for regional areas of the 17 western states and individual projects which are listed alphabetically. The crop production reports include data on:

- Acreage
- Yield
- Production and gross value of crops grown
- Land utilization
- Water distribution
- Status of reclamation lands
- Other related subjects

Tables of "Related data" are given at the end. The 1971 volume contains:

- Status of irrigable lands
- Irrigation and gross crop value data by region
- Distribution of farms by types of irrigation service
- Population served with project water
- Municipal, industrial, and other nonagricultural uses of project water
- Water distribution
- Sugar beet production on Federal Reclamation Projects
- Recreation areas on reclamation projects
- Utilization of recreation areas
- Utilization of acquired and withdrawn lands

- 96 Water data for metropolitan areas, a summary of data from 222 areas in the United States. Compiled by Wm. J. Schneider. U.S. Dept. of the Interior, Geological Survey. Wash., D.C., GPO, 1968. (U.S. Geological Survey water-supply paper 1871)  
Govt Publ. Dept.  
(I 19.13:1871)

Information is arranged alphabetically by state and then by geographic area. For each geographic area information given:

- Area
- Population

Hydrologic background  
Current data for surface water and water quality  
Current projects

References are included for further information. Tables included: Water-supply papers containing records of stream flow in the U.S., 1931-60; compilation of records of stream flow; Water-supply papers containing records of water levels and artesian pressure in observation wells in the U.S. 1935-57; Water-supply papers containing data on chemical analysis, sediment transport, and water temperature of streams in the U.S.; Water-supply papers containing records of flood stages, discharges, and areal runoff.

- 97 **Water pollution surveillance system, annual compilation of data, Oct. 1, 1962-Sept. 30, 1963.** U.S. Dept. of Health, Education and Welfare, Public Health Service, Div. of Water Supply and Pollution Control. Wash., D.C., GPO, 1963. 11v.  
Govt. Publ. Dept.  
(FS2.84<sup>2</sup>:963 vol.)  
Continues "National water quality network." See no. 89 above.

Statistics — Related to Water

- 98 **Agricultural statistics.** U.S. Dept. of Agriculture. Wash., D.C., GPO. Annual. Govt. Publ. Dept.  
(A1.47:date)  
Data is provided on agricultural production, supplies, population consumption, facilities, costs and returns. Information generally is retrospective to 1954-55, or most recent 10 years. Comparable data for earlier years can be found in the volume for 1967 which includes figures as far back as 1866 for some data. In the 1972 volume chapter 12 deals with "Agricultural conservation, pollution abatement, and forestry." Detailed subject index increases usefulness of this source.
- 99 **Construction review.** U.S. Dept. of Commerce, Bureau of Domestic Commerce. Wash., D.C., GPO, 1955- Monthly. Govt. Publ. Dept.  
(C41.30<sup>3</sup>:vol. number)  
Statistics include building permits, contract awards, and costs and prices related to the sanitation industry. Includes occasional articles on water and waste water treatment, etc. Issue no. 12 is titled "Annual Statistical Issue."

- 100 Fishery statistics of the United States, 1969. U.S. Dept. of the Interior, Fish and Wildlife Service, Bureau of Commercial Fisheries. Wash., D.C., GPO, 1972.

Govt. Publ. Dept.  
(C55.316:63)

This source has been published annually since 1962; prior to that surveys were made in 1908, 1931, 1950, 1954-60. Statistics are grouped first in a general review section and then by region, for example "New England Fisheries." A glossary and pictorial section are included at the end.

- 101 Hydroelectric plant construction cost and annual production expenses, 14th annual supplement, 1970. U.S. Federal Power Commission, Bureau of Power. Wash., D.C. GPO, 1972.

Govt. Publ. Dept.  
(FP1.21:220)

Data on "plant investment, annual production expenses, and related information for selected major hydroelectric plants" in the U.S. is given. An earlier publication (FPC publ. S-130) covered the period 1953-56. Subsequent annual publications extend coverage up to 1969, with the present volume coverage is completed for 1953-69 (17 years). Plants are listed by state with an alphabetical list of plants at the end.

- 102 Sewage and water works construction. U.S. Dept. of Health, Education and Welfare, Public Health Service. Wash., D.C., GPO, 1960-1964.

Govt. Publ. Dept.  
(FS2.56<sup>2</sup>)

\_\_\_\_\_. U.S. Dept. of the Interior, Federal Water Pollution Control Administration. Wash., D.C., GPO, 1965-1968.

Govt. Publ. Dept.  
(I 67.11:date)

Continued by the following reference.

- 103 Sewage facilities construction. U.S. Dept. of the Interior, Federal Water Quality Administration. Wash., D.C., GPO, 1969.

Govt. Publ. Dept.  
(I 67.11:date)

Economic and cost data provided. This series of reports ceased publication with this volume.

- 104 Shellfish situation and outlook. U.S. Dept. of Commerce, National

Oceanic & Atmospheric Administration. National Marine Fisheries Service. Wash., D.C., GPO, 1970-

Govt. Publ. Dept.

(C55.309/4:nos.)

Contains a summary of information on shrimps, scallops, northern lobsters, spiny lobster tails, west coast crabs, and the international shrimp market. Statistics given for each type of shellfish are:

- Supplies
- Landings
- Imports
- Inventories
- Prices
- Consumption
- Exports
- Outlook

The Jan. 1973 issue is titled "Shellfish Market Review and Outlook."



## Atlases and maps

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- 105 Atlas of industrial water use. A report to the Water Resources Council. Barry R. Lawson. Ithaca, N.Y., Cornell University, Water Resources Center, 1967. (Pub. no. 18)

Map Room

G3701 M1 L39 1967

"National maps and regional statistics of twenty-one major water-using industries" are provided. For each industry geographic concentration is shown on a map, and regional and national water use data is provided in billions of gallons. Other data: number of plants, intake, gross use, internal use, and source of supply.

- 106 Atlas of the living resources of the seas. Prepared by the Food and Agriculture Organization, Department of Fisheries. Rome, FAO of the UN, 1972.

Map Room

G2801 L1 F6 1972

Contains three types of maps. the first ten show the geographic distribution and present exploitation of living resources of the oceans, the second group of seven maps show fish migration, the third section of 45 regional maps show the geographical and vertical distribution of "main stocks in each ocean region." An alphabetical index of fish names is provided.

- 107 A descriptive atlas of the Pacific Islands. Thomas F. Kennedy. N.Y., Praeger, 1968.

G2860 K4 1968

- 108 EASTROPAC atlas. Edited by Cuthbert M. Love. U.S. Dept. of Commerce, National Oceanic and Atmospheric Administration, National Marine Fisheries Service. Wash., D.C., GPO, 1970.

Map Room

G2861 C7 E2 1970

Contains charts showing distribution of physical, chemical and



biological oceanographic properties and associated meteorological properties observed during the international investigation of the eastern tropical Pacific Ocean, EASTROPAC. The study was undertaken to help provide data for better use of marine resources, especially tropical tunas.

- 109 International hydrogeological map of Europe. Prepared by the International Association of Hydrogeologists and the Sub-Commission for the International Geological Map of the World. Scientific ed. H. Karrenberg. Hanover, Bundesanstalt für Bodenforschung and UNESCO, 1970-

Map Room  
G5701s C3.1,500/15

Scale: 1:1,500,000 66.5x90.5 cm.

- 110 Marine atlas of the Pacific coastal waters of South America. Merritt R. Stevenson, Oscar Guillen G. and Jose Santoro de Ycaza. Berkeley, Univ. of Calif. Pr., 1970.

Map Room  
G1701 S7 1970

Includes. Pt. 1. text describing "seasonal fluctuations in the Pacific coastal waters of South America"; Pt. 2. maps and charts illustrating station positions, temperature, salinity, density, oxygen, surface circulation and surface winds and barometric pressure. Surface, horizontal and vertical sections are included using a different color for each of the seven categories listed above.

- 111 The national atlas of the United States of America. Wash., D.C., U.S. Dept. of the Interior, Geological Survey, 1970.

Map Room                      Spec. Coll. Dept.  
G1200 U57 1970              2d copy

This atlas of 765 maps representing "physical features, historical evolution, economic activities, socio-cultural conditions, administrative subdivisions, and place in world affairs" is the result of many years of work, initial planning having begun in the early 1950's. Thematic maps or special subject maps are included for water, p.117-128:

Water resources (text)

Surface water - Runoff

Usable capacity of reservoirs

Floods and droughts

Ground water Productive aquifers and withdrawals from wells

Minerals in water Concentrations in surface and ground waters

Water impurities – Chemical types  
Sediment concentration  
Water use – Public supply, irrigation, fuel-electric power  
generation, other industrial  
Water resources (Alaska)

- 112 Oceanographic atlas of the International Indian Ocean Expedition. Klaus Wyrтки. With the assistance of Edward B. Bennett and David J. Rochford. Wash., D.C., GPO, 1971.

Map Room  
G2851 C7 W9 1971

Illustrated description of the structure and circulation of the Indian Ocean.

- 113 Oceanographic atlas of the Pacific Ocean. Richard A. Barkley. Honolulu, Univ. of Hawaii Pr., 1968.

Map Room  
G2861 C7 B3 1968

Presents results of more than 50 years of research on the Pacific Ocean especially emphasizing the "uppermost" mile of water, which contains the richest resources.

- 114 Serial atlas of the marine environment. American Geographical Society of New York. N.Y., 1962- Folio 1-

Map Room  
G1046 C7 A4

Presents results of American research on the physical oceanographic environment and the distribution of different animal species. The area emphasized is the continental shelf area of the North Atlantic and Arctic basins:

1. Sea surface temperature regime in the Western North Atlantic 1953-54. Robert L. Pyle. 1962.
2. North Atlantic temperatures at a depth of 200 meters. Elizabeth H. Schroeder. 1963.
3. A geographic study of the clam, *Spisula polynyma* (Stimpson) J. Lockwood Chamberlin and Franklin Stearns. 1963.
4. Surface water types of the North Sea and their characteristics. Taivo Laevastu. 1963.
5. North American sea stars (Echinodermata; Asteroidea) from Alaska to the Strait of Belle Isle. Edward H. Grainger. 1964.

6. Euphausiids and pelagic amphipods distribution in North Atlantic and Arctic waters. Maxwell J. Dunbar. 1964.
7. Surface circulation on the continental shelf off eastern North America between Newfoundland and Florida. Dean F. Bumpus and Louis M. Lauzier. 1965.
8. Zooplankton indicator species in the North Sea. James H. Fraser. The trace elements. Robert Johnston. 1965.
9. Meteorology of the North Sea. Frank E. Lumb. 1965.
10. Autumn distribution of groundfish species in the Gulf of Maine and adjacent waters, 1955-61. Raymond L. Frits. 1965.
11. Inorganic nutrients in the North Sea. Robert Johnston and Peter G. W. Jones. 1965.
12. Distribution of decapod crustacea in the Northwest Atlantic. Hubert J. Squires. 1966.
13. Distribution of the euphausiid crustacean *Meganycitiphanes norvegica* (M. Sars). John Mauchline and Leonard R. Fisher. 1967.
14. Distribution of North Atlantic pelagic birds. Robert Cushman Murphy. 1967.
15. Monthly sea temperature structure from the Florida Keys to Cape Cod. Lionel A. Walford and Robert I. Wicklund. 1968.
16. Mean monthly sea surface temperature and zonal anomalies of the tropical Atlantic. Paul A. Mazeika. 1968.
17. Shellfish of the North Sea. Pieter Korrynga. 1969.
18. Wildlife wetlands and shellfish areas of the Atlantic Coastal zone. George Spinner. 1969.
19. Water masses of the North Atlantic Ocean, a volumetric census of temperature and salinity. W.R. Wright and L.V. Worthington. 1970.
20. Gulf of Mexico, deep-sea fauna, Decapoda and Euphausiacea. W.E. Pequegnat, et al. 1971.
21. Average monthly sea-water temperatures, Nova Scotia to Long Island, 1940-59. John B. Colton, Jr. and Ruth R. Stoddard. 1972.

22. Chemistry, primary productivity, and benthic algae of the Gulf of Mexico. S.Z. El-Sayed, et al. 1972.
- 115 U.S. Geological Survey. Topographic maps. Wash., D.C., U.S. Geological Survey. Irregular. Map Room  
The maps cover all 50 states, American Samoa, Guam, Puerto Rico, and the Virgin Islands. The scales vary.
- 116 Water atlas of the United States. James J. Geraghty, David W. Miller, Frits Van der Leeden, and Fred L. Troise. Cartographers, Miklos Pinther and Robert S. Collins. Port Washington, N.Y., Water Information Center, 1973. Ref G1201 C3 W38 1973  
Contains 122 maps which provide an account of water resources in the United States. Thirty-six maps deal with Alaska and Hawaii. Topics covered include: "water pollution and quality, water conservation, water law, and water-based recreation." All maps are drawn to the same scale (4cm.=400 mi.). Text description is provided for each map. Some maps were developed by the authors and others taken from government and private sources. Access is through the table of contents.
- 117 Water for Nevada. hydrologic atlas. Nevada. Division of Water Resources. Carson City, Nevada, 1972.  
Map Room
- 118 Water resources development map. Compiled under the auspices of the Water Resources Council. Wash., D.C., U.S. Geological Survey, 1969. Map Room  
Scale: 1:3,168,000 48x65 in.
- 119 World atlas of agriculture. Prepared under the aegis of the International Association of Agricultural Economists. Monographs edited by the Committee for the World Atlas of Agriculture. Novara, Istituto Geografico De Agostini, 1969-  
Ref G1046 J1 W6  
v.1: Europe, USSR, Asia Minor. 1969.  
v.2: South and East Asia, Oceania. 1973.  
v.3: Americas. 1970.  
Each volume contains a general section followed by information about each country. physical environment and communications, population, exploitation of resources, ownership and land tenure, land utilization, crops and animal husbandry, agricultural economy, bibliography. Maps and statistical charts are included.

- 120 \_\_\_\_\_ . Land utilization maps and relief maps. Prepared by the Committee for the World Atlas of Agriculture. Novara, Istituto Geografico De Agostini, 1969. Ref G1046 J1 W6 maps

Outstanding colored maps are arranged by continent and then by region. They show the principal land use:

- |  |  |
|--|--|
| 1. Arable land                                     | 9. Sugar cane plantations                    |
| 2. Rice field                                      | 10. Market gardens, gardens, nursery gardens |
| 3. Meadow and permanent grassland                  | 11. Rubber plantations                       |
| 4. Coffee plantations                              | 12. Woods and forests                        |
| 5. Tea plantations                                 | 13. Virgin forest and jungles                |
| 6. Agave plantations                               | 14. Rough grazing land                       |
| 7. Spice plantations                               | 15. Reindeer grazing                         |
| 8. Fruit-trees, vineyards, bushes and orchard land | 16. Nonagricultural land                     |

Maps are 60x48 cm. some slightly wider; scale mostly 1:2,500,000 and 1:5,000,000.

#### MAPS - INDEXES

- 121 American Geographical Society of New York. Current geographical publications. N.Y., v.1- 1938- Ref Dept.

Indexes maps added to the collection of the American Geographical Society. Entries in the annual indexes with an asterisk indicate a map. This source serves to up-date the maps indexed by the following reference published in 1968.

- 122 American Geographical Society of New York. Map Department. Index to maps in books and periodicals. Boston, G.K. Hall, 1968. 10v. Ref Z6028 A5

Represents maps in one of the largest collections of "its land in the western hemisphere." Arrangement is by subject and by geographical-political divisions. Within geographical divisions arrangement is chronological. The principal periodicals indexed are listed at the front of volume 1. Volume 10, p.368-429, includes the following water related headings:

- |                     |                      |
|---------------------|----------------------|
| Water               | Water - movements    |
| Water - artesian    | Water - pollution    |
| Water - circulation | Water - purification |
| Water - composition | Water - quality      |
| Water - controls    | Water - reservoirs   |
| Water - drainage    | Water - runoff       |

Water – density	Water – salinity
Water – economy	Water – sheds
Water – flood control	Water – supply
Water – floods	Water – surface
Water – gauges	Water – table
Water – geysers	Water – temperature
Water – hardness	Water – underground
Water – line	Water – utilization
	Water – wells

Other headings of interest: Drainage, Hydrogeology, Lakes, Rivers, Ocean, Power – water, and Waterworks.

- 123 California. University, Berkeley. Bancroft Library. Index to printed maps. Boston, G.K. Hall, 1964. Ref Z6028 C17

Subject emphasis is the western half of North America including Mexico and Central America. The maps date from the 16th to the 20th century. For “water supply” one is referred to the names of cities, states, etc. with the sub-heading “water supply.”

- 124 Geologic maps, a contribution to “Geologic Reference Sources.” Mark W. Pangborn, Jr. (U.S. Geological Survey Library) In: “Geologic reference sources.” D.C. Ward and M.W. Wheeler. Metuchen, N.J., Scarecrow Pr., 1972, p.352-436.

Ref Z6031 W35 1972

“Selected bibliography of modern books and articles on maps and cartography. The geosciences are emphasized, bibliographic works on topographic mapping are largely omitted.” Classified arrangement is outlined in the table of contents.

- 125 U.S. Geological Survey. Publications of the Geological Survey. 1879-1961. Wash., D.C., GPO, 1964.

Govt. Publ. Dept.  
(I 19.14:date)

\_\_\_\_\_. 1962-1970. 1972.

See table of contents section “Maps and Charts.” Index is provided in cumulated and annual volumes by author, subject, and geographic area. Supplemented monthly and annually.



## Standards

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### AMERICAN PUBLIC HEALTH ASSOCIATION

- 126 American Public Health Association. Standard methods for the examination of water and sewage, . . . published jointly by the American Public Health Association and the American Water Works Association. 9th ed. N.Y., American Public Health Association, 1946.

Pharmacy Library

Ref QD142 A5 1946

- 127 American Public Health Association. Standard methods for the examination of water and wastewater, including bottom sediment and sludges. New York, 1st- 1905-

543.3 Am351s

### AMERICAN SOCIETY FOR TESTING AND MATERIALS

- 128 American Society for Testing and Materials. Annual book of ASTM standards. Philadelphia, Pa. Annual.

Ref TA401 A653 current edition

#### Sections of interest:

Pt. 33, Index to ASTM Standards

Pt. 23 Water: Atmospheric analysis

This part includes standards and test methods approved by ASTM; areas covered are general properties, inorganic and organic constituents, radioactivity, bacteriological examination, and water treatment materials. A glossary of terms related to water is included.

### AMERICAN WATER WORKS ASSOCIATION

- 129 American Water Works Association. AWWA standards. N.Y., 1941- Revised periodically.

The standards are also listed and revisions outlined in the

AWWA's Yearbook '73-'74 which is the main feature of the American Water Works Association, Journal September 1973, pt.2, see p. WSL 16-WSL 18. Individual standards may be purchased separately; prices and order information are given. For many standards reference is made to the first approved standard and place of its publication along with date of most recent revision. Many of the standards were first published in the Journal from v.1- 1914-

**GOVERNMENTAL AGENCY – U.S. Federal Government**

- 130** Manual for evaluating public drinking water supplies, a manual of practice. U.S. Environmental Protection Agency, Office of Water Programs, Water Supply Programs Division. Wash., D.C., GPO, reprinted 1971, published 1972. (Previously published in 1969 as Public Health Service publ. no. 1820)

Govt. Publ. Dept.  
(EP2.8:D83)

This report supersedes the "Manual of recommended water sanitation practice," published in 1946, long a standard reference. The report is designed to help officials determine whether or not public drinking water satisfies modern health requirements. Included are:

- "Sanitary survey and water treatment requirements"
- "Recommended sanitary requirements for water source protection and treatment"
- "Recommended sanitary requirements for water distribution systems"

References are included along with an appendix of excerpts from the U.S. Public Health Service drinking water standards.

- 131** Public Health Service drinking water standards. U.S. Dept. of Health, Education and Welfare, Public Health Service. Revised. Wash., D.C., GPO, 1962. (Public Health Service publ. no. 956)

Govt. Publ. Dept.  
(FS2.6<sup>2</sup>:W29/962)

Contents: Definition of terms, Source and protection, Bacteriological quality, Physical characteristics, Chemical characteristics, Radioactivity, Recommended analytical methods, Barium, and Appendix including data on chemicals in water.

- 132** Water quality criteria, report of the National Technical Advisory Committee (on Water Quality Criteria) to Secretary of the



Interior. U.S. Dept. of the Interior, Federal Water Pollution Control Administration. Wash., D.C., GPO, 1968.

Govt. Publ. Dept.  
(I67.2:W29<sup>3</sup>)

Covers "minimum water quality criteria, or numerical specifications of physical, chemical, temperature, and biological levels." This information obtained from introduction page of no. 133, Mercury section, below.

#### GOVERNMENTAL AGENCY – U.S. Federal and State

- 133 Water quality standards criteria digest, a compilation of Federal/State criteria. U.S. Environmental Protection Agency. Wash., D.C., GPO, 1972-

Among sections published are:

Antidegradation. 1972.	MC 73:28845 non-depository microprint Govt. Publ. Dept.
Bacteria. 1972.	(EP1.29:B13)
Mercury and heavy metals. 1972.	(EP1.2:M53)
Phosphates. 1972.	(EP1.29/2:P56)
Temperature. 1972.	(EP1.29/2:T24)

For further publications in this series see indexes to the Monthly Catalog, no. 169 of this bibliography.

#### GOVERNMENTAL AGENCY – U.S., State and Regional

- 134 Water quality criteria. Edited by Jack E. McKee and Harold W. Wolf. 2d ed. rev. Sacramento, California, California Resources Agency, State Water Resources Control Board, 1963.. (Publication no. 3-A)  
Govt. Publ. Dept.  
(5-W32.5:3-A)

This publication is "primarily a survey and evaluation of the literature and a compendium of data on water quality criteria." The appendixes at the end do include some standards for various states and regions:

- Appendix D. Classifications and standards of quality and purity (for New York).
- Appendix E. Classifications and water quality standards for North Carolina.
- Appendix J. Utah Water Pollution Control Board – The standards of quality and the regulations for water classification.

Appendix O. Minimum water quality criteria for streams in the Potomac River Basin.

Appendix Q. U.S. Public Health Service – Recommended sanitary requirements for water treatment systems.

Chapter III covers “Water quality criteria promulgated by State and Interstate agencies” including historical background, types and significance of criteria for water pollution control, Federal attitude toward criteria, a state by state account of agencies responsible and actions in this area, and a listing of interstate agencies. Chapter VI: “Potential pollutants,” chapter VII: “Biological pollutants,” and chapter IX: “Pesticides” list information alphabetically by chemical name, etc. giving handbook type description. Other actions include: Quality criteria for the major beneficial uses of water, Radioactivity, and Surface active agents. No detailed subject index. Tables, figures and appendixes are outlined in the table of contents.

See also:

- 135 Water quality standards summary (for various states)  
Govt. Publ. Dept.  
(EPI.29:CT)  
non-depository

GOVERNMENTAL AGENCY – International

- 136 International standards for drinking water. World Health Organization. 3d ed. Geneva, Switzerland, 1971.  
Govt. Publ. Dept.  
Foreign Doc. Room  
(WHO-2:In8<sup>3-971</sup>)

Standards for drinking water at international ports.

SEE ALSO:

Federal statutes dealing with water quality, for example:

- 137 Federal Water Pollution Control Act. 1948.  
Govt. Publ. Dept.  
(62 Stat. 1155)

In 1956 this act was extended and strengthened in:  
(70 Stat. 498)

Sets forth procedures for revising and upgrading water quality standards.

- 138 Guidelines for developing or revising water quality standards under the Federal Water Pollution Control Act amendments of 1972. U.S. Environmental Protection Agency, Water Planning Div., Planning and Standards Branch. Wash., D.C., GPO, 1973.  
Govt. Publ. Dept.  
(EP1.8:W29/97)
- 139 National water quality basic data program of the U.S. Public Health Service. R.C. Palange and S. Megregian. American Society of Civil Engineers, Proceedings (J. of the Sanitary Engineering Div.) v.84, #SA2, p.1601- 1 to 6 (April 1958)  
This paper outlines the long-range basic data collection program of the U.S. Public Health Service, including what information will be collected and how it will be collected, analyzed and disseminated.
- 140 Questions and answers on water quality standards. U.S. Environmental Protection Agency. Wash., D.C., GPO, 1972.  
MC 73:20209  
non-depository microprint
- 141 Standard handbook for civil engineers. 1968. Sect. 21, p.91-4  
Quality standards for water. Ref TA151 S8



## Bibliographies

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### INDEXING AND ABSTRACTING SERVICES

#### 142 Abstracts of North American Geology

1966-1971.

Wash., D.C., GPO. U.S. Dept. of the Interior, Geological Survey. Monthly, arranged alphabetically by author with subject index; includes "abstracts of technical papers and books and also citations of maps on the geology of North America including Greenland, the West Indies," Guam and other island possessions of the U.S. General articles by North American authors are cited even if published in foreign journals, however, foreign authors are cited only if published in North American journals. Cumulated volumes entitled, *Bibliography of North American Geology*, are available for the following periods: 1929-1939 (1v.), 1940-1949 (2v.), 1950-1959 (4v.); annual volumes available for 1960-1970. Both titles are shelved together in the Govt. Publ. Dept.

#### 143 Abstracts of Recent Published Material on Soil and Water Conservation

1949-

Wash., D.C., GPO. U.S. Dept. of Agriculture, Agricultural Research Service.

Irregular, classified arrangement with author index; detailed table of contents offers subject approach. These abstracts cover watershed management, water management, basic soil problems, erosion control, soil management, plant management, economic and social problems, soil surveys.

*Agricultural Index* see *Biological and Agricultural Index*, no. 153

#### 144 American Society of Civil Engineers. Cumulative Index to ASCE Publications

1961-

Ref TA1 A58 A51

Indexes are by subject and author.

First volume covers:

Its Proceedings v.76-85, 1950-59

Its Transactions v.100-124, 1935-59

Civil Engineering v.1-29, 1930-59

Second volume covers:

Its Journals (Proceedings) v.86-95, 1960-69

Its Transactions v.125-134, 1960-69

Civil Engineering v.30-39, 1960-69

Indexes to the Transactions for v.1-99, 1867-1934 are available also.

- 145 American Society of Civil Engineers. ASCE Publications Abstracts  
v.1. 1966-

N.Y., American Society of Civil Engineers.

Bimonthly; annotated bibliography with author and subject indexes, covering the ASCE journals and their Civil Engineering. The tables of contents are also included for the issues of the periodicals covered.

- 146 Applied Science and Technology Index  
1958-

N.Y., H.W. Wilson Co.

Monthly (except July) cumulated subject index to English language periodicals. Formerly the Industrial Arts Index 1913-1957. Cumulated annually.

- 147 Aquatic Sciences and Fisheries Abstracts  
v. 1- 1971-

London, Information Retrieval Ltd.

Monthly; classified arrangement with geographical, taxonomic, author and subject indexes, the indexes are cumulated annually.

The bibliography is compiled by the Food and Agriculture Organization of the UN with the assistance of Institut fur Dokumentationswesen, Frankfurt, Bundesforschungsanstalt fur Fischerei, Hamburg; INRA, Dept. d'Hydrobiologie, Biarritz; and Information Retrieval Ltd. Some 3,000 journals are covered as well as books, reports and conference papers. The main emphasis is on biology. Sections of interest:

Physical and chemical oceanography

Physical and chemical limnology

Ecology  
Pollution

This bibliography is a continuation of both **Current Bibliography for Aquatic Sciences and Fisheries and Aquatic Biology Abstracts**.

- 148 **Bibliography and Index of Geology** v.1- 1933-  
Ref Z6031 G4  
Boulder, Colorado, Geological Society of America in cooperation with the American Geological Institute.  
Monthly, classified and annotated bibliography with subject and author indexes. The annual cumulations contain all entries alphabetically arranged by author, without abstracts, followed by subject index. Up to 1968 excluded North America. (Formerly titled **Bibliography of Geology Exclusive of North America** from v.1-32, 1933-1968.)
- 149 **Bibliography of Agriculture** v.1- 1942-  
N.Y., CCM Information Corp.  
Monthly, index to the literature of agriculture and the allied sciences received in the National Agricultural Library. Published by the U.S. Dept. of Agriculture, 1942-69. Classified arrangement with subject, geographic, author and corporate author indexes, indexes cumulated each year. Coverage includes journal articles, pamphlets, government documents, reports and conference proceedings. Sections of interest:  
Water resources management  
General natural resources and environmental pollution  
**Bibliography of Geology Exclusive of North America** see **Bibliography and Index of Geology** no. 148 above
- 150 **Bibliography of North American Geology**  
1929-  
Wash., D.C., GPO. U.S. Dept. of the Interior, Geological Survey.  
Entries are arranged alphabetically by author with subject index. The following volumes are available: 1929-1939 (1v.); 1940-1949 (2v.), 1950-1959 (4v.), 1960-1970 (annual volumes).  
See also no. 142 of this bibliography.
- 151 **Bibliography of Soil Science, Fertilizers and General Agronomy**  
v.1- 1935-  
Ref Z5073 C76

Farnham Royal, Bucks, England, Commonwealth Agricultural Bureaux.

Published periodically, classified bibliography, not annotated, with a list of periodicals giving abbreviation and full title with place of publication, author and subject index at the end. This bibliography serves as a cumulated index to material covered by *Soils and Fertilizers*. (v.1: 1913-1934 publ. 1935; v.2: 1934-1937 publ. 1938; v.3: 1937-1940 publ. 1941; v.5: 1944-1947 publ. 1948; v.8: 1953-1956 publ. 1957; v.9: 1956-1959 publ. 1960; v.10: 1959-1962 publ. 1963. Univ. of Connecticut Library collection)

- 152 **Biological Abstracts**, reports the world's biosciences research  
v.1- 1927-

Philadelphia, Pa., BioSciences Information Service of Biological Abstracts.

Semimonthly; classified and annotated bibliography with author, biosystematic, generic, cross and keyword subject indexes. Indexes are cumulated twice a year. Covers journal articles, books, reports, conference and symposium papers.

- 153 **Biological and Agricultural Index** 1916-

N.Y., H.W. Wilson Co.

Monthly (except August) cumulated subject index to a selected list of English language periodicals. Cumulated annually. (Formerly entitled the *Agricultural Index* through August, 1964.)

- 154 **Business Periodicals Index** 1958-

N.Y., H.W. Wilson Co.

Monthly (except August) subject index, cumulated periodically, covers selected English language periodicals in the fields of accounting, advertising and public relations, automation, banking, communications, economics, finance and investments, insurance, labor, management, marketing, taxation, and specific businesses, industries, and trades. Subject headings for example.

Detergent pollution of water	Water
Fishes, effect of water pollution	Water, bottled
Mercury pollution of water	Water, underground
Oil pollution of rivers, harbors, etc.	Water companies
Petroleum waste	Water conditioning equipment

Pollution & pollution control industries	Water cooling
Ponds	Water pollution
Reservoirs underground	Water purification
Saline water conversion	Water resources development
Sewage disposal	Water rights
Tidal power	Water supply

Formerly entitled *Industrial Aris Index* 1913-1957.

**155 Chemical Abstracts key to the world's chemical literature**  
v.1- 1907-

Columbus, Ohio, American Chemical Society, Chemical Abstracts Service.

Weekly; classified arrangement with keyword subject index, numerical patent index, patent concordance and author index, cumulated indexes including a formula index published twice a year; collective indexes available for the following periods of time: 1907-1916; 1917-1926; 1927-1936; 1937-1946; 1947-1956; 1957-1961; 1962-1966; 1967-1971. Presently the bibliography appears in 80 sections: 1-20 biochemistry; 21-34 organic chemistry, 35-46 macromolecular chemistry; 47-64 applied chemistry and chemical engineering, 65-80 physical and analytical chemistry. Sections most pertinent:

60: Sewage and wastes

61: Water

The emphasis is on water chemistry, quality of drinking water and industrial water, treatment of sewage and effluents, and sea water desalination.

**156 Congressional Quarterly. Weekly Report**  
1945-

Wash., D.C., Congressional Quarterly Inc.

Weekly coverage of U.S. Congressional activities. Indexes are provided every 90 days and annually. In addition to a subject index there are also indexes to presidential texts, fact sheets and special reports, Senate and House roll-call votes, and vote corrections.

**157 Current Bibliography for Aquatic Sciences and Fisheries**  
v.1-17 1958-1971.

Continued by *Aquatic Sciences and Fisheries Abstracts*, no. 147 of this bibliography.



158 **Current Contents** Current volumes only retained  
Philadelphia, Pa., Institute for Scientific Information.

Weekly; reproductions of the tables of contents of selected journals with an author index at the end. Series of interest:

Current Contents - Agriculture, Biology & Environmental Sciences

Current Contents - Engineering and Technology

Current Contents - Life Sciences

Current Contents - Physical and Chemical Sciences

Journal issues covered in each weekly issue are outlined in the front, cumulated indexes of journal issues covered are provided periodically.

159 **Current Geographical Publications** v.1- 1938-

N.Y., American Geographical Society.

Ten issues per year, represents additions to the Research Catalog of the American Geographical Society and includes references to books, pamphlets, government documents, periodical articles and maps in the collection of the Society's Library. The arrangement is by the classification scheme used by the Society in its Research Catalog. Individual issues have no separate indexes, but the table of contents facilitates their use. A subject index with cumulated author and regional indexes is published annually. Sections of interest:

4: Physical geography

Soil erosion and conservation

Work of flowing surface water

River valleys

Work of subterranean water

Speleology

Karst

Work of (orin) standing water

Shore lines

Ice sheets; glaciers; ground ice and its work

44: Waters of the lands

Rivers; potomology

Floods

Lakes, limnology

Subterranean waters, including ground water

Springs, hot springs, geysers, etc.

Water pollution

- 45: Oceanography
  - Sea floor
  - Movement of sea water
  - Marine biology
- 53: Economic geography
  - Natural resources and industries based thereon
  - Conservation of natural resources
  - Land utilization
  - Comprehensive regional surveys, regional planning
  - Reserves, parks
  - Use of land for recreational purposes, tourism
  - Products of oceans, rivers and lakes; fisheries
  - Whaling

160 Deep-sea Research Oceanographic Abstracts and Oceanographic Bibliography Section v.9- 1962-

Oxford, N.Y., Pergamon Press.

Bimonthly, classified bibliography; annual author index provided but no annual subject index. Covers journal articles, reports, conference papers and books. (Vols. 1-8, entitled Deep Sea Research, did not contain an abstracts or bibliography section.)

Part 1. Oceanographic Bibliography, classified as follows:

- Physical oceanography
- Chemical oceanography
- Submarine geology and geophysics
- Marine meteorology
- Biological oceanography
- General – this section includes bibliographies, meetings glossaries, encyclopaedias, etc.

Oceanographic Abstracts

Contains abstracts arranged alphabetically by author for the items in Part 1. Oceanographic Bibliography.

Part 2. Similar to Part 1. except that it contains references received at a later date by the editorial office.

161 Engineering Index v.1- 1906-

N.Y., Engineering Index Inc.

Monthly, annotated bibliography, classified arrangement with author index, cumulated annually. Important for its comprehensive and international coverage. Covers journal articles, books,

reports, standards and conference papers. Selected subject headings:

- Rain and rainfall – cloud seeding
- Reservoirs
- Soils – conservation
- Water analysis
- Water bacteriology
- Water pollution
- Water resources
- Water supply
- Water treatment
- Watersheds

Environment Index see Environment Abstracts below

162 Environment Abstracts v.1- 1971-

N.Y., Environment Information Center, Inc.  
Semimonthly (except monthly in July and August) abstracting and indexing service covering published and nonprint materials on environmental pollution, conservation and related fields, each issue contains an "Issue Alert" section which is a "guide to significant information appearing" in each issue. The bibliographic section is classified by subject with subject, industry, and author indexes. Important environmental entries from the "Federal Register" are included, with a chronological list of conferences. Subjects of interest from "main entry" section:

- Chemical and biological contamination
- Environmental education
- Environmental design
- General
- Land use and misuse
- Non-renewable resources
- Oceans and estuaries
- Radiological contamination
- Renewable resources – treatment
- Renewable resources – water
- Water pollution
- Weather modification
- Wildlife

Cumulated annual indexes for 1971- are entitled the Environment Index. In addition to cumulating references (without abstracts), subject, industry, and author indexes the

**Environment Index** contains the following sections. review of the year's events, survey of legislation, list of major conferences, directory of control officials, environmental patents, books, films. Formerly entitled **Environment Information Access**.

- 163 **Eutrophication**, a bimonthly summary of current literature  
no. 1- March 1969.

Madison, Wisconsin, Univ. of Wisconsin, Water Resources Center.

Bimonthly, annotated bibliography classified into the following areas:

General

Limnological studies

Physical properties and characteristics of lakes

Chemical parameters

Biological indices

Models of aquatic ecosystems

Technological controls

Institutional controls and management programs

With no.26 Sept./Oct. 1971 each issue includes an author and subject index, there is a cumulated author and subject index for nos. 26-30, Sept./Oct. 1971-May/June 1972. Covers periodical articles, reports, conference papers, and conferences. Formerly entitled **Eutrophication Abstracts**.

- 164 **Geoscience Abstracts** v.1-7 1959-1965.

Wash., D.C., American Geological Institute.

Monthly, classified bibliography with author index, annual author and subject indexes. Covers geology, solid earth geophysics and related areas with an emphasis on North America. The subject approach is complicated by the use of UNIDEK, an approach to the subjects covered by a numerical system which must be consulted first in order to get the appropriate number for a given topic.

- 165 **Government Reports Announcements**  
v.1- 1940- title varies

Wash., D.C., GPO. U.S. Dept. of Commerce, National Technical Information Service.

Semimonthly, classified bibliography including abstracts, covers government sponsored research in science, technology, business and economics. These reports are made available through The

National Technical Information Service in microfiche or printed form. Subject fields of interest:

2. Agriculture
4. Atmospheric sciences
6. Biological and medical sciences
7. Chemistry
8. Earth sciences and oceanography
13. Mechanical, industrial, civil, and marine engineering

Until 1965, when Government Reports Index began publication, indexes were provided within the bibliography.

- 166 **Government Reports Index** v.1- 1965-  
Wash., D.C., GPO. U.S. Dept. of Commerce, National Technical Information Service.  
Semimonthly, index to the Government Reports Announcements, indexes are for corporate author, subject, personal author, contract/grant number, and accession/report number, titles are included in subject index to facilitate searching. Cumulated annually.
- 167 **Industrial Arts Index** 1913-1957.  
N.Y., H.W. Wilson Co.  
Subject index; continued by the Applied Science and Technology Index and the Business Periodicals Index.  
Meteorological Abstracts see Meteorological and Geostrophical Abstracts below
- 168 **Meteorological and Geostrophical Abstracts**  
v.1- 1950-  
Boston, Mass., American Meteorological Society.  
Monthly, classified bibliography with author, subject and geographical indexes. Covers periodical articles, books, reports, theses, conferences and conference papers, maps, atlases, and data compilations. Formerly entitled Meteorological Abstracts from 1950-1963. Sections:  
A - Environmental sciences  
B - Meteorology  
C - Astrophysics  
D - Hydrosphere/hydrology  
E - Glaciology  
F - Physical Oceanography

Selection of bibliographies which have been included in this publication:

- |                     |                                       |
|---------------------|---------------------------------------|
| Dew v.3,#4 (1952)   | Limnology v.12,#3 (1961)              |
| Frost v.4,#3 (1953) | Ocean waves & currents v.15,#5 (1964) |
| Hail v.1,#4 (1950)  | Precipitation v.10,suppl.2 (1959)     |
| Icing v.1,#9 (1950) | Soil moisture v.10,#3 (1959)          |

**169 Monthly Catalog of United States Government Publications**  
1928-

Wash., D.C., GPO.

Monthly, index to all Government Printing Office publications, arranged by agency and department with indexes for subject, author and title. The indexing is cumulated annually. Indexes are available to U.S. government publications going back to 1774. The Monthly Catalog is extremely important for searching the literature on water resources.

**170 Monthly Checklist of State Publications**  
v.1- 1910-

Wash., D.C., GPO. U.S. Library of Congress.

Monthly; arranged alphabetically by state and then by department or agency, an annual index by subject and state. Valuable for its coverage of Agricultural and Engineering Experiment Station publications and Water Resources Research Institute publications.

**171 Oceanic Abstracts** v.1- 1964- title varies

La Jolla, Calif., Pollution Abstracts Inc.

Published six times per year, classified, annotated bibliography covering all aspects of oceanic research. Each issue contains a "key alpha index," key word subject index and an author index; cumulated indexes are available as follows: v.1-4, '64-67 (subject); v.1-3, '64-66 (author); v.5-8, '68-71 (subject and author), v.9, 1972, entitled Oceanic Abstracts, Year End Index. Each issue also contains a "calendar of events," list of abbreviations, prefixes and symbols, and a list of acronyms. Serial publications, special publications and books are listed in each issue with the "master list" appearing in issue no. 1 for each year. Formerly entitled the Oceanic Index and the Oceanic Citation Journal. Present subject outline:

Biology/Fisheries

Geology/Meteorology/Oceanography

Acoustics/Optics/Positioning/Remote sensing

Desalination/Pollution  
Engineering/Materials  
Diving/Offshore/Deep sea  
Ships/Submersibles/Buoys  
Governmental/Legal

Oceanic Index see Oceanic Abstracts above

172 Oceanographic Index, Author Cumulation

1946-1970

Ref Z6004 P6 S434

Boston, G.K. Hall, 1971.

Three volume author index to periodical articles in the collection of the Marine Biological Laboratory Library at Woods Hole, Mass. Compiled by Dr. Mary Sears of the Woods Hole Oceanographic Institution. Literature is covered back to the turn of the century or earlier. This index serves as a supplement to the Catalog of the Marine Biological Laboratory, see no. 199.

173 Oceanographic Index, Regional Cumulation

1946-1970

Ref Z6004 P6 S436

Boston, G.K. Hall, 1971.

One volume regional index to periodical articles in the collection of the Marine Biological Laboratory Library at Woods Hole, Mass. Compiled by Dr. Mary Sears. See above reference for further comments.

174 Oceanographic Index, Subject Cumulation

1946-1971

Ref Z6004 P6 S44

Boston, G.K. Hall, 1972.

Four volume subject index to periodical articles in the collection of the Marine Biological Laboratory Library at Woods Hole, Mass. See no. 172 for further comments.

175 Pesticides Documentation Bulletin v.1-5 1965-1969; v.1 1970.

Silver Springs, Md., Network Information Services, Inc. (from 1965-69 published by U.S. Dept. of Agriculture, National Agricultural Library)

Monthly; classified bibliography with emphasis on the "ecological, physiological and epidemiological aspects of pests and their control by chemical, biological and integrated methods." Each issue has subject, author and organizational

indexes, cumulated indexes by author and subject are available through 1969. Subject outline:

- Entomology
- Crop protection
- Livestock protection
- Commodity protection
- Environmental contamination
- Residues
- Toxicology
- Plant physiology and biochemistry
- Chemistry
- Engineering
- Industry

**176 Pollution Abstracts** v.1- May 1970-

La Jolla, Calif., Pollution Abstracts Inc.

Bi-monthly, classified bibliography with author and "key-alpha," key word subject, indexes. The abstracts are grouped into a "non-technical" and a "technical" section:

Non-technical	Technical
Air pollution	Air pollution
Water pollution	Fresh water pollution
Land pollution:	Marine pollution
General pollution	Land pollution
	Noise pollution
	Sewage and waste treatment
	General pollution
	Contracts (topic, awardee, amount, date, subj. area of other contracts held by awardee)
	Patents

Each issue contains a "calendar of events," abbreviations, prefixes and symbols, and acronyms. A "master list" of serial publications, special publications and books appears in the first issue each year. Coverage is of all types of publication formats. Cumulated index available for 1970-71.

**177 Public Affairs Information Service Bulletin**

v.1- 1915-

N.Y., Public Affairs Information Service, Inc.

Weekly, subject index to journal articles, books, pamphlets,

57



government documents, etc. with an emphasis on economic and statistical aspects of public affairs. The index is cumulated quarterly and annually. Subject headings of interest:

- Water pollution
- Water resources development
- Water research
- Water supply
- Watersheds

178 Science Citation Index 1964-

Philadelphia, Pa., Institute for Scientific Information.  
Quarterly; calendar year index consisting of subject index, source index (personal and corporate author), and a citation index. The fourth quarterly issue is the annual cumulation. A five year cumulated source and citation index is available for 1965-69. This index is especially good for cross-disciplinary topics. Some fields covered: agriculture, biology, chemistry, ecology, fisheries, forestry, geology, geoscience and earth science, limnology, marine biology, meteorology, oceanography, physics, soil science, zoology. The indexing of footnotes, from journal articles covered by Science Citation Index, results in the "citation index" which enables one to learn whether or not a given reference is being used by researchers subsequent to its original publication. In this way a bibliography of references related to the original paper can be obtained very quickly. There is also a "patent citation index" listing domestic and foreign patents which are being cited in journals covered by Science Citation Index.

179 Selected References on Environmental Quality as it Relates to Health v.1- May 1970-

Wash., D.C., GPO. National Library of Medicine (MEDLARS)  
Monthly; subject and author index to selected articles from 2,200 journals in the biomedical field. Emphasis is on hazards to vertebrates and the insect carriers of disease. Articles on air and water pollution are listed under general rather than specific headings. No cumulated indexing available. Subject headings of interest:

- Environment
- Environmental exposure
- Environmental pollution
- Marine biology

Pesticides  
Sanitary engineering  
Sewage  
Tropical climate  
Water pollution

180 Selected Water Resources Abstracts v.1- 1968-

Wash., D.C., GPO. U.S. Dept. of the Interior, Office of Water Resources Research, Water Resources Scientific Information Center.

Semimonthly, classified bibliography containing abstracts with subject, author, organization and accession number indexes, indexes are cumulated annually. Coverage includes books, journal articles, reports, and other types of publications dealing primarily with the "water related aspects of the life, physical and social sciences as well as related engineering and legal aspects of the characteristics, conservation, control, use or management of water." This service is valuable for the input from the 51 Water Resources Research Institutes which were established under the Water Resources Research Act of 1964, from the grantees and contractors of the Office of Water Resources Research and other Federal water resources agencies, from "centers of competence," which have active programs of water resources research, and from established indexing and abstracting services. This is the most valuable bibliography for water resources since 1968. Subject outline:

Nature of water  
Water cycle  
Water supply augmentation and conservation  
Water quantity management and control  
Water quality management and protection  
Water resources planning  
Resources data  
Engineering works  
Manpower, grants, and facilities  
Scientific and technical information

181 Soils and Fertilizers v.1- 1938-

Farnham Royal, Bucks, England, Commonwealth Agricultural Bureaux.

Published six times per year; classified and annotated bibliography with author index. Annual cumulated author and

subject index. Includes periodically a list of bibliographies available from the Commonwealth Agricultural Bureaux, also includes a section of books, international in scope. Sections of interest:

8: Botany, ecology

7: Climate, geography, geology

26: Reclamation and conservation, drainage, irrigation

17: Soil mapping and survey, land classification

For cumulated indexing see Bibliography of Soil Science, Fertilizers and General Agronomy, Ref Z5073 C76, no. 151 of this bibliography.

182 Sport Fisheries Abstracts v.1- 1955-

Wash., D.C., GPO. U.S. Dept. of the Interior, Fish and Wildlife Service, Bureau of Sport Fisheries and Wildlife.

Quarterly; annotated bibliography with author and subject indexes; indexes are cumulated in the last number of each volume, which also contains a list of publications screened. Emphasis is on research and management but "articles on limnology, ecology, natural history and other fields are included when applicable to the conservation and management of sport fishery resources." There is a cumulated index for v.11-15 by author and subject.

183 Water Pollution Abstracts v.1-46 1928-1973.

London, H.M. Stationery Office.

Monthly, classified bibliography with abstracts prepared by the Water Pollution Research staff of the Department of the Environment. Annual author and subject indexes are provided. Coverage includes books, journal articles, reports, and conference papers. Classified sections include:

Conservation

Analysis and examination of water and wastes

Sewage

Trade waste waters

Effects of pollution

Valuable for its international coverage, oldest English language abstracting service emphasizing water pollution.

184 Wildlife Abstracts 1935-51; 1952-55; 1956-60

Wash., D.C., GPO. U.S. Dept. of the Interior, Fish and Wildlife Service, Bureau of Sport Fisheries and Wildlife.

"A bibliography and index of the abstracts in *Wildlife Review*."  
Classified arrangement, not annotated, with author and subject indexes.

185 *Wildlife Review*, an abstracting service for wildlife management  
v.1- 1935-

Wash., D.C., GPO. U.S. Dept. of the Interior, Fish and Wildlife Service, Bureau of Sport Fisheries and Wildlife.

Quarterly, classified and annotated bibliography of journal articles with author index. For cumulated indexing covering 1935-1960 see above reference, *Wildlife Abstracts*. Subject areas of interest:

General conservation

Wildlife

Natural areas and refuges

Pollution

Management and ecology of habitats and animals

Wetland & wildlife

Forest & ecology

Mammals

Birds

Reptiles & rodents

186 *World Agricultural Economics and Rural Sociology Abstracts*  
v.1- 1959-

Oxford, England, Commonwealth: Bureau of Agricultural Economics.

Quarterly, classified and annotated bibliography with author, subject and geographic indexes. Indexes cumulated annually. Starting with v.15,1973, the geographical indexes have been eliminated in each issue. Valuable for its international coverage. One can quickly scan for region by looking in subject index under water resources, water resources development, water resources distribution, water utilization, pollution, water. Subject sections covered (detail included when related to water resources research):

Agricultural economics

Agricultural policy

Land policy

Use and conservation

Survey and census methods

Location and regional policy

Structural policy  
 Infrastructure policy  
 Supply, demand and prices  
 Marketing and distribution  
 International trade  
 Finance and credit  
 Economics of production  
 Land  
 Improvement, irrigation, etc.  
 Cooperatives and collectives  
 Education, extension and research  
 Rural sociology

- 187 **World Fisheries Abstracts**, a quarterly review of technical literature on fisheries and related industries

v.1-23 1950-1972.

Publication ceased in 1972; fisheries material now included in **Aquatic Sciences and Fisheries Abstracts** (see no.147). The indexing consists of quarterly indexes by author and subject.

- 188 **Zoological Record** v.1- 1864-

London, Zoological Society of London.

Annual bibliography published in sections for each class from protozoa to mammals with a section for general zoology also. Each section has a separate title page, table of contents and indexes. The references are arranged by author. The most recent volume, v.107, covering the literature of 1970 (for the most part) began publication in 1973. Periodical literature is emphasized.

#### BIBLIOGRAPHIES OF BIBLIOGRAPHIES

There are so many specialized bibliographies that only a sampling will be included here. In order to locate the most pertinent bibliography the following sources would be helpful:

- 189 **Annotated bibliography of bibliographies on selected government publications ...** Alexander C. Body. Kalamazoo, Western Michigan Univ., 1967. Ref Desk Z1223 Z7 B65

\_\_\_\_\_. Suppl. 1-3- 1968-72-

The 1967 volume contains bibliographies added to the collection of Western Mich. Univ. Document Library from May

1963-June 1967. Subject indexes are contained in the main volume and supplements.

- 190 **Bibliographic index, a cumulative bibliography of bibliographies.** N.Y., H.W. Wilson Co., v.1, 1937/42- 1945- 2 issues/yr. plus annual cumulation. Ref Z1002 B594  
Subject index to bibliographies included in both books and journals, currently a bibliography must have 50 references in order to be indexed.
- 191 **Bibliography of bibliographies on water resources.** Olympia, Wash., State of Washington, Dept. of Ecology, Water Resources Information System, 1973. (WRIS information bulletin no.9)  
Govt. Publ. Dept.  
(47-W31<sup>1</sup>.3:9)
- 192 **Monthly catalog of United States government publications.** 1928-  
Govt. Publ. Dept.  
also. cumulated index to the Monthly catalog 1951-1960.  
Govt. Publ. Dept. Office  
By consulting the index for each volume under the subject heading "Bibliographies" one can scan the different bibliographies covered by subject and or key word.
- 193 **Selected water resources abstracts.** 1968- semimonthly, cumulated annually.  
Ref Room  
By consulting the index for each volume under the subject heading "Bibliographies" one can scan the different bibliographies covered by subject and or key word.
- 194 **Water Resources Scientific Information Center, WRSIC series.** Wash., D.C., U.S. Dept. of the Interior, Office of Water Resources Research, Water Resources Scientific Information Center, 1971- Irregular.  
The WRSIC series is a series of bibliographies produced under the computer-retrieval program of the Water Resources Scientific Information Center. These bibliographies are indexed by Selected Water Resources Abstracts, Government Reports Index and the Monthly Catalog of United States Government Publications.

Titles published to date: Govt. Publ. Dept.  
Published in 1971  
1. Phreatophytes (I 1.97: 71-200)

2.	Strontium in water	71-201
3.	Trace elements in water	71-202
4.	Urbanization and sedimentation	71-203
5.	Copper in water	71-204
6.	Manganese in water	71-205
7.	Magnesium in water	71-206
8.	Zinc in water	71-208
9.	Arsenic and lead in water	71-209
10.	Institutional aspects of water resources development	71-210
11.	DDT in water	71-211
12.	Legal aspects of drainage in New England	71-212
13.	Legal aspects of water pollution in New England	71-213
14.	Detergents in water	71-214

Published in 1972

15.	Dieldrin in water	72-202
16.	Aldrin and endrin in water	72-203
17.	Agricultural runoff	72-204
18.	Chromium in water	72-205
19.	Legal aspects of water pollution in Delaware, Maryland, and Virginia	72-206
20.	Mercury in water	72-207
21.	Soil nitrogen cycle	72-208
22.	Lake Erie	72-209
23.	Lake Huron	72-210
24.	Lake Michigan	72-211
25.	Lake Ontario	72-212
26.	Lake Superior	72-213
27.	Sanitary landfills	72-214
28.	Urban water planning	72-215
29.	Avalanches	72-216
30.	Legal aspects of water pollution in New Jersey and Pennsylvania	72-217
31.	A selected annotated bibliography on the analysis of water resource systems, Third Volume	72-218
32.	Subsurface water pollution. See no. 258 of this bibliography	

Published in 1973

33.	PCB in water	73-201
34.	Artificial recharge of groundwater	72-202
35.	Estuarine pollution	73-205

36.	Aeration of natural waters	73-206
37.	Oil spillage, 2v.	73-207
38.	Phosphorus removal, 2v.	73-208
39.	Cadium in water	73-209
40.	Aerial remote sensing	73-211
41.	Weather modification. precipitation inducement	73-212
42.	Irrigation efficiency	73-214
43.	Water reuse, 2v.	73-215
44.	Evaporation suppression	73-216
45.	Use of naturally impaired water	73-217
46.	A selected annotated bibliography on the analysis of water resource systems, Fourth Volume	73-218

Published in 1974

47.	Ozone in water and waste water treatment	74-204
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- 195 California. University. Water Resources Center. Archives. Dictionary Catalog of the Water Resources Center Archives, University of California, Berkeley. Boston, G.K. Hall, 1970. 5v.

Ref Z7935 C32

- \_\_\_\_\_. 1st supplement. 1971. 1v. Represents titles added to the collection from June 1970-June 1971.
- \_\_\_\_\_. 2d supplement. 1972. 1v. Represents titles added to the collection from July 1971-Nov. 1972.
- \_\_\_\_\_. 3d supplement. 1973. 2v. Represents titles added to the collection from September 1972-September 1973.

This bibliography includes publications of the Water Resources Research Institutes, reports of municipal, state, and federal agencies, other agencies, other reports, conferences and symposia, etc.

- 196 U.S. Department of the Interior Library. Dictionary catalog of the Department Library. Boston, G.K. Hall, 1967. 37v.

Ref Z881 U467 date



- \_\_\_\_\_ . 1st supplement. 1968. 4v.
- \_\_\_\_\_ . 2d supplement. 1971. 2v.
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- 197 U.S. National Agricultural Library. Dictionary catalog of the National Agricultural Library, 1862-1965. N.Y., Rowman and Littlefield, Inc., 1967-1970. 73 v.

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- \_\_\_\_\_ . National Agricultural Library Catalog, 1966-1970. Totowa, N.J., Rowman and Littlefield, 1972-1973. 12 v.

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- \_\_\_\_\_ . National Agricultural Library Catalog. v.6- Jan. 1971- N.Y., Rowman and Littlefield, 1971- Monthly.

Ref Z5076 U55

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References are alphabetically arranged by ship or expedition name.

- 199 Woods Hole, Massachusetts. Marine Biological Laboratory. Catalog of the library of the Marine Biological Laboratory and the Woods Hole Oceanographic Institution, Woods Hole, Mass. Boston, G.K. Hall, 1971. 12v. Ref Z881 W913

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(I 19.14:879-961)

- \_\_\_\_\_ . \_\_\_\_\_ . 1962-1970. publ. 1972.

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\_\_\_\_\_. \_\_\_\_\_. 1971- Annual. (I 19.14/4: date)

Author, subject, and geographic indexes.

Supplemented by:

\_\_\_\_\_. New publications of the Geological Survey. Monthly.  
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- 202 Bibliography of saline water conversion literature. J.J. Schamus, et al. U.S. Dept. of the Interior, Office of Saline Water. Wash., D.C., GPO, 1965.  
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(I.1.88:146)

### Drainage

- 203 Drainage of agricultural land, an annotated bibliography of selected references, 1956-1964. Charles B. Crook. U.S. Dept. of Agriculture, National Agricultural Library. Wash., D.C., GPO, 1968.  
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- 205 Environmental pollution, selective bibliography, information for business and industry. Clearinghouse for Federal Scientific and

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- 206 Selected bibliography of terrestrial, freshwater and marine radiation  
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- 207 Water-related environmental planning. George J. Sloss. Monticello,  
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#### Estuary

- 208 A preliminary bibliography with KWIC index on ecology of  
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- 211 Selected bibliography on evaporation and transpiration. T.W.  
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(I 19.13:1539R)

Covers Water-supply papers from 1800-1958.

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- 212 Annotated bibliography on Far Eastern aquatic fauna, flora and

fisheries. N.S. Romanov. Transl. from the Russian by B. Herskovitz and R.M. Ettinger. Jerusalem, Israel Program for Scientific Translations . . . 1966. Ref Z5974 S6 R63

- 213 Annotated bibliography on the fishing industry and biology of the blue crab, *Callinectes sapidus*. Marlin E. Tagatz and Ann Bowman Hall. U.S. Dept. of Commerce, National Oceanic and Atmospheric Administration, National Marine Fisheries Service. Wash., D.C., GPO, 1971. Govt. Publ. Dept.  
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- 227 Annotated bibliography on Great Lakes hydrology. Larry B. Buetikofer and Dale D. Meredith. Urbana, Ill., Univ. of Illinois, Water Resources Center, 1972. Govt. Publ. Dept.  
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- 241 *Bibliography of oceanographic publications*. Mark W. Pangborn, Jr. Wash., D.C., Interagency Committee on Oceanography, Federal Council for Science and Technology, 1963.  
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v.1: 1969. (32 - W31.3:25)  
v.2: 1971. (32 - W31.3:35)  
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- \_\_\_\_\_. Third quarterly issue (Jan.-Mar. 1971) 1971.  
(EP2.10:11024 FJE 04/71)
- \_\_\_\_\_. July 1970-June 1971. 1971 (EP2.10:11024 FJE 07/71)
- \_\_\_\_\_. July 1971-June 1972. Dorothy A. Sandoski. 1972.  
(EPI.23<sup>2</sup>:72-127)

- 274 Water plans for California; a bibliography. Dorothy Louise (Campbell) Culver Tompkins. Berkeley, Bureau of Public Administration, Univ. of Calif., 1961.  
Ref Z7935 T6
- 275 Water publications of state agencies. Edited by Gerald J. Giefer and David K. Todd, with the assistance of Mary L. Quinn. Port Washington, N.Y., Water Information Center, 1972.  
Ref Z7935 G55
- 276 Water resources development, 1950-1965: an international bibliography. Hanan Wellisch. Jerusalem, Israel Program for Scientific Translations, 1967. Ref Z7164 W2 W4
- 277 Water resources investigations in Connecticut. Connecticut. Dept. of Environmental Protection. Hartford, Conn., 1972.  
Govt. Publ. Dept.  
(7 - En8.8:972)

See also no. 194 (10,28,47) of this bibliography.

#### Watershed

- 278 The watershed as a resource management unit, a selected bibliography. Bruce Mitchell and Joan Mitchell. Monticello, Ill., Council of Planning Librarians, 1972. (CPL exchange bibl. no. 284)  
Ref Z5942 C68 no.284

#### Wetlands

- 279 The present and future status of eastern North Carolina wetlands, Arthur J. Hawley. Raleigh, North Carolina, Water Resources

Research Institute, Univ. of North Carolina, 1974. (Report no. 87)  
Govt. Publ. Dept.  
(33-W31.3 no.87)

Annotated bibliography on p. 135-169.

## DISSERTATIONS AND MASTERS THESES

### Bibliographic Sources

- 280 American doctoral dissertations. 1955-56- Ann Arbor, Mich.,  
University Microfilms, 1957- Ref Z5055 U49 A5  
low shelving opposite  
Ref. Office

Lists all United States doctoral dissertations, table of contents is only subject approach. Within each subject division items are arranged alphabetically by school, author index. Tedious to use with subject approach as headings are so general, for example: Agriculture - Forestry and Wildlife; Engineering, Civil; Engineering, Hydraulic, Engineering, Sanitary and Municipal, Environmental sciences, Geology; Hydrology; Limnology; Marine sciences, Oceanography, Water chemistry. Cumulatively indexed in "Comprehensive dissertation index," see no. 288 of this bibliography.

- 281 A bibliography of doctoral research on ecology and the environment (1938-1970). Ann Arbor, Mich., University Microfilms, N.d.  
Ref Dept. Pamphlet file  
Bibliography section -  
Dissertations

- 282 Bibliography of theses in geology, 1964. Compiled by Dederick C. Ward. Geoscience Abstracts v.7, #12:101-137(1965)  
Ref Room

Includes both PhD dissertations and masters' theses. Alphabetical arrangement by author with geologic and general indexes.

- 283 Bibliography of theses in geology 1965-1966. Dederick C. Ward and T.C. O'Callaghan. Wash., D.C., American Geological Institute, 1969.  
Ref Z6034 U49 W3

Classified arrangement with subject, author, and geologic names indexes. Includes PhD dissertations and masters' theses. Contains theses from 1964 not included in reference above.

- 284 Bibliography of theses in geology, 1967-1970. Edited by Dederick C. Ward. Boulder, Colo., Geological Society of America, 1973. (Geological Society of America special paper 143)  
Ref Z6034 U49 W32
- 285 Bibliography of theses on fishery biology. A compilation of graduate theses on fishery biology and related subjects. Edited by Robert M. Jenkins. Washington, Sport Fishing Institute, 1959.  
Ref Z5971 S6
- 286 ———. 1st supplement, 1959-1971. Edited by Robert G. Martin. Washington, Sport Fishing Institute, 1972.  
Ref Z5971 S6 1st suppl  
Classified arrangement by subject. Covers both PhD and masters' theses.
- 287 Bibliography of theses written for advanced degrees in geology and related sciences at universities and colleges in the United States and Canada through 1957. John and Halka Chronic and the Petroleum Research Corp. Boulder, Colo., Pruett Pr., Inc., 1958.  
Ref Z6034 U49 C46 1958  
Includes both PhD dissertations and masters' theses. Alphabetically arranged by author with geologic name and general indexes. Coverage is continued by nos. 282 to 284 of this bibliography.
- 288 Comprehensive dissertation index 1861-1972. Ann Arbor, Michigan, Xerox University Microfilms, 1973. 37v.  
Ref Dept.  
This unique index will be supplemented periodically. It consists of an author and subject approach to "virtually" all academic doctoral dissertations accepted in this country. Sources used in compiling this index. "Dissertation Abstracts International," "American Doctoral Dissertations," U.S. Library of Congress bibliography of dissertations covering 1912-1938, and direct information from all schools having doctoral programs prior to 1932 giving information on dissertations from the beginning of their programs up through 1935. Because CDI indexes "Dissertation Abstracts International," the foreign dissertations included there also appear.  
A subject search must start with the appropriate general topic and then proceed to the use of keywords within that area, for

example. v.14. Health and Environmental Sciences, p.875 - Environmental Sciences - then by keyword to e.g. lake, lakes, limnological, limnology, marshes, ocean, ponds, precipitation, reservoirs, sediment, water, waters, watershed.

- 289 **Dissertation abstracts international.** Ann Arbor, Mich., University Microfilms, 1938- v.1- Ref Z5055 U5 A53  
Previously called "Dissertation Abstracts," DAI is published monthly with author and keyword subject indexes, which are cumulated annually. It contains abstracts of doctoral dissertations from cooperating U.S. and foreign schools. A list of cooperating institutions is provided inside front and back covers of each issue. This list indicates date at which participation started. See above reference for cumulated indexing.
- 290 **Doctoral dissertations accepted by American universities.** 1933/34-1954/55. N.Y., H.W. Wilson Co., 1934-1955.  
Ref Z5055 U49 D6  
Continued by "American Doctoral Dissertations," no. 280.
- 291 **Masters' theses (accepted by U.S. colleges and universities in the fields of chemical engineering, chemistry, mechanical engineering, metallurgical engineering, and physics) in the pure and applied sciences.** 1955/56- West LaFayette, Indiana, Thermophysical Properties Research Center, Purdue University, 1957-  
Ref QC251 P8 date  
Arranged by discipline then alphabetically by school; no detailed subject index, includes Agricultural engineering, Chemistry, Civil engineering, Geology, Irrigation engineering, Marine engineering, Oceanography, and Sanitary engineering. References are not annotated.
- 292 **Theses on water submitted to universities in California through June 1969.** Mary Deane. Berkeley, Univ. of California, Water Resources Center Archives, 1971. (Archives series rpt. no. 22)  
Ref Z7935 D4  
Includes both PhD dissertations and masters' theses. Alphabetically arranged by author with an index including both place and subject.
- 293 **U.S. Library of Congress. Catalog Division. A list of American doctoral dissertations printed in 1912-1938.** Wash., D.C., GPO, 1913-1940. 27v. N.Y., Kraus Reprint Corp., 1965.  
Ref Z5055 U49 U5



See no. 288 for cumulated indexing.

See also:

There are many other bibliographies of dissertations which might be of interest. Examples:

- 294 A bibliography of dissertations in geography, 1901 to 1969. American and Canadian universities. Clyde E. Browning. Chapel Hill, University of North Carolina, Dept. of Geography, 1970.  
Ref Z6001 B89

Section 22 is on "Water Resources Geography." The bibliography is classified by subject with a geographic index.

- 295 Bibliography of wildlife theses; bibliographie des theses des animaux de la savagarie, 1900-1968. Julie Lee Moore. Los Angeles, Biological Information Service, 1970.  
Ref Z7994 G3 M6

Both PhD dissertations and masters' theses are included in classified arrangement as outlined in detail in the table of contents. Author and keyword subject indexes are provided. Appendix B lists sources used in compiling the bibliography.

- 296 A bibliography of dissertations, theses, and thesis alternatives in planning: 1965-1970. William W. Ray. Monticello, Illinois, Council of Planning Librarians, 1971. (CPL exchange bibl. no. 220)  
Ref Z5942 C68 no. 220

No subject index.

- 297 Graduate student research in planning, urban design, and urban affairs, 1970-1972. William W. Ray and Shelly Lynch. Monticello, Illinois, Council of Planning Librarians, 1973. (CPL exchange bibl. no. 355)  
Ref Z5942 C68 no. 355

No subject index.



## Annual review publications

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- 298 **Advances in ecological research** v.1- 1962-  
London, New York, Academic Pr.  
574.5082 Ad95
- Advances in environmental science and technology**  
see **Advances in environmental sciences**
- 299 **Advances in environmental sciences** v.1- 1969-  
New York, Wiley-Interscience  
TD180 A38
- 300 **Advances in hydrosience** v.1- 1964-  
New York, Academic Pr.  
551.49082 Ad95
- 301 **Advances in marine biology** v.1- 1963-  
London, New York, Academic Pr.  
574.92082 Ad95
- 302 **Advances in water pollution research, proceedings of the  
international conference** 1st- 1962-  
Washington, Water Pollution Control Federation  
TD420 A27
- 303 **Oceanography and marine biology; an annual review**  
London, Allen & Unwin v.1- 1963-  
551.46 Qc2
- 304 **Progress in oceanography** v.1-3 1963-65  
Oxford, New York, Pergamon Pr.  
551.46082 P943
- 305 **Progress in water technology** v.1- 1972-  
New York, Pergamon Pr.

v.1: Applications of new concepts of physical-chemical waste-water treatment. Edited by W.W. Eckenfelde. and L.K. Cecil.

FTD511 A66 1972

v.2: Phosphorus in fresh water and the marine environment. Edited by S.H. Jenkins and K.J. Ives. (previously published in: Water research v.7, pts.1-2(1973))

QH545 P5 P47 1973

v.3: Water quality: management and pollution control problems. Edited by S.H. Jenkins. (Jerusalem workshop papers)

TD365 W377 1973

306 Water. American Institute of Chemical Engineers  
1968-

New York, Am. Inst. Chem. Engrs.

TD365 A4

This publication is part of the Chemical engineering progress symposium series.

307 Water Pollution Control Federation. Annual literature review In. Water Pollution Control Federation, Journal, June issue.

The review is organized under the following topics. Nature and analysis of chemical species, Wastewater, treatment, Industrial wastes, Water pollution, and Administration. The coverage includes literature from both foreign and domestic journals. This feature of the Journal has been in existence since the early 1930s, and in 1968 it took up the entire June issue. Our collection is as follows:

Water Pollution Control Federation, Journal

v.32- 1960-

formerly

Sewage and industrial wastes

v.22-31 1950-59.

formerly

Sewage works journal

v.1-21 1928-49.



## Information services

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- 308 Water Resources Information Network**  
Computer literature searches are available to the public through terminals located at the following three centers. The data base is that represented by Selected Water Resources Abstracts, provided by the U.S. Dept. of the Interior, Office of Water Resources Research, Water Resources Scientific Information Center, Wash., D.C.
- 309** Northeast Water Resources Information Terminal (NEWRITE)  
Engineering Library  
Cornell University  
Ithaca, New York 14850  
telephone A/C 607, 256-4318
- 310** Southern Water Resources Scientific Information Center  
D.H. Hill Library  
North Carolina State University  
P.O. Box 5007  
Raleigh, North Carolina 27607  
telephone A/C 919, 755-2683
- 311** Water Resources Center  
University of Wisconsin  
1975 Willow Drive  
Madison, Wisconsin 53706  
telephone A/C 608, 262-3577
- 312** U.S. Geological Survey  
Water Resources Division  
National Water Data System  
18th and F Streets, NW  
Washington, D.C. 20242  
telephone A/C 202, 343-9425

Card services; data collection and analysis; and reference service. Data base is records of observations from streamflow gauging stations, water quality measuring stations, and observation wells operated all over the country by the Geological Survey. Data covers "surface water state and discharge; chemical quality parameters, radiochemical sediment; pesticide and certain biological concentrations in water; ground and surface water levels; geologic data describing the framework in which ground water occurs; flood frequency and flood inundation mapping." Cf. Kruzas, "Encyclopedia of Information Systems and Services," p.648.

- 313 University of Rhode Island  
New England Marine Resources Information Program  
Narragansett Bay Campus  
Narragansett, Rhode Island 02882  
telephone A/C 401, 792-6211

Manual literature searches, reference and referral services. Data base is published literature and research reports, scope. "marine resources development, including factors fostering or hindering development of food and drug resources, minerals, oil, shipping, recreation, research, education, ocean engineering, coastal zone development, and marine-related business." Cf. Kurzas, "Encyclopedia of Information Systems and Services," p.848.



## Directories

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### Organizations, Agencies, Companies

- 314 **Conservation directory.** National Wildlife Federation. Washington, 1973. Ref SK361 N34
- 315 **Directory of environmental organizations for Connecticut, Maine, Massachusetts and New Hampshire, Rhode Island, Vermont.** U.S. Environmental Protection Agency, Region I. Boston, Mass., 1973. Govt. Publ. Dept. (76-N42.6:973)
- 316 **Directory of government agencies safeguarding consumer and environment.** 5th ed. Alexandria, Va., Serina Press, 1974. Govt. Publ. Dept. GPD HC110 C6 D5
- Agencies are arranged alphabetically by state within sections on various subjects e.g. Land sales regulation, Water pollution control, Solid waste management. Jurisdictional maps are included at the end.
- 317 **Directory of national trade and professional associations of the United States and labor unions.** Edited by Craig Colgate, Jr. Wash., D.C., Columbia Books, Inc. Annual. Ref Desk HD2425 D53 date current ed.
- Alphabetical arrangement with executive and key word indexes. Key words for example: Agronomy, Biology, Botany, Conservation, Consultants, Fish and fisheries, Geologists, Hydraulics, Limnology, Oceanography, Pollution, Sanitation, Water, Waterways.
- 318 **Directory of nature centers and related environmental education facilities.** National Audubon Society, Nature Center Planning

- Division, New York, 1971. Ref QH51 N37  
 Alphabetically arranged by state giving brief description of programs offered and for what age group.
- 319 Encyclopedia of associations. 8th ed. Detroit, Gale Research Co., 1973. 3v. Ref Desk HS17 G3342  
 v.1: National organizations of the United States.  
 v.2: Geographic and executive index.  
 v.3: New associations and projects.
- 320 Encyclopedia of information systems and services. Anthony T. Kruzas. Ann Arbor, Mich., Edwards Brothers, 1971. Ref Desk AG521 K78  
 Alphabetical arrangement. A subject index is provided: e.g. Hydrology, Marine biology, Oceanography, Shores and beaches, Water pollution, Water resources, Water treatment, Waterways.
- 321 Fishing industry index international 1971. The international reference book and directory of the fishing and fish industries. London, Haymarket Publ. Ltd., n.d. Ref SH401 F57  
 Contains chapters on. World developments; Communist countries, Multilingual dictionary of fish names, Encyclopedia of fish varieties, Fisheries research in 1969; Shellfish and crustaceans on the market. The directory section includes an international list of producers, processors, distributors and other related companies.
- 322 National reference list of water quality stations, water year 1970. U.S. Dept. of the Interior, Geological Survey, Water Resources Div. Wash., D.C., GPO, 1970. MC 70:14532  
 non-depository microprint
- 323 1971 directory of national organizations concerned with land pollution control. N.Y., Freed Pub. Co., 1971. Ref TDI73.5 N55  
 Alphabetical arrangement of organizations with a section of U.S. government executive departments and independent agencies.
- 324 1971 directory of state agencies concerned with land pollution control. N.Y., Freed Pub. Co., 1971. Ref TDI73.5 N57
- 325 Scientific, technical, and related societies of the United States. 9th ed. Wash., D.C., National Academy of Sciences, 1971. Ref AS15 H3 9th 1971

- 326 **Water engineer's handbook 1973.** Edited by D. Wilkinson and N. Squire. London, Fuel and Metallurgical Journals Ltd., 1973.  
Ref TD201 W33 1973
- This directory lists water services reorganization in England, Wales, and Northern Ireland, water undertakings, waterworks statistics, lists of water related boards, authorities, etc.
- 327 **Water Pollution Control Federation directory.** In: Water Pollution Control Federation. Journal. March issue pt.2.
- Includes list of consultant firms and companies that are members of the Federation.
- 328 **World directory of environmental organizations.** *Annuaire mondial des organismes de l'environnement.* Edited by Thaddeus C. Trzyna with the assistance of Eugene V. Coan, Patricia Rambach and Carol Weiss. Preliminary edition. Claremont, Calif., Sierra Club in association with the Center for California Public Affairs. 1973.  
Ref S920 W67

#### People

- 329 **American men and women of science, formerly American men of science.** A biographical directory founded in 1906. Edited by the Jaques Cattell Press. 12th ed. The Physical and Biological Sciences. N.Y., London, Jaques Cattell Press/R.R. Bowker Co., 1971. 6v.  
Ref Biog. Q141 A47
- 330 **\_\_\_\_\_ . Discipline index, the physical and biological sciences.** N.Y., London, Jaques Catell Press/R.R. Bowker Co., 1973.  
Ref Biog. Q141 A47 index
- 331 **American Water Works Association. Directory of consultant members.** In: American Water Works Association. Journal. AWWA's Yearbook issue '73-'74 p. BG-39-BG67 (1973)
- Alphabetical and geographical lists, foreign members included.
- 332 **Directory of faculty engaged in water research at Connecticut universities and colleges.** William C. Kennard and M.B. Williams. Storrs, Connecticut, Institute of Water Resources, University of Connecticut, 1972. (Report no. 17)  
Govt. Publ. Dept.  
(7-W29.3:17)
- Faculty listed alphabetically and by institution.



- 333 **Directory of pollution control officials.** In. The Environment Index 73, p.32-41.  
 Gives "names and addresses of EPA regional administrators, interstate commissions, international commissions, and state pollution control officers." shelved with **Environment Abstracts**
- 334 **Directory of state control officials.** In. The Environment Index 72, p.36-43.  
 Gives names and addresses of officials of environmental control agencies of state governments. Arrangement is alphabetical by state within the subject areas. air pollution, pesticides, radiation, solid waste, and water pollution. This information will be updated in **Environment Information Access**, now entitled **Environment Abstracts**. shelved with **Environment Abstracts**
- 335 **Directory of the Water Pollution Control Federation.** In. Water Pollution Control Federation. Journal, March 1972, part 2.  
 Published biennially. Serial stacks  
 Lists individual members and consultant members giving address, names of principal water pollution control engineers and other specialists, and types of services provided by each firm. Associate or corporate members and consultant members are listed each year in the March issue part 2.
- 336 **Who is publishing in science.** An international directory of research & development scientists. Philadelphia, Pa., Institute for Scientific Information, 1971- Annual.  
Ref Biog. Q145 W567 date  
 Current ed.  
 Lists authors alphabetically with addresses. Also lists organizations with addresses and provides a geographic breakdown by author. This source is made up of first authors of papers covered by the various editions of Current Contents. Beginning in 1973 the names of authors and organizations publishing papers indexed by Science Citation Index are also included.
- See also:  
 Other biographical dictionaries for given countries or subject areas. Also helpful are membership directories for individual professional societies.  
 Examples:

- 337 Who's who in America. 37th ed. 1972-1973. Chicago, Ill., Marquis Who's Who, Inc., 1972. 2v. Ref Desk E663 W56 v.37
- 338 Dictionary of scientific biography. Edited by Charles Coulston Gillispie. N.Y., Charles Scribner's, 1970.  
Ref Biog. Q141 D5 v.1-  
Emphasis is on the history of science, excellent biographical information with extensive bibliographies of the individual's publications.
- 339 American Fisheries Society. Membership directory. 1972. Wash., D.C., American Fisheries Society, 1972.  
Ref Biog. SH1 A534 1972  
In order to learn how senators and congressmen have voted on water and/or environmental issues, one might consult:
- 340 Ralph Nader Congress Project. Citizens look at Congress. N.Y., Grossman, 1972. 9v. Ref JK1030 A3 R3  
Contains profiles of senators and congressmen alphabetically arranged by state. Includes key floor votes.

#### Research Centers & Research Projects

- 341 Annual directory of environmental information sources. Edited by Charles E. Thibeau and Peter W. Taliaferro. 2d ed. Boston, Mass., National Foundation for Environmental Control, 1972.  
Ref HC110 E5 A7 1972  
Covers U.S. government agencies and departments, legislative committees, independent agencies, citizens, professional, trade, and educational organizations.
- 342 Catalog of information on water data. Indexes to the four sections. Water quality, Surface water, Ground water, and Areal investigations and miscellaneous water data activities. U.S. Dept. of the Interior. Geological Survey, Office of Water Data Coordination. Wash., D.C., GPO, 1970. 2v.  
Govt. Publ. Dept.  
(I 19.2:W29/13.970;12-970)  
Shows where water data is being collected in the U.S. on a continuing basis. Identifying and locating the agency station, type of site e.g. stream, lake, estuary; period of time that records have been kept; how data is stored; types of data recorded. Both federal and non-federal agencies are included.

This title began publication in 1966; new editions will be published as significant changes warrant them.

- 343 **Directory of hydrobiological laboratories and personnel in North America.** Edited by Robert W. Hiatt with the cooperation of Arthur D. Hasler, et al. Honolulu, Univ. of Hawaii Press, 1954.  
Ref QH323 N6 H5

Alphabetical arrangement of laboratories giving scope of activity, major research and teaching facilities, equipment, scientific staff, financial support.

- 344 **Directory of information resources in the United States. water.** U.S. Library of Congress, National Referral Center for Science and Technology. Wash., D.C., GPO, 1966.

Ref Office TD211 U5

Alphabetical list of organizations and institutions engaged in fresh water research with subject and organization indexes. Areas of interest, holdings, publications, information services and other services are included. Commercial and profit making organizations are excluded.

- 345 **Directory of reclamation projects, divisions or units operated partly or entirely by water users.** Wash., D.C., U.S. Dept. of the Interior, Reclamation Bureau, 1968

MC 69:4907

non-depository microprint

- 346 **Directory of water pollution research laboratories.** Organization for Economic Cooperation and Development, Paris, 1965.

Govt. Publ. Dept.

(OECD - 2:D62)

- 347 **Hydraulic research in the United States, including contributions from Canadian Laboratories.** Edited by Gershon Kulin and Pauline H. Gurewitz. U.S. Dept. of Commerce, National Bureau of Standards. Wash., D.C., GPO, 1971. Biennial. (NBS special publ. 346)

Govt. Publ. Dept.

(C13.10:346)

Presents summaries of hydraulic and hydrologic research and other fluid mechanics research of related interest. University, state, federal, and industrial research is covered. A detailed subject index is provided and also a list of contributing laboratories. Earlier editions have been published annually from 1933-66 (with a few exceptions), and since then it has been published biennially.

- 348 Industrial research laboratories of the United States. Edited by Jaques Cattell Press. 13th ed. N.Y., London, Jaques Cattell Press/R.R. Bowker, 1970. Ref T176 I65  
Alphabetical arrangement with personnel, geographic and subject indexes.
- 349 Marine science in the United Kingdom 1967: a directory of scientists, establishments and facilities. Compiled on behalf of the Royal Society's British National Committee for Oceanic Research with the cooperation of the Natural Environment Research Council. London, Royal Society, 1968.  
Ref Q149 G7 M37
- 350 Problem lakes in the United States. Martha J. Ketelle and Paul D. Uttormark. U.S. Environmental Protection Agency, Office of Research and Monitoring. Wash., D.C., GPO, 1971.  
Govt. Publ. Dept.  
(EP1.16:16010 EHR 12/71)  
Represents results of research on lakes in the U.S. A table is provided which shows by state and name of lake the surface area, type of problem and source of problem. The major section is entitled "Lake Descriptions," arranged by state and then lake name, and gives location, size, depth, problem and source, rehabilitation, background data, and comments. References, listed on p.277-282, are also arranged by state.
- 351 Research centers directory. Edited by Archie M. Palmer. 4th ed. Detroit, Gale Research Co., 1972.  
Ref Desk AS.5 D5 4th 1972  
Classified arrangement by subject with alphabetical list of centers at the end.  
Supplemented by:  
New research centers, a periodic supplement to "Research Centers Directory." Edited by Archie M. Palmer. Detroit, Gale Research Co., no.1- June 1972-
- 352 Water resources research catalog. U.S. Dept. of the Interior, Office of Water Resources Research. Wash., D.C., GPO, 1965-  
Govt. Publ. Dept.  
(1 1.94:vol. & no.)  
Includes research projects supported by federal and non-federal funds, and the 1973 ed., v.8 includes research from about 60 foreign countries also. The Catalog is published in two sections.

1. Project descriptions, which is classified as follows:
  - Nature of Water
  - Water cycle
  - Water supply augmentation and conservation
  - Water quantity management and control
  - Water quality management and protection
  - Water resources planning
  - Resource data
  - Engineering works
  - Manpower, grants and facilities
  - Scientific and technical information
2. Indexes, by subject, investigator, contractor, supporting agency.

- 353 World directory of hydrobiological and fisheries institutions. Edited by Robert W. Hiatt. Washington, American Institute of Biological Sciences, 1963.

#### Schools

- 354 College blue book, v.3. Degrees offered by colleges and subjects. 14th ed. N.Y., CCM Information Corp., 1972.

Ref Desk LA226 C685

14th ed 1972 v.3

This volume of the "College blue book" is a subject arrangement of degree programs. Under each subject area are listed schools which offer certified diplomas, associate, bachelor, masters, doctorate and other degrees. Subject areas for example: hydraulics, hydrogeology, limnology, water and air resources, water chemistry, water pollution technology, water quality and sanitation technology, water resources, water resources engineering, water technology, water treatment, water utility science, watershed management, watershed technology.

- 355 Directory of degree programs related to conservation, ecology, environmental education, environmental science, outdoor education, and natural resources. Compiled by Russel E. Bachert, Jr. Danville, Ill., Interstate, 1971. (Conservation Education Association. Education. Key to conservation no.7)

Ref S946 B33

- 356 Guide to American graduate schools. Herbert B. Livesey and Gene A. Robbins. 2d ed. N.Y., Viking, 1970.

Ref Desk L901 L5 1970

Subject sections of interest: Agriculture - Water sciences/Engineering, Water resources, Watershed management, Water chemistry, Water management, Water quality, Water technology; Hydraulic engineering, hydrology, Engineering/Engineering sciences - Civil engineering, Geological/Geophysical engineering.

- 357 A guide to graduate study, programs leading to the PhD. degree. Edited by Robert Quick. 4th ed. Wash., D.C., American Council on Education, 1969.

Ref Desk LB2371

A4 4th 1969

Subjects included. Hydraulics, limnology, oceanography, marine biology, marine sciences, water resources, water chemistry, water quality, water technology, watershed management, watershed resources, wildlife studies, wildlife biology, wildlife ecology.

- 358 Graduate studies in water resources. (Austin ?), Universities Council on Water Resources, 1970.

Ref T73 U55 1970

Describes courses of study at colleges and universities in the U.S., types of degrees offered, and also person to contact for more information.

- 359 World directory of environmental education programs, post-secondary study and teaching in 70 countries. Prepared by the International Institute for Environmental Affairs in cooperation with the Institute of International Education. Edited by Philip W. Quigg. N.Y. & London, R.R. Bowker, 1973.

Ref GF26 I57 1973

See also: General directories of schools:

- 360 American universities and colleges. Edited by W. Todd Furniss 11th ed. Wash., D.C., American Council on Education, 1973.

Ref Desk LA226 A65 11th 1973

Descriptive information.

- 361 Barron's guide to the two-year colleges. R. William Graham. Completely revised and enlarged. Woodbury, N.Y., Barron's Educational Series, Inc., 1972. 2v.

Ref L901 G73 1972

- 362 Commonwealth universities yearbook 1973. A directory to the universities of the Commonwealth and the handbook of their Association. London, The Association of Commonwealth Universities, 1973. Annual.

Ref LB2310 Y5 1973

- 363 Education directory 1972-73, higher education. U.S. Dept. of Health, Education, and Welfare, Office of Education, National Center for Educational Statistics. Wash., D.C., GPO. Annual.  
Ref Office  
Basic data including names of top administrative officials.
- 364 International handbook of universities, and other institutions of higher education. 5th ed. Paris, The International Association of Universities, 1971. Ref L900 158 1971
- 365 Patterson's American education. Mount Prospect, Ill., Educational Directories Inc. Annual. Ref L901 P3  
Includes public and private high schools, colleges and universities and specialized schools.
- 366 The world of learning 1972-73. 23d ed. London, Europa Publications Ltd., 1972. 2v. Ref AS2 W6 1972-73  
Includes a section on colleges and universities for each country, for many schools faculty are listed.



## Selected federal government series

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### U.S. Dept. of Agriculture. Soil Conservation Service.

- 367 Soil conservation. Govt. Publ. Dept.  
(A57.9:vol.&no.)

### U.S. Army Engineers Corps.

- 368 Water spectrum, issues, choices, actions (quarterly)  
(D103.48:vol.&no.)

### U.S. Environmental Protection Agency.

- 369 Conference in matters of pollution of navigable waters,  
proceedings. (EP1.16<sup>2</sup>:CT)
- 370 Ecological research series, EPA-R3. (EP1.23:nos.)
- 371 Environmental protection technology series, EPA-R2.  
(EP1.23<sup>2</sup>:nos.)
- 372 Fish kills caused by pollution (annual)  
(EP2.24:date)
- 373 Socioeconomic environmental studies series, EPA-R5.  
(EP1.23<sup>3</sup>:nos.)
- 374 Water pollution control research series.  
(EP1.16:nos.& letters) and  
(EP2.10:nos.& letters)
- 375 Water quality standards summary (for various states)  
(EP1.29:CT)  
non depository

### U.S. Geological Survey.

- 376 Circular series (I 19.4<sup>2</sup>:nos.)
- 377 Ground-water levels in the U.S. In: Water-supply papers



- 378 Quality of surface waters in the U.S. (annual) In. Water-supply papers
- 379 River basins of the U.S. series (I 19.56:CT)
- 380 Surface water supply in the U.S. In: Water-supply papers (I 19.13:nos.)
- 381 Techniques of water-resources investigations. (I 19.15<sup>5</sup>:bk.no.,chapt.no.)
- 382 Urbanization and water resources. In. Professional paper series (I 19.16:nos.)
- 383 Water in urban environments. In: Circular series (I 19.4<sup>2</sup>:nos.)
- 384 Water resources conditions in Connecticut (Ct. EPA) (monthly) (7.En8.6: yr. mo.)
- 385 Water resources review (monthly) non-depository item see Govt. Publ. Dept.
- 386 Water-supply papers. (I 19.13:nos.)

U.S. Dept. of the Interior.

- 387 Conservation bulletins. (I 1.72:nos.)
- 388 Saline water conversion reports (annual) (I 1.1<sup>3</sup>:date)
- 389 Saline water research and development progress reports. (I 1.88:nos.)
- 390 Water resources research catalog. (I 1.94:vol.&no.)
- 391 Water Resources Scientific Information Center. WRSIC series. (bibliography series) (I 1.97:nos.)

U.S. Bureau of Reclamation.

- 392 Research reports (127.54:nos.)
- 393 Water and land resource accomplishments. (127.55:date)

U.S. Water Quality Office.

- 394 Estuarine pollution study series. (EP2.19:nos.) and (167.21:nos.)
- 395 General publications. (EP2.2:CT)

396 Northwest shellfish sanitation research planning conference,  
proceedings. (EP2.15:date) and  
(FS2.2:Sh46)

**U.S. Water Resources Council.**

397 General publications. (Y3.W29:2CT)

398 Joint hydrology – sedimentation bulletins.  
(Y3.W29:9/nos.) and  
(Y3.In8/8:9/nos.)

**U.S. Office of Water Resources Research.**

399 Annual report. (I 1.1/4:date)



## Selected state publications

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### 400 WATER RESOURCES RESEARCH INSTITUTES PUBLICATIONS

Publications from the 51 Water Resources Research Institutes established under the Water Resources Research Act of 1964 are located in the Government Publications Department of the Library. Like most government documents they do not necessarily appear in the card catalog but are indexed by the Monthly Checklist of State Publications and Selected Water Resources Abstracts.

### 401 STATE AGRICULTURAL & ENGINEERING EXPERIMENT STATION PUBLICATIONS

These publications are handled by the Government Publications Department of the Library. In addition to their Bulletins an example of this type of publication is:

- 402 Industrial Waste Conference, proceedings. Indiana. Engineering Experiment Station, Engineering Extension Series.  
Govt. Publ. Dept.  
(14-En3.4<sup>1</sup>:1944) and  
(14-En3.4:no.)

### MAJOR WATER RESOURCE STUDIES

- 403 Comprehensive water and related land resources investigation, Connecticut River Basin. N.p., Connecticut River Basin Coordinating Committee, June 1970. 9v.  
Govt. Publ. Dept.  
(70-C34.2:C76 vol.)

Presents a plan for the "preservation, development, and management of the water and related land resources of the

Connecticut River Basin" which took six years to develop. Maps are included.

- v.1: Main report
- v.2: Appendix A. History of investigation
  - B. Economics
  - C. Hydrology
- v.3: Appendix D. Water supply & water quality
  - E. Ground water resources
- v.4: Appendix F. Water and related land resources management, use and development opportunities
- v.5: Appendix G. Fish & wildlife resources
  - H. Outdoor Recreation
  - I. Electric power
- v.6: Appendix J. State reports N.H., Vt., Mass., Ct.
- v.7: Appendix K. Plan formulation
  - L. Navigation
- v.8: Appendix M. Flood control
  - N. Mineral industry water requirements and mineral investigations at selected sites
- v.9: Appendix O. History and environment
  - P. Estuary
  - Q. Subcommittee reports
  - R. Health Aspects
  - S. Mineral industry and resources

- 404 North Atlantic regional water resources study. Prepared by the North Atlantic Regional Water Resources Study Group, North Atlantic Div., U.S. Army Corps of Engineers for the North Atlantic Regional Water Resources Study Coordinating Committee. N.p., June 1972. 25v. Govt. Publ. Dept. (74-C73.6:R29)

This report "presents a comprehensive framework plan for the management of water, related land and other environmental resources in the NAR" and the findings and recommendations of the Committee. Maps are included. The main report and annexes are followed by 22 appendices:

- A: History of study
- B: Economic base
- C: Climate, meteorology and hydrology
- D: Geology and ground water
- E: Flood damage reduction and water management for major rivers and coastal areas

F: Upstream flood prevention and water management  
G: Land use and management  
H: Minerals  
I: Irrigation  
J: Land drainage  
K: Navigation  
L: Water quality and pollution  
M: Outdoor recreation  
N: Visual and cultural environment  
O: Fish and wildlife  
P: Power  
Q: Erosion and sedimentation  
R: Water supply  
S: Legal and institutional environment  
T: Plan formulation  
U: Coastal and estuarine areas  
V: Health aspects



## Serial lists

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- 405 Analysis of serials related to water resources. Walter F. Johanningsmeier, Robert E. Frye and Robert F. Nasal. Wash., D.C., U.S. Dept. of the Interior, Office of Water Resources Research, Water Resources Scientific Information Center, 1969.  
Ref TD201 J64  
This report discusses and analyzes the 1634 serials identified as most pertinent to the water resources field. Appendix VIII, p.93-120 lists "Core water resources serials, by alternate definitions."
- 406 Annual directory of environmental information sources. Edited by Charles E. Thibeau and Peter W. Taliaferro. 2d ed. Boston, Mass., National Foundation for Environmental Control, 1972.  
Ref HC110 E5 A7 1972  
Contains a bibliography of "Serials and Periodicals" p.323-353.
- 407 Current agricultural serials, a world list of serials in agriculture and related subjects (excluding forestry and fisheries) current in 1964. Edited by Donald H. Boalch. Oxford, 1965-67. 2v.  
Ref Desk Z5073 B68 v.1-2
- 408 Serial publications held by the Marine Biological Laboratory Library and the Woods Hole Oceanographic Institution. Woods Hole, Mass., Marine Biological Laboratory, 1965.  
Ref Office Z7994 M33 W66  
\_\_\_\_\_. Supplement. 1970. Ref Office Z7994 M33 W66  
suppl.
- 409 Ulrich's international periodicals directory, a classified guide to current periodicals, foreign and domestic. 15th ed., 1973-1974. N.Y., London, R.R. Bowker Co., Xerox, 1973.  
Ref Desk Z6941 U5 15th  
1973-74

Classified arrangement with title and subject index at the end.  
Sections of interest:

- Conservation p.517-525
- Earth sciences (including Oceanography) p.537-555
- Environmental studies p.744-752
- Water resources p.2093-2098

- 410 World list of periodicals for aquatic sciences and fisheries. Food and Agriculture Organization of the United Nations, Fisheries Division, Biology Branch. Rome, FAO, 1962. (FAO fisheries biology technical paper no.1<sup>o</sup> v.1)

Govt. Publ. Dept.  
(FAO - 50:19 v.1)

See also:

Guides to the literature. These guides often list and discuss the periodicals and serials of a given field.

Indexing and abstracting services. These services usually list, at various intervals, the periodicals which they index. Examples:

Bibliography of North American Geology, 1969. publ. 1972.  
Serial list, p.VII - XLI.

Engineering Index. List of journals indexed is provided in the front of each volume.

Oceanic Abstracts. First issue each year lists journals covered by this source.

Pollution Abstracts. First issue each year lists journals covered by this source.

- 411 Complete ecology fact book. 1972. Appendix D - Conservation publications. A list of major regional, national and international publications dealing with ecology and conservation. Ref TD174 N6

412 WATER RESOURCES SERIALS  
SELECTED LIST

This is a list of 181 titles identified by the Special Studies Dept. of Wolf Research and Development Corp. in 1969 as being "primary sci tech serials with 66.6% or more of their original papers related to water resources." Their study was prepared for the Water Resources Scientific Information Center, Office of Water Resources Research, U.S. Dept. of the Interior, (see no. 405 of this bibliography). The titles have been arranged here as they would be

listed in the collection of the library at the University of Connecticut, departmental location, e.g. GPD for Government Publications Department and/or holdings are given. Title change information is provided for later titles but not for former titles.

Academie des Sciences. Comptes Rendus . . . 1, 1835-  
Acta Hydrophysica  
Agricultural engineering 12, 1931-  
Agricultural meteorology 2, 1965-  
Agricultural research GPD  
Air and water pollution 1-10, 1958-66.  
Alabama. University. Geological Survey. Information series  
American Chemical Society. Journal 1, 1879-  
American city 12, 1914-  
American Institute of Chemical Engineers. AIChE symposium series  
see card catalog  
American midland naturalist  
American mineralogist 26, 1941-  
American Society of Agricultural Engineers. Transactions n.s.1,  
1958-  
American Society of Civil Engineers, Environmental Engineering  
Division. Journal EE 99, 1973-  
American Society of Civil Engineers, Hydraulics Division. Journal  
82, 1956-  
American Society of Civil Engineers, Irrigation and Drainage  
Division. Journal 82, 1956-  
American Society of Civil Engineers, Sanitary Engineering Division.  
Journal 82-98, 1956-72. Continued by: American Society of  
Civil Engineers, Environmental Engineering Division . . .  
American Society of Civil Engineers, Waterways and Harbors  
Division. Journal 82-96, 1956-70.  
American Society of Civil Engineers, Waterways, Harbors and  
Coastal Engineering Division. Journal 96, 1970-  
American Society of Mechanical Engineers. Journal of engineering  
for power 32, 1960-  
The analyst 1, 1876-  
Analytical chemistry 22, 1950-  
Archiv fur hydrobiologie 12, 1920-  
Arizona. State Land Dept. Water resources report  
Atmospheric and oceanic physics  
Bioscience 15, 1965-  
British Waterworks Association. Journal 45-50, 1963-68.



British water supply 1, 1969-  
 California. Department of Water Resources. Bulletin GPD  
 California. State Water Resources Control Board. Publication GPD  
 8, 1951-  
 California. University. Water Resources Center contribution GPD  
 California fish and game GPD 1929-  
 Canada. Water Resources Branch. Water resources papers GPD  
 Canadian journal of zoology 29, 1951-  
 Chemical engineering progress symposium series see card catalog  
 under American Institute of Chemical Engineers. AIChE  
 symposium series  
 Chemical engineering science 1, 1951-  
 Chemical Society, London. Journal Faraday Transactions 1 and 2  
 68, 1972-  
 Chemistry and industry 56, 1937-  
 Chine et industrie 1, 1918-  
 Civil engineering 1, 1930-  
 Colorado. State University. Hydrology papers  
 Connecticut. Water Resources Commission. Bulletin GPD 1-  
  
 Deep-sea research and oceanographic abstracts 9, 1962-  
 Desalination (Amsterdam) 1, 1966-  
 Deutsche Gewasserkundliche Mitteilungen  
  
 L'eau  
 Eaux et industries  
 Ecology 1, 1920-  
 Effluent and water treatment journal  
 Endeavour 1, 1942-  
 Environmental geology notes  
 Environmental science and technology 1, 1967-  
  
 Faraday Society. Transactions 1-67, 1905-71. Continued by  
 Chemical Society, London. Journal Faraday Trans. . . .  
 Filtration and separation  
 Florida. State Board of Conservation. Report of investigation  
  
 Geochimica et cosmochimica acta 1, 1950-  
 Geographical bulletin  
 Geological Society of America. Bulletin 1, 1890-  
 Hidroznicheskoye stroitelstvo  
 Ground water 1, 1963-  
 Ground water age

Health physics 2, 1959-  
 Hydrogiologia  
 Hydrological sciences bulletin 17, 1972-  
 Hydrological year book of Isreal  
 Hydrology symposium, proceedings  
 Hydrotechnical construction 1967-71.  
 Hygiene and sanitation  
  
 Illinois. Geological Survey GPD  
 Illinois. University. Agricultural Experiment Station. Bulletin GPD  
 Illinois. Water Survey Division. Report of investigations GPD  
 Illinois. Water Survey Division. Technical report  
 Indian journal of power and river valley development  
 Indiana. Geological Survey. Special report  
 Industrial water engineering 1, 1964-  
 Institute of Sewage Purification. Journal and Proceedings 1965-66.  
     Continued by Water pollution control  
 Institution of Public Health Engineers. Journal 64-71, 1965-72.  
     Continued by Public health engineer  
 International Association of Scientific Hydrology. Bulletin 10-16,  
     1965-71. Continued by Hydrological sciences bulletin  
 International Grasslands Congress. Proceedings see card catalog  
 Iowa farm science GPD 1, 1946-  
 Irrigation age  
 Irrigation and power  
  
 Journal of animal ecology 1, 1932-  
 Journal of applied meteorology 2, 1963-  
 Journal of chemical physics 1, 1933-  
 Journal of colloid and interface science 21, 1966-  
 Journal of ecology 1, 1913-  
 Journal of geology 1, 1893-  
 Journal of geophysical research 54, 1949-  
 Journal of hydrology 2, 1964-  
 Journal of petroleum technology 1, 1949-  
 Journal of physical chemistry 1, 1896-  
 Journal of scientific instruments 1, 1923/24- title varies  
 Journal of sedimentary petrology 1, 1931-  
 Journal of soil and water conservation 20, 1965-  
 Journal of the atmospheric sciences 19, 1962-  
  
 Kansas. State Water Resources Board. Technical report GPD  
  
 Land and water contracting

Limnology and oceanography 1, 1956-  
 Limnos  
 Los Angeles County Flood Control District. Hydraulic and Water  
 Conservation Divisions. Report on hydrologic data  
  
 Marine biology 1, 1967-  
 Massachusetts. University. Agricultural Experiment Station.  
 Bulletin GPD  
 Michigan. University. Great Lakes Research Division. Publications  
 see card catalog  
 Mississippi. Board of Water Commissioners. Bulletin  
 Mississippi Water Resources Conference. Proceedings see card  
 catalog  
  
 National parks and conservation 44, 1970-  
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 National Research Council. Highway Research Board. Highway  
 research record 1, 1963-  
 National resources journal 1, 1961-  
 Natural resources lawyer  
 Nature (London) 1, 1869-  
 Nature and resources GPD 8, 1972-  
 Nebraska. Soil and Water Conservation Commission. State water  
 plan  
 Nevada. Department of Conservation and Natural Resources. Water  
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 New England Water Works Association. Journal 31, 1917-  
 New Jersey. State Department of Health. Public health news  
 New Mexico. State Bureau of Mines and Mineral Resources. Report  
 New Mexico. State Engineer. Technical report  
 New South Wales. University. Water Research Laboratory. Report  
 see card catalog  
 New York. Power Authority. Annual report GPD  
 North American Wildlife and Natural Resources Conference.  
 Transactions SK351 N872 1, 1936-  
 North Carolina. Division of Ground Water. Bulletin  
 North Dakota. State Water Conservation Commission. County  
 ground-water studies  
 Northwest pacific builder and engineer  
 Nuclear safety GPD 1, 1959-  
  
 Oesterreichische Wasserwirtschaft

Pan American Sanitary Bureau. Boletin  
 Parks and recreation 1, 1966-  
 Plant physiology 1, 1926-  
 Polskie archiwum hydrobiologii  
 Power 23, 1961-  
 Power engineering 54-76, 1950-72.  
 Public health engineer 1973-  
 Public works 48, 1920-  
 Pulp and paper magazine of Canada  
 Radiological health data and reports GPD 2, #4, 1961-  
 Republic of South Africa. Report of the Secretary of Water Affairs  
 River Murray Commission Report  
 Russian journal of inorganic chemistry 11, 1966-  
 Schweizerische zeitschrift fur hydrologie  
 Science 1883-87; 1896-  
 Societe Geologique de France. Compte Rendu Sommaire des  
 Seances 1911-12; 1943-  
 Society for Water Treatment and Examination. Proceedings  
 Soil science 1, 1916-  
 Soil Science Society of America. Proceedings 22, 1958-  
 Soil and water  
 South Dakota. Geological Survey. Bulletin GPD  
 Southwest waterworks journal  
 Soviet hydrology: selected papers 1962-  
 Sport Fishing Institute. Bulletin  
 Tasmania. Department of Mines. Underground water supply paper  
 Technique de l'eau et de l'assainissement  
 Texas. Water Development Board. Report GPD  
 U.S. Army Corps of Engineers. Flood plain information  
 U.S. Bureau of Reclamation. Research report GPD  
 U.S. Department of Agriculture. Agricultural Research Service GPD  
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 U.S. Geological Survey. Water-supply paper GPD  
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Water research 1, 1967-  
Water Research Association. Annual report  
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Water resources bulletin 3, 1967-  
Water resources journal (U.N.)  
Water Resources. Reconnaissance series report  
Water resources research 1, 1965-  
Water well journal 21-26, 1967-72.  
Waterway economics  
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Western city magazine

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