

STATE OF OHIO
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF SHORE EROSION
DIVISION OF GEOLOGICAL SURVEY

REPORT OF INVESTIGATIONS NO. 25
(CONTRIBUTION NO. 4 LAKE ERIE GEOLOGICAL RESEARCH PROGRAM)

Bibliography
Of
PHYSICAL LIMNOLOGY
1781....1954



COLUMBUS
1955

STATE OF OHIO

Frank J. Lausche,
Governor

DEPARTMENT OF NATURAL RESOURCES

A. W. Marion,
Director

NATURAL RESOURCES COMMISSION

George Wenger,
Chairman

John A. Slipher,
Vice Chairman

Bryce Browning,
Secretary

C. D. Blubaugh
Dr. C. L. Dow
A. W. Marion

Dr. John L. Rich
Milton Ronsheim
Dean L. L. Rummell

DIVISION OF GEOLOGICAL SURVEY

John H. Melvin,
Chief

DIVISION OF SHORE EROSION

F. O. Kugle,
Chief

STATE OF OHIO
Frank J. Lausche, Governor
DEPARTMENT OF NATURAL RESOURCES
A. W. Marion, Director
DIVISION OF SHORE EROSION
F. O. Kugel, Chief
DIVISION OF GEOLOGICAL SURVEY
John H. Melvin, Chief

REPORT OF INVESTIGATIONS NO. 25

(CONTRIBUTION NO. 4 LAKE ERIE GEOLOGICAL RESEARCH PROGRAM)

BIBLIOGRAPHY
OF
PHYSICAL LIMNOLOGY
1781....1954

By
James L. Verber

This publication is a cooperative project of the Division of Shore Erosion and
The Division of Geological Survey. The research upon which the
publication is based has been sponsored chiefly by
the Division of Shore Erosion.

COLUMBUS, 1955

Blank Page

CONTENTS

	Page
INTRODUCTION	v
Organization of the Index	v
Suggestions on using the Index	vi
ABBREVIATIONS	vii
BIBLIOGRAPHY	1
INDEX and	
ALPHABETICAL LIST OF LAKES CITED	45
ADDENDUM WITH INDEX	54

Blank Page

INTRODUCTION

The Bibliography of Physical Limnology, 1781-1953, contains both a bibliography and subject index of the literature relating to physical limnology with special emphasis on the Great Lakes. The earliest paper listed was published in 1781. The most recent are those published in December, 1954.

There are several bibliographies relating to limnology in general, the first extensive listing having been prepared by Chumley in 1910. A great number of references have been gathered from published bibliographies. Other references were found during the course of library research and from the addition of the research file of Dr. Howard J. Pincus.

In the bibliography the references are listed alphabetically by author. The publications of each author have been arranged chronologically according to year of publication, with no particular attention given to the order of papers published in the same year. For reference from the subject index, the publication dates have been placed before each title, with letters added where several papers bear the same date. The bibliographic style used in citations and the general form of the bibliography and index have been patterned after the Bibliography of Ohio Geology, 1819-1950. A list of abbreviations used in citations is given on page vii.

Supplements to the current bibliography will be published at intervals by the Ohio Geological Survey. In addition to new material the first supplement will contain titles of papers published prior to 1954 which have been overlooked in this initial compilation. Suggestions regarding omissions or errors will be greatly appreciated and may be addressed to the Division of Shore Erosion, Ohio Fisheries Building, Sandusky, Ohio.

I wish to thank Dr. Howard J. Pincus, senior scientist of the Lake Erie Geological Research Program, for the use of his personal research file, and for criticisms and editing; Mr. F. O. Kugel, Chief, Division of Shore Erosion, for his permission to publish the manuscript and for his whole hearted cooperation; Mr. John H. Melvin, Chief, Ohio Division of Geological Survey, who gave his full cooperation in the publication of this manuscript; Mr. Robert P. Hartley, assistant resident scientist, for his help in the preparation of the bibliography; Miss Nancy Milne and Miss Phyllis D. Tuck for

their assistance in preparing the manuscript for publication.

Organization Of The Index

Immediately following the bibliography or author index is a subject index, which is keyed to the literature cited in the bibliography by authors' last names and publication dates. Initials are used only where necessary to distinguish between two or more authors with the same name.

Main Headings. The main headings in the index are subject headings of various types. They may be names of lakes, (Lake Awe, Como, Erie); general subjects (General Geology, General Geography); or specific subjects (Temperature, Currents). Examples of main headings are the following:

Beaches	Erosion
Bear Lake	Estuaries
Biography	General Geology
Bibliography	Geography
Chemical Studies	Limnology
Currents	Temperature
Desert Lakes	Water Levels

Cross References. A main heading may have only a cross reference to another main heading, with no entries listed at all:

Taches d'Huile: See Calm Spots.

A cross reference which begins See under, or See also under, indicates that the subject matter sought as a main heading will be found as a sub-heading under another main heading:

Caspian Sea: See under Temperature.

Littoral Currents: See under Currents.

Thermocline: See under Temperature.

The names of lakes, which are geographic rather than subject headings, have been entered as main headings only with the cross reference to a particular subject. Where the subject is of a general nature, and not

specific, then the author and date are given, and no cross reference is needed:

Bear Lake: Foskett, 1947a.

Geographic headings have been used primarily as sub-headings under the main subject headings. In order to find all the available material on a particular lake, it will be necessary to start with the name of the lake and follow the directions given in the accompanying cross references.

Sub-Headings. There are two kinds of sub-headings under the main headings, geographic and subject.

Wherever possible the geographic headings are the names of lakes or a locality which encompasses several lakes (Wisconsin, Minnesota). This was done where it was impossible to list every lake. The sub-heading General describes publications which deal with the subject as a whole.

Closely related subjects have been grouped together as sub-headings under one main heading. For example, the names of the glacial phenomena are listed under Glacial Geology; different types of currents, under Currents; types of shore structures, under Breakwater.

Method of Citation. The bibliography uses the following method of citation as shown in the example:

JONES, M. E.
1946 - (and others) Tides and Seiches. Jour.
of Mar. Res. 8 (2): 194-196.

The paper by Jones, M. E. and others on "Tides and Seiches" appears in the Journal of Marine Research, Volume 8, Number 2, pages 194 to 196 in 1946.

Suggestions On Using The Index

The following examples will describe suggested methods of searching for information on several sample subjects.

Temperature of Lake Erie. To find information on a specific subject on a lake, first look up the subject; then look for the lake as a sub-heading under the main subject heading. All the major references to the temperature of Lake Erie are listed as follows:

Temperature: See also under individual lakes.
Erie, Lake: Britt, 1951; Chandler, 1940,
1942b, 1944, etc.

If there is a cross reference after the main heading it suggests that additional information may be found under the main headings.

Scottish Lakes. Information of a geographic nature may be very general and only show one reference. This was intended only to give the reader a reference which would lead to other work.

Scottish Lakes: Caspari, 1910a.

Because the biological and chemical fields verge on the edge of the physical, many papers of a general nature are listed under Chemical Studies and the biological under Limnology.

ABBREVIATIONS

Abst.	Abstract, abstracts
Acad. Sci. Russe.	Akademiia nauk S. S. S. R. (Academy of Sciences, Russia)
Actes Soc. Helv. Sci. Nat	Actes Societas Helvetica Science et Naturelles
Agric. Exp. Sta.	Agricultural Experiment Station
Am.	America, American
Am. Assoc. Adv. Sci.	American Association for the Advancement of Science
Am. Assoc. Petrol. Geol.	American Association of Petroleum Geologists
Am. Fish. Soc.	American Fisheries Society
Am. Geol	American Geologist
Am. Geophys. Union	American Geophysical Union
Am. Inst. Mining and Met. Eng.	American Institute of Mining and Metallurgical Engineers
Am. Jour. Agron.	American Journal of Agronomy
Am Jour Sci.	American Journal of Science
Am. Met. Soc.	American Meteorological Society
Am. Micro. Soc.	American Microscopical Society
Am. Mid. Nat.	American Midland Naturalist
Am. Mineralogist	American Mineralogist
Am. Phil. Soc.	American Philosophical Society
Am. Sci.	American Scientist
Am. Soc. Civ. Eng.	American Society of Civil Engineers
Am. Soc. Limn. & Ocean.	American Society of Limnology and Oceanography
An.	Annual
Ann.	Annals
Ann. Bot. Soc. Can.	Annals of the Botanical Society of Canada
Ann. d. Chimie	Annales de chimie et de physique
Ann. Hydrogr. Marit. Met.	Annalen der Hydrographie und Maritimen Meteorologie
Annal. d. Physik	Annalen der Physik
Annali Geofysi.	Annali d'Geofysik
Ant. Expl.	Antarctic Exploration
App.	Appendix
Arch. f. Hydrobiol.	Archives fur Hydrobiology
Arch. Sci. Phys. Nat.	Archives des sciences physiques et naturelles
Arch. Zool. Exp.	Archives of Zoological Explorations
Arkiv f. Bot	Arkiv for Botanik
Arkiv Mat. Astron. Fysik	Arkiv for Matematik, Astronomi och fysik
Assoc. Internat. Oceanog. Phys.	Association International de Oceanographie et Physiques
Astron. Jour.	Astronomical Journalxxxxx
Atti Royal Acad. Sci.	Atti Royal Academy Science.
Australia Sci. Res. Ser.	Australia Scientific Research Series
Australian Jour. Sci.	Australian Journal of Science
Auth.	Authorized, authority
Bd.	Board
Bibl. Univ. Sci.	Bibliotheque universelle, archives des sciences
Biochem. Jour.	Biochemical Journal
Biol.	Biology, Biologist
Boston Soc. Nat. Hist.	Boston Society of Natural History
Bot. Soc. Can.	Botanical Society of Canada
Botan. Notiser	Botaniska notiser

BIBLIOGRAPHY

- | | |
|--|--|
| Buffalo Soc. Nat. Sci. | Buffalo Society of Natural Science |
| Bull. | Bulletin |
| Bu. Ships | Bureau of Ships |
| Can. Geol. Survey | Canada Geological Survey |
| Can. Inst. | Canadian Institute |
| Can. Jour. Res. | Canadian Journal of Research |
| Can. Jour. Sci. | Can. Jour. of Sci., Letters and History |
| Can. Nat. Geol. | Can. Naturalist and Geologist |
| Can. Nat. Jour. | Canadian Naturalist and Journal |
| Can. Rec. Sci. | Canadian Record of Science |
| Can. | Canada, Canadian |
| Carnegie Inst. Washington | Carnegie Institute of Washington |
| Cennali Geofis. | Cennali Geofysik |
| Chicago Acad. Sci. | Chicago Academy of Science |
| Circ. | Circular |
| Co. | County |
| Comm. | Commission |
| Comptes Rendus Acad. Sci. (Paris) | Comptes Rendus, Academie des Sciences (Paris) |
| Comptes Rendus Assoc. Franc. Av. Sci. | Comptes Rendus, Association Francaise pour l'avancement des sciences |
| Comptes Rendus Soc. Geog. (Paris) | Comptes Rendus, Societe de Geographie |
| Comptes Rendus Tran. Soc. Helv. Sc i. Nat. | Comptes Rendus, Transactions, Societas Helvetica Science et Naturelles |
| Cong. | Congress |
| Congr. Int. de Physique | Congres Internationale de Physique |
| Connecticut Geol. & Nat. Hist. Survey | Connecticut Geological and Natural History Survey |
| Cons. | Conservation |
| Cont., Con. | Contribution |
| Denison Univ. Sci. Lab. | Denison University Scientific Laboratories |
| Dept. | Department |
| Dept. Nat. Res. | Department of Natural Resources |
| Div. | Division |
| Doc. | Document |
| Ecol. Mono. | Ecological Monographs |
| Ecology | Ecology |
| Econ. | Economics |
| Ed. | Edition, edited |
| Edinb. Geol. Soc. | Edinburgh Geological Society |
| Edinb. Jour. Sci. | Edinburgh Journal of Science |
| Edinb. New Philos. Jour. | Edinburgh New Philosophical Journal |
| Edinb. Phil. Soc. | Edinburgh Philosophical Society |
| Enc. Metropol. | Encyclopedia Metropolitan |
| Eng. Exp. Sta. | Engineering Experiment Station |
| Eng News-Record | Engineering News-Record |
| Exp. | Experiment |
| F. S. A. | Federal Security Agency |
| Fig., Figs. | Figure, Figures |
| Gen. | General |
| Geol. Soc. Am. | Geological Society of America |
| Geol. Soc. London | Geological Society of London |
| Geol. Survey | Geological Survey |
| Geog. | Geography |
| Geog. Rev. | Geographical Review |

ABBREVIATIONS

Geophys. Mag.	Geophysical Magazine
Gesellschaft zu Königsbergi Pr.	Gessellschaft zu Königsbergi, Prussia
Globus	Globus
Imp. Acad.	Imperial Academy
Incl.	Inclusive, includes
Indiana Acad. Sci.	Indiana Academy of Science
Inst.	Institute
Inst. Assoc. Sci. Hydrol.	Institute and Association of Science, Hydrobiology
Inst. Civ. Eng. Long. Jour.	Institute of Civil Engineering Longshoremens Journal
Int. Rev. Hydrobiol. Hydrogr.	International Revue der gesamten hydrobiologie und Hydrographie
Int. Soc. Limn.	International Society of Limnology
Jour. Am. Med. Assoc.	Journal of the American Medical Association
Jour. Am. Soc. Agron.	Journal American Society of Agronomy
Jour. Am. Water Works Assoc.	Journal American Water Works Association
Jour. An. Ecol.	Journal of Animal Ecology
Jour. Biol. Bd. Can.	Journal of the Biological Board of Canada
Jour. Biol. Chem.	Journal of Biology and Chemistry
Jour. Cons. Int. l'Expl. Mer	Journal du Conseil International pour l'Exploration de la Mer
Jour. Fish. Res. Bd. Can.	Jarnal of the Fisheries Research Board of Canada
Jour. Frank. Inst.	Journal of the Franklin Institute
Jour. Geog.	Journal of Geography
Jour. Geol.	Journal of Geology
Jaur. Geol. Geog.	Jarnal of Geology and Geography
Jour. Limn. Soc.	Journal of the Limnological Society
Jour. Mar. Biol. Assoc.	Journal of the Marine Biological Association
Jour. Mar. Res.	Journal of Marine Research
Jaur. Opt. Soc. Am.	Journal of the Optical Society of America
Jour. Prev. Med. Soc.	Journal of the Preventative Medicine Society
Jour. Royal Astron. Soc. Can.	Journal of the Royal Astronomical Society of Canada
Jour. Sed. Petrol.	Journal of Sedimentary Petrology
Komm. Havunders Medd. Ser. Hydro.	Kommissim Havunders, Meddelander, Serial Hydrographie
Lab.	Laboratory
L.E.G.R.P.	Lake Erie Geological Research Program
Limn. Soc. Am.	Limnological Society of America
Lyc. Nat. Hist. N. Y.	Lyceum of Natural History, New York
Med. Verhand. K. Nederland. Meteorol. Inst.	Mededeelingen Verhandelings K. Nederlandsche Meteorologische Institute
Medd. om. Gronl.	Meddelanden om Gronland
Mem.	Memoir
Met. Zeitschrift	Meteorologische Zeitschrift
Mich. Acad. Sci.	Michigan Academy of Science, Arts & Letters
Mil. Eng.	Military Engineer
Min.	Mineralogy
Min. Agric. Fish.	Mining, Agriculture and Fisheries
Misc. Rept.	Miscellaneous Report
Mitt. Naturf. Ges.	Mitteilungen Naturforscheude Geullschaft
Mon.	Month, Monthly
Mon. Wea. Rev.	Monthly Weather Review
Mono.	Monograph
Mtg.	Meeting
Nat. Acad. Sci.	National Academy of Science
Nat. Geog. Mag.	National Geographic Magazine
Nat. Hist.	Natural History
Nat. Res. Coun.	National Research Council

BIBLIOGRAPHY

New Phil. Jour.	New Philosophical Journal
No.	Number, numbers
Norske Vidensk Akad. Geofys.	Norske Hvidenskaps-Akademi Geofysics
Nouv. Mem. Acad. Sci.	Nouvelles, Memoires, Academie des sciences
N. s.	New series
N. Y. Acad. Sci.	New York Academy of Science
Oceanog. Mag.	Oceanographic Magazine
Ohio Acad. Sci.	Ohio Academy of Science
Ohio Jour. Sci.	Ohio Journal of Science
O. S. U.	Ohio State University
P., pp.	Page, pages
Paleo.	Paleontology, paleontological
Pan-Am. Geol.	Pan-American Geologist
Phil. Mag.	Philosophical Magazine
Phil. Trans. Royal Soc.	Philosophical Transactions of Royal Society
Pl., Pls.	Plate, plates
Pop. Sci. Mon.	Popular Science Monthly
Proc.	Proceedings
Prof.	Professional
Prof. Papers	Professional Papers
Pt.	Part
Pub., publ.	Publication
Quart. Jour. Biol.	Quarterly Journal of Biology
Quart. Jour. Geol. Soc.	Quarterly Journal of the Geological Society
Quart. Rev. Biol.	Quarterly Review of Biology
Rec.	Record
Ref.	Reference
Rendiconti Inst. Lomb. Sci.	Rendiconti, Institute Lombarda di scienze a lettere
Rept.	Report, reports
Res. Publ.	Research Publication
Rev.	Review
Rev. d'Hydrobiol.	Revue d'Hydrobiologie
Royal Dublin Soc.	Royal Dublin Society
Royal Dublin Sci. Soc.	Royal Dublin Scientific Society
Royal Met. Soc.	Royal Meteorological Society
Royal Soc. Can.	Royal Society of Canada
Royal Soc. Edinb.	Royal Society of Edinburgh
Royal Soc. Proc.	Royal Society, Proceedings
Royal Soc. S. Africa	Royal Society of South Africa
Sci.	Science
Sci. Am.	Scientific American
Sci. Mon.	Science Monthly
Sci. Proc.	Scientific Proceedings
Sec.	Section
Ser.	Series
Ses.	Session
Sitz. k. Akad. Wiss	Sitzungsberichte K. Akademie der Wissenschaften, Vienna
Soc. Econ. Paleo. and Min.	Society of Economic Paleontology and Mineralogy
Soc. Geog.	Society of Geography
Soc. Normande Geog.	Societe de Normande Geographie
Soc. Si. Fennica, Comm. Phys.	Societas de Sciences Fennica, Commission de Physics et Mathematics
Soc. Vaud. Sci. Nat	Societe vaudoise des sciences naturelles

ABBREVIATIONS

Spec. Pub.	Special Publication
Stone Inst. Hydrobiol.	F. T. Stone Institute of Hydrobiology
Suppl.	Supplement
Supt.	Superintendent
Surv.	Survey
Svenska Hyd. Biol. Komm. Skrift.	Svenska Hydro-Biologie Kommission, Skrifter
Tech. Rept.	Technical Report
Trans.	Transaction
Trans. Can. Inst	Transaction of the Canadian Institute
U. K.	United Kingdom
Univ.	University
Unpub.	Unpublished
U. S. Bur. Fish.	U. S. Bureau of Fisheries
U. S. Bur. Reclam.	U. S. Bureau of Reclamation
U. S. Eng. Dept.	U. S. Engineering Department
U. S. Geol. Survey	U. S. Geological Survey
U. S. N. Dept.	U. S. Navy Department
v., vol.	Volume
Verh. d. Int. Ver. f. Theor. u. angew Limnol.	Verhandlungen der Internationale vereinigung fur Theorie und angew Limnologie
Verh. Schwery Naturf. Ges.	Verhandlungen der Schwery, Naturforschende Gesellschaft
Veroff. Inst. Meeresk	Veroffentlichungen, Institut fur meeresk
Wash.	Washington
Wis. Acad. Sci.	Wisconsin Academy of Science
Wis. Geol. Nat. Hist. Survey	Wisconsin Geological and Natural History Survey
Zentralbl. f. Bakt Parasit. u. Infektionskr	Zentralblatt fur bakteriologie Parasitenkunde und Infektions krankheiten

BIBLIOGRAPHY

ABBE, CLEVELAND

- 1898 - The rainfall and outflow of the Great Lakes. *Mon. Wea. Rev.*, 26 (4) : 164-166.
- 1898a - Temperature of lake water. *Mon. Wea. Rev.*, 26 (5) : 167.
- 1900 - The influence of the lakes on temperature of the land. *Mon. Wea. Rev.*, 28 : 343-345.
- 1900a - Oscillations in lake level. *Mon. Wea. Rev.*, 28 (10) : 446.
- 1900b - Influence of the wind and of rythmic gusts of the level of Lake Erie. *Mon. Wea. Rev.*, 28 (3) : 112-113.
- 1901 - The influence of small lakes on local climate. *Mon. Wea. Rev.*, 29 (12) : 563.
- 1901a - Temperature of deep lakes. *Mon. Wea. Rev.*, 29 : 71.

ABERDORFER, E.

- 1929 - Ein Neuer Appart zur Lichtmessung unter Wasser. *Arch. f. Hydrobiol.*, 20 : 134-162.

ADAMS, C. C.

- 1908 - An ecological survey of Isle Royale Lake Superior. *Rept. Bd. of Geological Survey, State of Michigan*, 468 pp.

ADAMS, F. L. (See also Nasmith, G., 1914.)

- 1949 - Great Lakes shore erosion. *Shore and Beach*, 17 : 16-18.

ADENEY, W. E.

- 1926 - On the rate and mechanism of the aeration of water under open-air conditions. *Royal Dublin Sci. Soc. Proc.*, 18 : 211-217.

AGASSIZ, L.

- 1850 - Lake Superior: Its physical characters, vegetation and animals, compared with those of other and similar regions. *J. E. Cabot, Boston*, 428 pp.

AGOSTINI, GIOVANNI DE.

- 1895 - Sulla temperatura, colorazione e trasparenza di alcuni laghi piemontesi. *Atti Royal Acad. Sci. Toronto*, 30 : 285

AIRY, G. B.

- 1842 - Tides and waves. *Enc. Metropol. London*, 241 pp.

AITKEN, JOHN.

- 1880 - On the distribution of temperature under ice in frozen lakes. *Proc. Royal Soc. Edinb.*, 10 : 409-415.

ALCOCK, F. J.

- 1920 - The origin of Lake Athabaska. *Geog. Rev.*,

ALCOCK, F. J. - continued

10 : 400-407.

ALEXANDER, WILLIAM H.

- 1924 - A climatological history of Ohio. *Eng. Exp. Sta. O. S. U. Bull.* 26, 28 (5).
- 1929 - (and Patton, C. A.) The climate of Ohio. *Agric. Exp. Sta. Bull.* 445, 69 pp.

ALLEGEIER, R. J.

- 1932 - (and others) The anaerobic fermentation of lake deposits. *Int. Rev. Hydrobiol. Hydrogr.*, 26 : 444-461.
- 1934 - (and others) Availability of carbon in certain aquatic materials under aerobic conditions of fermentation. *Int. Rev. Hydrobiol. Hydrogr.*, 30 : 371-378.

ALLEN, R. E.

- 1907 - Levels of African lakes. *Jour. Geog. London*, 30 : 98.

ALSTERBERG, G.

- 1927 - Die Sauerstoffschichtung der seen. *Botan. Notiser.*, pp. 255-274.
- 1930 - Die Thermischen und chemischen ausgleiche in den seen zwischen boden und wasserkontakte sowie ihre biologisch bedeutung. *Int. Rev. Hydrobiol. Hydrogr.*, 24 : 290-327.

AMERICAN SOCIETY OF LIMNOLOGY AND OCEANOGRAPHY

- 1949 - Sources of limnological and oceanographic apparatus and supplies. *Spec. Pub. No. 1.*

ANDERSON, E. R.

- 1951 - (and Pritchard, D.) Physical limnology of Lake Mead. *Lake Mead Sedimentation Survey, Rept.* 258, 152 pp.

ANDERSON, F. S.

- 1946 - East Greenland lakes as habitats for Chironomid larvae. *Medd. om Gronl.*, 100 (10) : 65.

ANDERSON, G. E.

- 1936-37 - (compiled by Russel, R. and Taylor, R.) Bibliography on roundness and shape of sedimentary particles. *Ann. Rept., Committee on Sedimentation, Nat. Res. Coun.*

ANDREWS, E.

- 1867 - Observations upon the glacial drift beneath the bed of Lake Michigan, as seen in the Chicago Tunnel. *Am. Jour. Sci. (New Haven)*, 2nd ser., 93 : 75-77.
- 1870 - The North American lakes considered as

- ANDREWS, E. - continued
chronometers of postglacial times. *Chicago Acad. Sci.*, 2.
- ANDREWS, T. F.
1948 - Temporary changes in certain limnological conditions in western Lake Erie produced by a windstorm. *Ecology*, 29 (4) : 501-505.
- ANDRUSOFF, N.
1891 - Exploration of the Black Sea. *Jour. Geog.*, 1 : 49-51.
- ANGSTROM, A. (see Atkins, W., 1938.)
- ANONYMOUS
1899 - Vertikale temperaturverteilung im Schwarzen und Kaspischen Meere. *Ann. Hydrogr. Marit. Met.*, 27 : 468.
1904 - Ancient lake beaches on the islands of Georgian Bay. *Am. Geol.*, 33 : 311-318.
1922 - Experience with breakwater design on the Great Lakes. *Eng. News-Record*, 89 (17) : 684-688.
1931 - Breakwater construction for new type of Great Lakes harbor. *Eng. News-Record*, 106 (25) : 1,017-1,019.
1936 - Core samples of the ocean bottom. *Carnegie Inst. Wash. News Service, Bull.* 4 (9) : 83-87.
1943 - More power water flows into the Great Lakes. *Power*, 87 : 76-77.
1945 - Permeable jetties built to protect Cleveland's shore. *Eng. News-Record*, 135 (2) : 89.
1954 - Lake Erie waters came to 100 ft. of present lake house 50 years ago, old card tells. *Port Clinton Herald and Republican*, April 16, page 1, sec. B.
- ANTEVS, E.
1931 - Lake-glacial correlations and ice recessions in Manitoba. *Canada Geol. Survey Mem.*, 168 : 1-76.
- APFEL, EARL T.
1946 - Origin of the New York finger lakes. *Geol. Soc. Am., Bull.* 57 : 1,175.
- ARTHUR, R. S.
1945 - Wave travel, variability in direction. *Scripps Inst. of Oceanography, Univ. of Calif., La Jolla, Calif.*, 30 pp., map, tables, diagrams, (S.I.O. Wave Project No. 52).
- ATKINS, W. R. G. (see Poole, H. H., 1926, 1929.)
1925 - On the thermal stratification of sea water and its importance for the algal plankton. *Jour. Mar. Biol. Assoc.*, 13 : 693-699.
1930 - Seasonal changes in the nitrite content of sea water. *Jour. Mar. Biol. Assoc.*, 16 : 515-518.
1932 - Solar radiation and its transmission through air and water. *Jour. Cons. Int. l'Expl. Mer*, 7 : 171-211.
1938 - (and others) Measurement of submarine daylight. *Jour. Cons. Int. l'Expl. Mer*, 13 (1) : 37-57.
- ATKINS, W. R. G. - continued
1930 - (and Poole, H. H.) The photochemical and photoelectrical measurement of submarine illumination. *Jour. Mar. Biol. Assoc.*, 16 : 509-514.
- ATWATER, CALEB
1826 - Facts and remarks relating to the climate, diseases, geology, and organized remains of parts of the State of Ohio. *Am. Jour. Sci.*, 11 : 224-231.
- ATWOOD, E. H.
1891 - The movement of ice on Minnesota lakes. *Am. Geol. (Minneapolis)*, 7 : 252-254.
- AUERBACH, M.
1931 - (and Schmalz, J.) Die oberflächen und tiefenströme des Bodensees II. Die konstanter stromungen des untersees des Seerheins und der konstanzer bucht. *Arch. f. Hydrobiol.*, 23 : 231-249.
- AUSTIN, J. M. (see Haurwitz, B., 1944.)
- BACHE, A. D.
1859 - On the tidal currents of New York Harbor near Sandy Hook. *U. S. Coast Survey, Rept. for 1858*, pp. 197-203.
- BADER, H.
1951 - Introduction to ice petrofabrics. *Jour. Geol.*, 59 : 519.
- BAGNOLD, R. A.
1942 - Beach formation by waves. *Dock and Harbor Auth.*, 23 (261) : 85-89.
1946 - Motion of waves in shallow water. Interaction between waves and sand bottom. *Royal Soc. Proc. (Ser. A)*, 187 : 1-18.
1947 - Sand movements by waves, some small scale experiments with sand of very low density. *Inst. Civ. Eng. Long. Jour.*, 2 (4) : 447-469.
- BAILEY, L. W.
1917 - The geological features of the St. Croix River and Passamaquoddy Bay. (1915 - 16). *Contributions to Canadian Biology*, pp. 109-112.
- BAILEY, W. B. (see McLellan, H. J., 1953.)
- BALDWIN, R. (see Doodson, A. T., 1920.)
- BALL, ROBERT
1861 - List of plants collected on the south and east shores of Lake Superior and on the north shore of Lake Huron, in 1860. *Ann. Bot. Soc. Can. (Kingston)*, 1 : 67.
1899 - Geological history of Lake Superior. *Trans. Can. Inst. (Toronto)*, 6 : 45.
- BALL, R. C. (see Brown, C. J. D., 1940)
- BALL, T. H.
1897 - The Lake Michigan and Mississippi watershed. *Indiana Acad. Sci. Proc. (Indianapolis)*, 1896 : 72.
- BANCROFT, W. D.
1919 - The color of water. *Jour. Frank. Inst.*, 187 : 459-485.

- BARKSDALE, W. L. (see Black, R. F., 1949.)
- BARLOW, A. E.
1897 - Pleistocene. Connecticut Geol. and Nat. Hist. Survey Bull., 10 : 129.
- BARNES, H. T.
1914 - (and others) The expansive force of ice. Royal Soc. Can. Proc. Trans. 8 (3) : 29-47.
1929 - Science of ice engineering. Sci. Mon., pp. 289-297.
1934 - (and Jahn, T. L.) Properties of water of biological interest. Quart. Rev. Biol., 9 : 293-341.
- BARROIS, T.
1893 - Sur la Profondeur et la Temperature du lac de Tiberiade. Comptes Rendus Soc. Geog. Paris. 1893 : 449. (Translation in Palestine Exploration Fund, Quarterly Statement, 1894, 211.)
- BARROWS, H. K.
1907 - (and Horton, A. H.) Surface water-supply of Great Lakes and St. Lawrence River drainages. 1906. U.S. Geological Survey, Water-Supply Paper. 206 : 98.
- BARTLETT, J. L.
1905 - The influence of small lakes on local temperature conditions. Mon. Wea. Rev., 33 : 147.
- BASCOM, WILLARD N.
1953 - Characteristics of natural beaches. Part 2. Coastal Eng., October, Chicago, Illinois
- BEACH EROSION BOARD (see U.S. Army Engineers and Engineers, U. S Army)
n.d. - Laboratory study of equilibrium beach profile. Bull. 1 (1).
1933 - Beach erosion studies by the Federal Board. Eng. News-Record, 111 (10) : 281-283.
1933a - Interim report of the Beach Erosion Board. U. S. Engineer Dept., Rept. of Chief.
1936 - Wave tank experiments on sand movements. U. S. Engineer Dept., Rept. of Chief. 1 (2).
1937 - Report of Beach Erosion Board on erosion at Grand Isle, Louisiana. Shore and Beach, 5 (3) : 77-83.
1937a - Offshore study by Beach Erosion Board at Miami Beach. Shore and Beach, 5 (3) : 73-77.
1938 - Manual of procedure in beach erosion studies. Paper No. 2.
1938a - U. S Beach Erosion Board. Bull. Littoral drift study. Los Angeles, Calif., 2 (3) : 1-5.
1941 - A study of progressive oscillatory waves in water. U. S Beach Erosion Board, Tech. Rept.
1942 - U. S Army Corps of Engineers. Beach erosion study, Lake Erie shoreline in the vicinity of Huron, Ohio. 28 pp., House Doc. No. 220, 79th Congress, 1st Session.
1945 - U. S. Army Corps of Engineers. Beach erosion
- BEACH EROSION BOARD - continued
study, Ohio shoreline of Lake Erie from Ohio-Michigan State Line to Marblehead, Ohio. 27 pp., House Doc. No. 177, 79th Congress, 1st Session.
1950 - U. S. Army Corps of Engineers. Cleveland and Lakewood, Ohio. Beach erosion control study. 56 pp., House Doc. No. 502, 81st Congress, 2nd Session.
1950a - U. S. Army Corps of Engineers. Appendix IX Shore of Lake Erie in Lake County, Ohio. Beach erosion control study. 34 pp., House Doc. No. 596, 81st Congress, 2nd Session.
1952 - U. S. Army Corps of Engineers. Ohio shoreline of Lake Erie between Ashtabula and the Pennsylvania State Line. Beach erosion control study. 37 pp., House Doc. No. 350, 82nd Congress, 2nd Session.
1952a - U. S. Army Corps of Engineers. Ohio shoreline of Lake Erie between Fairport and Ashtabula. Beach erosion control study. 46 pp., House Doc. 351, 82nd Congress, 2nd Session.
1953 - U. S Army Corps of Engineers. Ohio shoreline of Lake Erie Sandusky to Vermilion. Beach erosion control study. 40 pp., House Doc. No. 32, 83rd Congress, 1st Session.
1953a - U. S. Army Corps of Engineers. Ohio shoreline of Lake Erie Sandusky Bay, Ohio. Beach erosion control study. 16 pp., House Doc. No. 126, 83rd Congress, 1st Session.
1953b - U. S Army Corps of Engineers. Ohio shoreline of Lake Erie Sheffield Lake Village to Rocky River. Beach erosion control study. 44 pp., House Doc. 127, 83rd Congress, 1st Session.
1953c - U. S Army Corps of Engineers. Ohio shoreline of Lake Erie between Vermilion and Sheffield Lake Village. Beach erosion control study. 44 pp., House Doc. No. 229, 83rd Congress, 1st Session.
1954 - U. S Army Corps of Engineers. Ohio shoreline of Lake Erie Euclid to Chagrin River. Beach erosion control study. 39 pp., House Doc. No. 324, 83rd Congress, 2nd Session.
- BEADLE, L. C. (see also Worthington, E. B., 1932.)
1932 - Scientific results of the Cambridge expedition to the east African lakes, 1930-1931. 4. The waters of some east African lakes in relation to their fauna and flora. Jour. Limn. Soc., 38 : 157-211.
- BEAVER, W. C.
1942 - Bacterial activities in the subaquatic soils of Lake Erie. Ohio Jour.Sci., 42 (3): 91-98.
- BECHE, H. T.
1819 - Sur la Profondeur et at Temperature du lac de Geneva. Bibl. Univ. Sci. (Geneve), 12 : 118. Edinb. Phil. Jour., 2 : 107, 1820.

- BECHE, H. T.** - continued
 1820 - Sur la temperature des lacs de Thun et de Zug en Suisse. *Bibl. Univ. Sci. (Geneve)*, 14 : 144. *Annal. d. Physik (Halle)*, 66 : 151, 1820.
 1820a - Temperature de quelques lacs de la Suisse. *Annal. d. Physik (Halle)*, 66 : 146. *Annal. d. Chemie (Paris)*, 19 : 77, 1821.
- BEEBE, W.**
 1933 - Preliminary account of deep sea dives in the bathysphere with special reference to one of 2,200 feet. *Nat. Acad. Sci. Proc.*, 19 : 178-188.
- BEHNING, A.**
 1926 - Die hydrobiologischen Anstalten der Union der Sozialistischen Sowjet-Republiken und ihre gegenwartige Tatigkeit. *Verh. d. Int. Ver. f. Theor. u. angew. Limnol.*, 3 : 151-156.
- BELCK, W.**
 1894 - Die Niveau-Schwankungen des Geoktschais. *Globus (Braunschweig)*, 65 : 301.
- BELL, H. S.**
 1942 - Density currents as agents for transporting sediments. *Jour. Geol.*, 50, pp. 512-547.
- BELL, ROBERT**
 1886 - Tepee Buttes. *Geol. Nat. Hist. Survey of Can., Ann. Rept.*, 2 : 27-28.
 1895 - Honeycombed limestones in Lake Huron. *Geol. Soc. Am.*, 6 : 297-304.
- BELLET, D.**
 1894 - Courants des Grands Lacs Americains. *La Nature (Paris)*, 22 (1) : 395.
- BELLOC, EMILE**
 1894 - Des Variations de la Temperature dans les Lacs Le montagne. *Comptes Rendus Assoc. Franc. Av. Sci. (Paris)*, 1894 : 145.
 1895 - Zones themiques des lacs. *Comptes Rendus Assoc. Franc. Av. Sci.*, 195 : 264.
- BENTELI, ALBERT**
 1900 - Die Niveauschwankungen der 13 grossern Schweizerseen, 1867-1897. *Mitt. Naturf. Ges. Bern*, 1899 : 33.
- BENTLEY, W. A.**
 1923 - Magic beauty of snow and dew. *Sci. Mon.*, Jan., pp. 103-112.
- BERCHEM, P. VAN.**
 1893 - Temperature des Eaux du Petit lac a differentes profondeurs. *Arch. Sci. Phys. Nat. (Geneve)*, ser. 3, 30 : 678.
- BERE, RUBY** (see Tresseler, Willis L., 1940.)
- BERGE, GILMAN A.**
 1936 - Notes on the dielectric separation of mineral grains. *Jour. Sed. Petrol.*, 6 (1) : 23-27.
- BETTONI, E.**
 1895 - Sopra la Temperatura delle acque del lago di Como. *Rendiconti Inst. Lomb. Sci. (Milano)*, ser. 2, 28 : 942.
- BIGELOW, H. B.**
 1931 - Oceanography, its scope, problems and economic importance. Houghton Mifflin Co., Boston & N. Y., pp. 1-263.
 1947 - (and Edmondson, W.T.) Wind waves at sea-breakers and surf. *Supt. of Documents*.
- BIGSBY, J. J.**
 1824 - Notes on the geography and geology of Lake Huron. *Geol. Soc. London, n.s.*, 1 : 175.
 1825 - Notes on the geography and geology of Lake Superior. *Quart. Jour. Sci. (London)*, 18 : 228.
 1828 - A general description of Lake Erie. *Quart. Jour. Sci. (London)*, n. s., 26 : 358-382.
 1829 - A sketch of the topography and geology of Lake Ontario. *Phil. Mag. (London)*, 5 : 1, 81, 263, 339, 424.
- BIRGE, E. A.** (see also Allegeier, 1932; see Juday, C., 1928, 1931, 1932, 1933.)
 1904 - The thermocline and its biological significance. *Am. Micr. Soc. Trans.*, 25: 5-33.
 1907 - The respiration of an inland lake. *Am. Fish. Soc. Trans.*, pp. 223-241.
 1907a - The oxygen dissolved in the waters of Wisconsin lakes. *Wis. Comm. Fish. Rept.*, pp. 118-139.
 1910 - Gases dissolved in the waters of Wisconsin lakes. *U. S. Bur. Fish. Bull.*, 28 : 1275-1294.
 1914 - (and Juday, C.) The inland lakes of Wisconsin, The hydrography and morphometry of the lakes. *Wis. Geol. and Nat. Hist. Survey, Bull.* 27, sci. ser. 9, 137 pp.
 1914a - (and Juday, C.) A limnological study of the Finger Lakes of New York. *U. S. Bur. Fish. Bull.*, 32 : 525-609.
 1915 - The heat budgets of American and European lakes. *Wis. Acad. Sci. Trans.*, 18: 1-47.
 1916 - The work of the wind in warming a lake. *Wis. Acad. Sci. Trans.*, 18 : 341-391.
 1920 - A limnological reconnaissance of West Okoboji. *Iowa Univ. Studies in Nat. Hist.*, 9 : 3-56.
 1921 - Further limnological observations on the Finger Lakes of New York. *U.S. Bur. Fish. Bull.*, 37 : 210-252.
 1922 - A second report on limnological apparatus. *Wis. Acad. Sci. Trans.*, 20 : 533-552.
 1926 - The organic content of lake water. *Nat. Acad. Sci. Proc.*, 12 : 515-519.
 1927 - The organic content of the water of small lakes. *Am. Phil. Soc. Proc.*, 66 : 357-372.
 1928 - (and others) The temperature of the bottom deposits of Lake Mendota. *Wis. Acad. Sci. Trans.*, 23 : 187-231.
 1929 - Penetration of solar radiation into lakes as measured by the thermopile. *Nat. Res. Coun.*

- BIRGE, E. A.
 Bull. 68, pp. 61-76.
 1929a - Transmission of solar radiation by waters of inland lakes. Wis. Acad. Sci. Trans., 24 : 509-580.
 1931 - A third report on solar radiation and inland lakes. Wis. Acad. Sci. Trans., 26 : 383-425.
 1932 - Solar radiation and inland lakes. Fourth report. Observations of 1931. Wis. Acad. Sci. Trans., 27 : 523-562.
- BLACK, C. S.
 1929 - Chemical analyses of lake deposits. Wis. Acad. Sci. Trans., 42 : 127-133.
- BLACK, ROBERT F.
 1950 - Permafrost. Smithsonian Inst. Ann. Rept. Pub. No. 4033, pp. 273-301.
 1949 - (and Barksdale, W. L.) Oriented lakes of northern Alaska. Jour. Geol., 57 : 105-118.
- BLANCHET, G. H.
 1926 - Great Slave Lake area, northwest territories. Dept. of Interior, Ottawa, pp. 1-58.
- BLUNT, WILLIAM T.
 1896 - Effects of gales on Lake Erie. Report of the U. S. Deep Waterways Comm., pp. 155-168.
- BOARDMAN, HARRY
 1944 - Water in its relation to inland lake level. Control. Mich. Water Cons. Conf. Housing, pp. 81-92.
- BOESEL, M. W. (see also Shelford, V. E., 1942.)
 1948 - Holoconops in the western Lake Erie. Region (Diptera : Heleidae). Ohio Jour. Sci., 48 (2) : 69-72.
- BONNEY, T. G.
 1890-91 - On the origin of the basins of the Great Lakes of America. Nature (London) 43 : 203-04.
- BOORMAN, W. R. (see Kemmerer, G., 1923.)
- BORDEN, WM. JONES.
 1933 - (and others) Beach erosion studies by Federal Board. Eng. News-Record, 111 (10) : 251-283.
 1934 - A summary interim report of the Beach Erosion Bd. Shore and Beach, 2 (1) : 8-18.
- BOULTON, J. G.
 1893 - Are the Great Lakes retaining their ancient level. Can. Rec. Sci. (Montreal), 5 : 381-385.
- BOUGHTON, R. V. (see Clemens, W. A., 1945).
- BOVARD, J. F. (see Kemmerer, G., 1923.)
- BOWEN, V. T. (see Hutchingson G., Evelyn, 1950.)
- BOWERS, N. M. AND K. C. McMURRY
 1941 - (and others) Lake shore inventory and classification. Mich. Acad. Science, 27 : 337-344.
- BOYS, P.
 1892 - Essai theorique sur les seiches Arch. Sci. Phys. Nat. (Geneve), ser. 3, 25 : 628.
- BRADLEY, W. H. (see also Bramlette, M. N.)
 1948 - Limnology and the Eocene lakes of the Rocky Mountain region. Geol. Soc. Am. Bull., 59 : 635-648.
- BRAMLETTE, M. N.
 n.d. - (and Bradley, W. H.) Geology and biology of North Atlantic deep-sea cores Part I. U. S. Geol. Survey Paper 196-A.
- BRANT, I.
 1925 - The undertow. Science, 61 (1593) : 30-31.
- BRATER, ERNEST F.
 1950 - Beach erosion in Michigan. Mich. Univ. Eng. Res. Inst. & Mich. Geol. Survey, Res. Pub. 2, 39 pp.
- BREHM, V.
 1930 - Einfuhrung in die Limnologie. Berlin, 261 pp.
- BRETT, J. R. (see also McConnel, J.A.)
 1946 - Lakes of the Skeena River drainage IV. Kitsumgallum Lake (69) : Progress reports of Pacific Biological Station and Pacific Fisheries Experimental Station, (69) : 70-73.
 1946a - (and Pritchard, A. L.) Lakes of the Skeena River drainage II. Morice Lake. Progress reports of Pacific Biological Station and Pacific Fisheries Experimental Station, (67) : 23-26.
 1946b - (and Pritchard, A. L.) Lakes of the Skeena River drainage I. Lakelse Lake. Progress reports of Pacific Biological Station and Pacific Fisheries Experimental Station (66) : 12-15.
 1950 - The physical limnology of Lakelse Lake, British Columbia. Jour. Fish. Res. Bd. Can., 8 (2) : 82-102.
 1950a - A study of the Skeena River climatological conditions with particular reference to their significance in sockeye production. Jour. Fish. Res. Bd. Can., 8 (3) : 178-187.
- BRETZ, J. H.
 1944 - Geology of the beach phenomena of Lake Michigan. Shore and Beach, 12 (2) : 31-35.
 1951 - The stages of Lake Chicago, their causes and correlations. Am. Jour. Sci., 249 : 401-429.
 1951a - Causes of the glacial lake stages in Saginaw Bay basin. Mich. Jour. Geol., 59 : 244-250.
- BRITT, N. W.
 1951 - Observations on the life history of the Collembolan Achorutes armatus. Am. Micro. Soc. Trans., 70 (2) : 119-132.
- BROCK, HENRY
 n.d. - The upper Niagara River. Can. Inst. Trans. (Toronto), ser. 3., 2 : 222-228.
- BRONSTED, J. N.
 1911 - (and C. Wessenberg-Lund) Chemisch-physikalische Untersuchungen der Danischen Gewasser. Int. Rev. d. ges. Hydrobiol. Hydrogr., 4 : 251-492.
- BROOKS, J. L.
 1951 - (and others) Edward Asahel Birge (1851-1950)

- BROOKS, J. L.** - continued
Archiv fur Hydrobiologie. Stuttgart E Schweizerbart'sche Verlagsbuchhandlung (Erwin Nagele), 45 : 235-243.
- BROWN, C. J. D.**
1938 - (and others) The size of certain naiades from western Lake Erie in relation to shoal exposures. *Am. Mid. Nat.*, 19 (3) : 682-701.
1940 - (and R. C. Ball) A rowboat crane for the hauling limnological sampling apparatus. *Limn. Soc. Am. Spec. Pub.* 3.
1943 - Coloring lake maps. *Limn. Soc. Am. Spec. Pub.* 12.
- BROWN, CARL B.** (see Eakin, Henry, M., 1936.)
- BROWN, E. I.**
1932 - (and Clark, G. C.) Ice thrust in connection with hydroelectrical plant design. *Eng. Jour.*, Jan., 1932, pp. 18-25.
1938 - Studies of beach erosion. *Eng. News-Record*, 120 (8) : 299-302.
1939-40 - Beach erosion studies. *Am. Soc. Civ. Eng. Trans.*, 65 (1) : 29-89; *Trans.*, 66 (8) : 869-919.
1940 - Beach erosion studies. *Am. Soc. Civ. Eng. Trans.*, 105 : 869-918.
1946 - (and others) Thrust exerted by expanding ice sheet, discussion. *Am. Soc. Civ. Eng. Proc.*, 72 : 1391-1397.
- BRYSON, R. A.** (see also Ragotzkie, R. A., 1953; Verber, 1953b, 1953c.)
1951 - (and Suomi) Midsummer renewal of oxygen within the hypolimnion. *Jour. Mar. Res.*, 10 (3) : 263-269.
1952 - The circulation of Lake Mendota. *Am. Geophys. Union Trans.*, 33 (5) : 707-712.
1954 - (and Robert A. Ragotzkie) Preliminary report on internal waves in lakes. Dept. of Meteorology, #11. Rept. to the Univ. of Wis., Lake Inves. Comm., 17 pp.
- BUCHER, W. H.**
1919 - On ripples and related sedimentary surface forms, their paleographic interpretation. *Am. Jour. Sci.*, 47 (279) : 149-210.
- BUCKLEY, E. R.**
1900 - Ice ramparts. *Wis. Acad. Sci. Trans.*, 13 : 141-162.
- BURT, W. V.** (see Pritchard, D. W., 1951.)
- BUSH, JAMES**
1951 - Derivation of a size-frequency curve from the cumulative curve. *Jour. Sed. Petrol.*, 21 (3) : 178-182.
- BUTCHER, R. W.**
1927 - (and others) Diurnal variation of oxygen in river waters. *Biochem. Jour.*, 21 : 945; 1423-1435.
- CALDWELL, J. M.** (see also Saville Jr., T., 1953.)
1948 - (U. S. Corps Eng.) An ocean wave measuring instrument. Beach Erosion Board. Tech. Memo. 6, 28 pp.
1949 - (U. S. Corps Eng.) Reflection of solitary waves. Beach Erosion Board., Tech. Memo. 11, 19 pp.
- CAMERON, A. E.** (see also Fraser.)
1922 - Post-glacial lakes in the Machenzie River basin, Northwest Territories. *Can. Jour. Geol.*, 30 : 337-353.
- CAREY, E. P.**
1896 - Ice phenomena in Green Bay, Lake Michigan. *Sci. n. s.*, 3 : 715.
- CAREY, R. M.** (see Doodson, A. T., 1920.)
- CARL, G. CLIFFORD**
1953 - Limnobiology of Cowichan Lake, British Columbia. *Jour. Fish. Res. Bd. Can.*, 9(9) : 417-499.
- CARMAN, J. ERNEST**
1927 - The Monroe division of rocks in Ohio. *Jour. Geol.*, 35 : 481-506. *Abst. Geol. Soc. Am. Bull.*, 38 : 136, 1927. *Pan-Am. Geol.* 47 : 78.
1946 - The geologic interpretation of scenic features in Ohio. *Ohio Jour. Sci.* 46 (5) : 241-283.
- CARNEY, FRANK**
1909 - Ancient valley of N. Ohio. *Jour. Geol.*, 17 : 473.
1909a - The raised beaches of the Berea, Cleveland and Euclid sheets, Ohio. *Denison Univ., Sci. Lab. Bull.*, 14 : 262-287. *Ohio Acad. Sci. Proc.*, 5 : 225-253.
1910 - The glacial erosion on Kelley's Island, Ohio. *Geol. Soc. Am. Bull.*, 20: 640-645.
1911 - The abandoned shorelines of the Vermilion quadrangle, Ohio. *Denison Univ., Sci. Lab. Bull.*, 16 : 233-244., 2 figs.
1911a - Lake Maumee, in Ohio. (abst) *Geol. Soc. Am. Bull.*, 22 : 726.
1913 - Some pro-glacial lake shorelines of the Bellevue quadrangle, Ohio. *Denison Univ., Sci. Lab. Bull.*, 17 : 231-246., 4 figs.
1916 - The shorelines of glacial lakes Lundy, Wayne and Arkona, of the Oberlin quadrangle, Ohio. *Denison Univ., Sci. Lab. Bull.*, 18 : 356-361.
1916a - The abandoned shorelines of the Ashtabula quadrangle, Ohio. *Denison Univ., Sci. Lab. Bull.*, 18 : 362-269.
1954 - Manuscript and notes on the beach ridges of the glacial lakes Unpub. Man., Ohio Geol. Survey, 162 pp.
- CARPENTER, K. E.**
1928 - Life in inland waters. New York, 267 pp.
- CARPENTER, J. H.**
1954 - (and others) Notes on accessories for free divers. Parts I and II. The Chesapeake Bay, John Hopkins Univ.

- CARPENTER, W. B.
1875 - Ocean circulation. *Contemporary Review* 26, 567 pp.
- CARR, JOHN H. (see also Vanoni, Vito A., 1951.)
1952 - Long period waves or surges in harbors. *Am. Soc. Civ. Eng. Proc.* 78, Separate No. 123.
- CARROLL, W. J. (see Reeks, W. A., 1949.)
- CARRUTHERS, J. N.
1925 - The water movements in the neighborhood of the English Channel-North Sea junction; Drift bottle experiment. *Jour. Mar. Biol. Assoc., n. s.*, 13 (3) : 665-669.
1930 - Further investigations upon the water movements in the English Channel. Drift-bottle experiments in the summers of 1927, 1928 and 1929, with critical notes of drift-bottle experiments in general. *Jour. Mar. Biol. Assoc., n. s.*, 17 (1) : 241-275.
1935 - The flow of water through the Straits of Dover. *Min. Agric. Fish., Fish. Invest.* Pt. 2, 14 (4) : London.
1951 - (and others) Studies of water movements and winds at various lightvessels II. At the seven stones lightvessel near the Scicly Isles. *Jour. Mar. Biol. Assoc. of U.K.*, 29 (3) : 567-586.
- CARTER, N. M. (see Clemens, W. A., 1938.)
- CASE, E. C.
1906 - Lake Michigan. A peculiar form of shore-ice. *Jour. Geol., Chicago*, 14 : 134.
- CASPARI, W. A.
1910 - Chemical composition of lake waters. In Murray and Pullar's *Bathymetrical Survey of the Scottish fresh-water lochs*, 1 : 145-155.
1910a - Deposits of the Scottish fresh water lochs. In Murray and Pullar's *Bathymetrical Survey of the Scottish lochs*, 1 : 261-274.
- CHADWICK, GEORGE H.
1925 - Chagrin formation of Ohio. *Geol. Soc. Am. Bull.*, 36 : 455-464, 2 figs.; abstr., 35 : 99, 1924; *Pan-Am. Geol.*, 41 : 148-149, 1924.
- CHAMPION, A. R. (see Emery, K. O., 1948.)
- CHANDLER, D. C. (see also Weeks, 1945.)
1940 - Limnological studies of western Lake Erie I. Plankton and certain physical-chemical data of the Bass Islands region from September, 1938 to November, 1939. *Ohio Jour. Sci.*, 40 (6) : 291-336.
1942 - Limnological studies of western Lake Erie II. Light penetration and its relation to turbidity. *Ecology*, 23 : 41-52.
1942a - Limnological studies of western Lake Erie III. Phytoplankton and physical-chemical data from November, 1939 to 1940. *Ohio Jour. Sci.*, 42 (1) : 24-44.
1944 - Limnological studies of western Lake Erie. IV. Relation of limnological climatic factors to the
- CHANDLER, D. C. - continued
phytoplankton of 1941. *Am. Micro. Soc.*, 63 : 203-236.
1945 - (and Owen B. Weeks) Limnological studies of western Lake Erie V. Relation of limnological of meteorological conditions to the production of phytoplankton in 1942. *Ecol. Mono.*, 15 : 435-456.
- CHANNING, EDWARD
1909 - (and Marion F. Lansing) The story of the Great Lakes. (New York and London), 398 pp.
- CHAPMAN, F.
1922 - Sea-floor deposits. *Australia Sci. Res., Ser. A* 2(1), *Ant. Expl.*, 1911-14.
- CHAPMAN, R. N.
1931 - Animal ecology. New York, 464 pp.
- CHAPPIUS, P. A.
1927 - Die Tierwelt der unterirdischen Gewässer. Die Binnengewässer. Bd. III, 176 pp.
- CHARNOCK, H.
1954 - Energy transfer between air and water. *Int. Soc. Limn. Proc. Cambridge, Eng. Sept.*, 1953.
- CHRYSAL, G.
1905 - On the hydrodynamical theory of Seiches. *Roy. Soc. Edinb., Part III.*, 41 (25) : 599-649.
1905 - (and Wedderburn, E.M.) Calculation of the periods and nodes of lochs Earn and Treig from the bathymetric data of the Scottish Lake Survey. *Roy. Soc. Edinb. Trans.*, 41 : 823.
1908-09 - An investigation of the Seiches of Loch Earn by the Scottish Lake Survey. *Roy. Soc. Edinb. Trans., Part III.*, 46 (20) : 455-518.
1910 - Seiches and other oscillations of lake surfaces, observed by the Scottish Lake Survey. In Murray and Pullar's *Bathymetrical Survey of the Scottish fresh-water lochs*, 1 : 29-90.
- CHUMLEY, J.
1910 - Bibliography of limnological literature. In Murray and Pullar's *Bathymetrical Survey of the Scottish fresh-water lochs*, 1 : 659-753.
- CHURCH, PHIL E.
1942 - The annual temperature cycle of Lake Michigan I. Cooling from late autumn to the terminal point, 1941-42. *Inst. Meteorology of the Univ. of Chicago, Misc. Rept.* 4.
1945 - Steam-fog over Lake Michigan. *Am. Geophys. Union Trans.*, 26 : 353.
1945a - The annual temperature cycle of Lake Michigan II. Spring warming and summer stationary periods. 1942, *Inst. of Meteorology, Univ. of Chicago, Misc. Rept.* 18, pp. 1-100.
1946 - The annual temperature cycle in Lake Michigan. *Am. Geophys. Union Trans.*, 27 : 109-110.
- CHURCHILL, E. P. (see Over, W. H., 1927.)

CLASSEN, EDWARD

- 1898 - On erratic boulders in the valley of the Rocky River, Cuyahoga County, Ohio. Ohio Acad. Sci. Sixth Ann. Rept., pp. 43-44.

CLARK, C. (See Brown, C. J. D., 1938.)

CLARK, G. C. (See Brown, E., 1932.)

CLARK, L. J.

- 1892 - Lake currents. Royal Can. Inst. Trans. (Toronto), 2 : 154-157; 3 : 275-280, 1893.
1893 - Formation of Toronto Island. Can. Trans. Inst. (Toronto), ser. 3, 1 : 239-246.

CLARK, H. W. (see Evermann, B. W., 1920.)

CLARK, W. M.

- 1928 - The determination of hydrogen ions. 3rd ed., Baltimore, 717 pp.

CLARKE, C. L. (see Brooks, J. L., 1951.)

CLARKE, G. L. (see also Atkins, W. R. G., 1938.)

- 1933 - Observations on the penetration of daylight into Mid-Atlantic and coastal water. Biol. Bull., 65 : 317-337.

CLARKE, H.

- 1924 - The composition of the river and lake waters of the U. S. Geol. Survey Prof. Paper, 135:1-199.

CLAYPOLE, E. W.

- 1877-78 - On the pre-glacial geography of the region of the Great Lakes. Can. Nat., 8 : 187-206.
1881 - Evidence from the drift of Ohio, Indiana, and Illinois in support of the preglacial origin of the basins of Lake Erie and Ontario. Am. Assoc. Adv. Sci. Proc. (Salem), 30 : 147-166.
1881a - Pre-glacial formation of the beds of the great American lakes. Can. Nat. and Geol. (Montreal), 9 : 213.
1887 - The lake age in Ohio, or, some episodes in the retreat of the North American glacier. Edinb. Geol. Soc. Trans., 5 : 421-458; Rept. 42 pp., Edinb., 1887; Am. Assoc. Adv. Sci. Proc., 36 : 218, 1888.
1892 - An episode in the history of the Cuyahoga River. (abst.) Am. Assoc. Adv. Sci. Proc., 41 : 176.
1898 - On the pre-glacial geography of the region of the Great Lakes. Can. Nat. and Geol. (Montreal), 8 : 187.

CLEMANS, HOWARD P.

- 1950 - Life cycle and ecology of Gammarus fasciatus Say. O.S.U., F. T. Stone Inst. of Hydrobiology, Cont. No. 12, pp. 1-63.

CLEMENS, W. A.

- 1923 - The limnology of Lake Nipigon. Toronto Univ. Studies Biol. Series. Ontario Fish. Res. Lab., 11 : 1-31.
1924 - The limnology of Lake Nipigon in 1923. Toronto Univ. Studies Biol., series 25, Pub. Ontario Fish. Res. Lab. 22, pp. 3-14.

CLEMENS, W. A. - continued

- 1938 - (and others) A contribution to the limnology of Shuswap Lake, British Columbia. British Columbia Fish. Dept. Rept. 1937, pp. 91-97.
1939 - (and others) A biological survey of Okanagan Lake, British Columbia Fish. Res. Bd. Can. Bull., 56 : 170.
1945 - (and others) A preliminary report on a fishery survey of Teslin Lake, British Columbia. British Columbia Fish. Dept. Rept., 1944, pp. 70-75.

CLEVE, P. T.

- 1900 - The seasonal distribution of Atlantic plankton organisms. Goteborgs Kundl. Vet. och. Vitterhets Samhalles Handlingar, 17 : 1-36.

CLINTON, DEWITT

- 1827 - On certain phenomena of the Great Lakes of America. Edinb. Jour. Sci., 7 : 290-298.

COHEE, G. V. (see Shepard, F. D., 1934.)

COKER, R. E.

- 1933 - Influence of temperature on size of freshwater copepods (Cyclops). Int. Rev. d. ges. Hydrobiol. Hydrogr., 29 : 406-436
1947 - This great and wide sea. U. North Carolina Press, Chapel Hill.

COLEMAN, A. P.

- 1901 - Sea beaches of eastern Ontario. Can. Geol. Surv. Ann. Rept., 10 : 215-227.
1922 - Glacial and post-glacial lakes in Ontario. No. 21. Pub. of Toronto Univ. Studies, Biol. Series, Ontario Fish. Res. Lab.

COLLET, L. W.

- 1925 - Les Lacs, leur mode de formation, leurs eaux, leur destin. Elements d'hydro-geologie. Paris, 320 pp.

COLLIE, G. L.

- 1901 - Wisconsin shore of Lake Superior. Geol. Soc. Am., Bull. 12, p. 197. 2 : 197.

COLLINS, W. D.

- 1923-24 - Temperature of water available for industrial use in the U. S. Contributions to the hydrology of the U. S. U.S. Geol. Survey Water-Supply Paper, pp. 520-524, 97-101.

COLLOQUIM ON THE FLUSHING OF ESTUARIES.

- 1950 - Woods Hole Oceanographic Inst. Office Naval Research, Cont. No. Nonr. 169 (00). Hydrodynamics Lab., M.I.T., pp. 1-206.

COLMAN, JOHN S.

- 1950 - The sea and its mysteries. W. W. Norton and Co., New York, pp. 1-261.

COMSTOCK, O. B.

- 1872 - Tides at Milwaukee, Wisconsin IN: Annual Report of the Chief of Engineers to the Secretary of War for the year 1872, Appendix Z (A), pp. 1035-1040, Washington.
1873 - Water level and meteorological observations

- COMSTOCK, O. B. - continued
IN: Annual Report of the Chief of Engineers to the Secretary of War for the year 1873, Appendix B B, pp. 1,172-1,173, 1,194, Washington.
- CONGER, NORMAN B.
1899 - Water temperature of the Great Lakes. *Mon. Wea. Rev.*, (8) : 352.
- COOK, CHARLES W.
1925 - The influence of joints in the formation of the islands of western end of Lake Erie. *Papers, Mich. Acad. Sci.*, 5 : 243-251.
- COOLEY, L. E.
1896 - Report of technical work. *Rept. U. S. Deep Waterways Comm.*, pp. 33-38.
- COPELAND, G. G.
1912 - The temperatures and densities and allied subjects of Passamaquoddy Bay and its environs, their bearing on the oyster industry (1906-10), *Contribution to Canadian Biology*, pp. 281-294.
- CORE, EARL L.
1948 - The flora of the Erie islands. *O. S. U., F. T. Stone Inst. of Hydrobiology, Contrib. No. 9*, pp. 1-106.
- CORKAN, R. H.
1949 - The levels in the North Sea associated with the storm disturbance of 8 January 1949. *Phil. Trans. Roy. Soc. (A)*, 242 : 493, London.
- CORTHELL, E. L.
1914 - The war against the waves. *Eng. Rec.*, 69 : 408-412.
- COTTINGHAM, KENNETH
1919 - The origin of the caves of Put-in-Bay, Ohio. *Ohio Jour. Sci.*, 20 : 38-42.
- COWLES, R. P.
1923 - (and A. M. Schwitallia), The hydrogen-ion concentration of a creek, its water-fall, swamp, and ponds. *Ecology*, 4 : 402-416.
- CRAIG, WALLACE
1925 - The undertow. *Science*, 62 (1593) : 30.
- CRAWFORD, L. C.
1953 - Hydrology of Lake Erie and tributaries. *Lake Erie Pollution Survey, Ohio Dept. Nat. Res., Div. Water*, pp. 19-28.
- CROOK, J. (see Cole, G. J., 1910)
- CROOKE, R. C. (See Morrison, J. R., 1953)
- CROSBY, HENRY (See Stetson, H. C., 1941)
- CROSS, W. P.
1946 - Floods in Ohio magnitude and frequency. *Ohio Water Resources Board, Bull. No. 7, Columbus, Ohio*, 154 pp.
- CROWELL, J. C.
1947 - Transportation of sediments in the sea by currents. *Geol. Soc. Am., Bull.* 58, p. 1249.
- CRUIKSHANK, E.
1895 - The journal of Captain Walter Butler, on a voyage along the north coast of Lake Ontario, March 1779. *Can. Inst. (Toronto)*, 4 : 279.
- CUENOT, L.
1933 - La seiche commune de la Méditerranée: étude sur la naissance d'une espèce. *Arch. Zool. Exp. Geneva*, 75 : 319.
- CUMMING, F. G. (see Reek, W. A., 1948, 1948a)
- CUMMINGS, N. W.
1940 - The evaporation energy equations and their practical application. *Am. Geophys. Union Trans.*, 21st Ann. Mtg., Part 2, pp. 512-522.
- CUSHING, H. P.
1931 - (and others) Geology and mineral resources of the Cleveland district, Ohio. *U. S. Geol. Survey, Bull.* 18, pp. 1-138.
- CUTENBERG, B.
1933 - Tilting due to glacial melting. *Jour. Geol.*, 41 : 449-467.
- CUTHBERT, F. L.
1944 - Clay minerals in Lake Erie sediments. *Am. Mineralogist*, 29 : 378.
- DAIBER, F.
1950 - Life history and ecology of the Sheepshead *A. grunniens*. Ph.D. Thesis, Ohio State University Lib., unpublished, pp. 35-47, 103-117.
- DAMAS, H.
1954 - Recherches limnologiques au Ruanda Urundi. *Int. Soc. Limn. Proc., Cambridge, England*, Sept. 1953.
- DANA, J. D.
1879 - *Manual of geology*. 3rd edition.
- DAPPLES, E. C. (see Sloss, L. L., 1949)
1942 - The effect of macro-organisms upon near-shore marine sediments. *Jour. Sed. Petrol.*, 12 (3) : 118-126.
- DARLINGTON, HENRY TOWNSEND
1939 - Some vegetation aspects to Beavers Islands, Lake Michigan. *Mich. Acad. Sci., Papers*, 25 : 31.
- DARROW, W. E.
1942 - The hydrologic aspects of beach material supply, with specific reference to the shore-line at Long Beach, California. *Am. Geophys. Union Trans.*, 23rd Ann. Meeting, Part 2, pp. 644-649.
- DAVID, W. M.
1882 - On the classification of lake basins. *Boston Soc. Nat. Hist. Proc.*, 21 : 315.
- DAVIS, R. E.
1940 - (and F. S. Foote) *Surveying theory and practice*. McGraw Hill (3rd Edition), pp. 7, 9-12, 750-767, 771-783.
- DAVIS, W. M.
1925 - The undertow myth. *Science*, 61(1573):206-208.
1925a - The undertow. *Science*, 62 (1593) : 33.
- DAWSON, G. M.
1875 - The fluctuations of the American lakes and the

- DAWSON, G. M. - continued
development of sun-spots. *Can. Nat. Jour. Sci.*, n. s., 7 : 310-317.
- DAY, P. C.
1926 - Precipitation in the drainage area of the Great Lakes. 1875-1924. *Mon. Wea. Rev.*, 54 (3) : 85-106.
- DEACON, G. E. R.
1949 - Recent studies of waves and swell. *New York Acad. Sci.*, 51 : 475-482.
- DEANE, H. J.
1936 - (and E. Latham) Preservation of the sea beaches. *Eng.*, London, 142 (3689) and (3690).
- DEANE, R. E.
1950 - Pleistocene geology of the Lake Simcoe district, Ontario. *Can. Geol. Survey Mem.*, 256:77.
- DEARBORN, H. A. S.
1829 - On the variation of level in the great North American lakes. *Am. Jour. Sci. (New Haven)*, 16 : 78-94.
- DEASON, HILLARY J.
1932 - A study of surface currents in Lake Michigan. *The Fisherman*, 1 (5) : 3-4, 12.
1933 - Geological formation of Great Lakes. *The Fisherman*, 2 (3) : 3-4.
1936 - Bottles set adrift on Lake Michigan yield information on surface currents. *Mich. Cons.*, 6 (6) : 9.
- DEEVEY, EDWARD S.
1940 - Limnological studies in Connecticut. V. A contribution to regional limnology. *Am. Jour. Sci.*, 238 : 717-741.
1941 - Limnological studies in Connecticut. VI. The quantity and composition of the bottom fauna in thirty-six Connecticut and New York lakes. *Ecol. Mono.*, 11 (4) : 413-455.
1946 - Some problems of the spring overturn in stratified lakes. *Jour. N. E. Water Works Assoc.*, 60 : 182-187.
1954 - Limnological observations in Guatemala and El Salvador. *Int. Soc. Limn. Proc.*, Cambridge, England, Sept. 1953.
1954a - Some biogeographic implications of paleolimnology. *Int. Soc. Limn. Proc.*, Cambridge, England, Sept. 1953.
- DEFANT, A.
1918 - Neue Methode zur Ermittlung der Eigenschwingungen (Seiches) von abgeschlossenen Wassermassen (Seen, Buchten usw), *Ann. Hydrogr. Marit. Met.*, 46 : 78-85.
1918a - Untersuchungen über die Gezeitenerscheinungen in Mittelund Randmeeren, in Buchten und Kanalen. *Denk. Akad. Wiss. Wien*, pp. 96-97, Vienna.
1929 - *Dynamische ozeanographie*. Berlin.
1929a - Stabile Lagerung ozeanischer Wasserkörper
- DEFANT, A. - continued
und dazu gehörige Stromsysteme. *Veroff. Inst. Meeresk. (A)*, 19, Berlin.
1932 - Beiträge zur theoretischen limnologie *Beitr. z. Phys. der freien Atm.*, 19 : 143-150.
1932a - Die Gezeiten und inneren Gezeitenwellen des Atlantischen Ozeans. *Wiss. Ergeb. Deutschen Atlantischen Exp. Meteor. 1925-1927*, Pt. 1, 7, Berlin.
1934 - (and O. V. Schubert) Strommessungen und ozeanographische serien Beobachtungen der 40 Lander Unternehmung im Kattegat 10-17 Aug. 1931. *Veroff Inst. Meeresk (A)*, pp. 25-42, Berlin.
1935 - Der aquatoriale Gegenstrom. *Sitz. Preussischen Akad. Wiss. Phys. Math. Kl.*, : 450, Berlin.
1940 - Die ozeanographischen Verhältnisse während der Ankerstation des Altainam Nordrand des Hauptstromstriches des Golfstromes Nordlich der Azoren. *Ann. Hydrogr. Marit. Met.*, Nov., Biehelft, Berlin.
1950 - On the origin of internal tide waves in the open sea. *Sears Found., Jour. Mar. Res.*, 9 : 111.
- DE GEER, C.
1910 - A geochronology of the last 12,000 years. *Int. Geol. Cong.*, 11th Stockholm 1910 Rept., 1 : 241-253.
- DELAFIELD, JOSEPH
1822 - Geological remarks on the lake region. *Am. Jour. Sci.*, (New Haven), 4 : 282.
- DELEBECQUE, A.
1898 - *Les Lacs Francais*. Paris, 436 pp.
- DELESSE, A.
1871 - *Lithologie des mers de France et des mers principales due globe*. E. Lacroix, Paris.
- DEMAREST, D. F.
1947 - Rhomboid ripplemarks and their relationship to beach slopes. *Jour. Sed. Petrol.*, 17 (1) : 18-22.
- DEMOLL, R.
1922 - Temperaturwellen (= seiches) und Planktonwellen. *Arch. Hydrobiol.*, 13 : 313-320.
- DENISON, F. NAPIER
1897 - The Great Lakes as a sensitive barometer. *Can. Inst. Proc.*, n. s., 1 (2) : 55-63.
1897a - The origin of ocean tidal secondary undulation. *Can. Inst. Proc.*, n. s., 1 (6) : 134-135.
1897b - The Great Lakes as a sensitive barometer. *The British Assoc. Adv. Sci. Rept.*, pp. 567-568.
1897 - 1898 - A probable solution of the secondary undulations found upon self-recording tide gauges. *Can. Inst. Proc.*, n. s., 1 (1) : 28-31.
1898 - Miroba and Seiches. *Mon. Wea. Rev.*, 26 (1) : 562-563.
1898a - Periodic fluctuations of the Great Lakes. *Mon.*

- DENISON, F. NAPIER - continued
Wea. Rev., 26 (6) : 261-262.
1899 - Mirobia and Seiches. Mon. Wea. Rev., 27 (3) : 102-103.
- DENNIS, C. A.
1928 - Aquatic gastropods of the Bass Island region of Lake Erie. Stone Inst. of Hydrobiology, Ohio State Univ., Cont. No. 8.
- DENT, E. J.
1916 - The preservation of sandy beaches in the vicinity of New York City. Am. Soc. Civ. Eng. Trans., 80 : 1,786-1,828.
1931 - A new study of beach erosion. Mil. Eng., 23 (129) : 256-260.
- DESOR, EDQUARD
1850 - Notes on the terraces of Lake Erie (with letters from Charles Whittlesey and J. A. Lapam on fossils in drift deposits). Boston Soc. Nat. Hist. Proc., 3 : 291-292.
1852 - On the drift of Lake Superior. Am. Jour. Sci. 2nd ser., 63 : 93-109.
- DEWEY, C.
1839 - On the temperature of Lake Ontario. Am. Jour. Sci., 37 : 242.
1859 - Varying levels of Lake Ontario. Am. Jour. Sci., 2nd ser., 27 : 399.
- DEWEY, D.
1846 - Facts relating to the Great Lakes. Am. Jour. Sci., 2nd ser., 2 : 85-87; also in Edinb. New Phil. Jour., 17 : 295, 1847.
- DEXTER, R. W.
1942 - (and others) Annual temperature and pH fluctuations in five lakes of northeastern Ohio. Am. Mid. Nat., 28 : 708-711.
- DIETZ, R. S. (see Emery, K. O., 1941; Grim, R. E. and LaFond, E. C., 1948)
- DOAN, KENNETH H.
1941 - A relationship between increased turbidities and heavier sauger catches in Lake Erie. Ohio Jour. Sci., 41 (6) : 449-452.
1942 - Some meteorological and limnological conditions as factors in the abundance of certain fishes in Lake Erie. Ecol. Mono., 12: 293-314.
1945 - Catch of *Stizostedion vitreum* in relation to changes in lake level in western Lake Erie during the winter of 1943. Am. Mid. Nat., 33 (2) : 455-459.
- DOE, L. A. EARLSTONE
1950 - Tidal currents in Loudoun Channel. Progress Reports of Pacific Biological Station and Pacific Fisheries Experimental Station, (84) : 70-71.
- DOMOGALLA, B. P. (see Peterson, W. H. 1925; and Tressler, W., 1931)
1925 - (and others) The forms of nitrogen found in certain lake waters. Jour. Biol. Chem., 63 : 269-285.
- DOMOGALLA, B. P. - continued
1926 - (and E. B. Fred) Ammonia and nitrate studies of a lake near Madison, Wisconsin. Jour. Am. Soc. Agron., 18 : 897-911.
1926a - (and others) Seasonal variations in the ammonia and nitrate content of lake waters. Jour. Am. Water Works Assoc., 15 : 369-385.
- DOODSON, A. T.
1920 - (and others) Theoretical determination of the longitudinal seiches of Lake Geneva. Royal Soc. Edinb. Trans., 52 : 629-642.
- DRUMMOND, A. T.
1889 - Some Lake Ontario temperatures. Nature (London), 40 : 416.
1889a - Temperatures in Lake Huron. Nature (London), 39: 582.
- DUNBAR, M. J.
1945 - The state of the west Greenland Current up to 1944. Jour. Fish. Res. Bd. Can., (6) : 460-471.
1950 - Feed-back systems and oceanography. Am. Sci., 38 (4).
1951 - Resources of Arctic and Subarctic seas. Trans. Royal Soc. Can., v. 45, ser. 3, sec. 5, pp. 61-67.
- DUNN, J. R.
1953 - The origin of the deposits of tufa in Mono Lake. Jour. Sed. Petrol., 23 (1) : 18-23.
- DURST, C. S.
1924 - The relationship between current and wind. Quart. Jour. Royal Met. Soc., London, 50 : 113.
1949 - Slope of the ocean. Nature, London, 163 : 993.
- DUSSART, B.
1947 - Sur la physico-chimie des eaux du lac leman pendant l'etc. Comptes Rendus Acad. Sci., 225 : 1,357-1,358.
1948 - Recherches hydrographiques sur le lac leman. Annales de la Station Centrale d'Hydrobiologie Appliquee-Tome II.
1954 - La temperature des lacs et ses causes de variations. Proc. Int. Soc. Limn., Cambridge, England, Sept. 1953.
- DWYER, PAUL S. (see Newcombe, Curtis L., 1949)
- EAKIN, HENRY M.
1936 - (and Carl B. Brown) Silting of reservoirs. U. S. Dept. of Agri., Tech. Bull. 524.
- EARDLEY, A. J.
1952 - (and B. Stringham) Selenite crystals in the clays of Great Salt Lake. Jour. Sed. Petrol., 22 (4) : 234-238.
- EDDY, S.
1943 - Limnological notes on Lake Superior. Proc. Minnesota Acad. Sci., 11 : 34-39.
- EDMONDS, RICHARD
1848 - Observations on the cause of the recent oscillation of the waters in the Lake Ontario and other places. Edinb. New Phil. Jour., 45 : 107-109.

- EDMONDSON, W. T. (see Biglow, H.B., 1947.)
- EGE, R.
1914 - (and A. Krogh) On the relation between temperature and the respiratory exchange in fishes. *Int. Rev. Hydrobiol. Hydrogr.*, 7 : 48-55.
- EGGLETON, F. E. (see Welch, P. S., 1932, 1935)
- EHLERS, G. M. (see Landes, K. K., 1945)
- EINSTEIN, H. A.
1948 - Movement of beach sands by water waves. *Am. Geophys. Union Trans.*, 29 (5) : 653-655.
1950 - The bed-load function for sediment transportation. U.S. Dept. of Agric. Soil Conservation Service, Tech. Bull. 1026.
- EKMAN, F. L.
1876 - On the general causes of the ocean currents. *Nova Acta. Societatis Scientiarum Upsaliensis*, Ser. 3, 10, 47.
- EKMAN, V. W.
1904 - On dead water. *Sci. Results Norwegian N. Polar Exp.*, 5 (15), Christiania.
1905 - On the influence on the earth's rotation on ocean currents. *Arkiv. Met. Astron. Fysik*, 2(11), Stockholm.
1938 - A survey of some theoretical investigations on ocean currents. *Jour. Cons. Int. l'Expl. Mer*, 12 (22) : 295-327.
- ELDER, CLAYBURN C.
1942 - The Colorado River aquaduct as a supplement to local water sources. *Am. Geophys. Union Trans.*, 22 (1) : 95-103.
- ELLIS, M. M.
1931 - A survey of conditions affecting fisheries in the upper Mississippi River. *U. S. Bur. Fish., Fishery Circ.* 5, 18 pp.
- ELTON, C.
1935 - Animal ecology. Sidwick and Johnson, Ltd., London.
- ELTON, J.
1946 - Competition and the structure of ecological communities. *Jour. An. Ecol.*, 15 (1) : 54-68.
- EMBODY, G. C.
1921 - Concerning high water temperatures and trout. *Trans. Am. Fish. Soc.*, 51 : 58-64.
- EMERY, K. O. (see Shepard, F.P., 1941)
n.d. - (and R. E. Stevenson) Laminated beach sand. *Jour. Sed. Petrol.*, 20 (4) : 220-223.
1941 - (and R. S. Dietz) Gravity coring instrument and mechanics of sediment coring. *Geol. Soc. Am. Bull.*, 52 : 1685-1714.
1945 - Transportation of marine beach sand by flotations. *Jour. Sed. Petrol.*, 15 : 84-7.
1945a - The entrapment of air in beach sand. *Jour. Sed. Petrol.*, 15 : 39-49.
1948 - (and A. R. Champion) Underway bottom sampler. *Jour. Sed. Petrol.*, 18 (1) : 30-33.
- EMERY, K. O. - continued
1948a - (and Howard Gould) A code for expressing grain size distribution. *Jour. Sed. Petrol.*, 18 (1) : 14-23.
1949 - Topography and sediments of the Arctic basin. *Jour. Geol.*, 57 (5) : 512.
1950 - Contorted Pleistocene strata at Newport Beach. *Jour. Sed. Petrol.*, 20 (2) : 111-115.
1951 - Bathymetric chart of Lake Michigan. *Univ. of Minn., Inst. of Technology, Eng. Exp. Sta., Tech. Paper* 77, pp. 1-10.
1954 - (and D. E. Broussard) A modified Kullenberg piston corer. *Jour. Sed. Petrol.*, 24 (3) : 207-211.
- ENDROS, ANTON
1908 - Vergleichende Zusammenstellung der Hauptseichesperioden der bis jetzt untersuchten seen mit Anwendung auf verwandte Probleme. *Dr. A. Petermanns Mitterlungen aus Justus Perthes' Geographischer Anstalt*, 54 (2) : 39-47; (3) : 60-68; (4) : 86-88, Gotha.
- ENGINEERS, U. S. ARMY (see Beach Erosion Board; U. S. Army Engineers; and U. S. Lake Survey)
- ESCHER, B. G.
1926 - Invloed van stormen op de Kustwormig. *Ons Eigen Tyschrift.*, 4 : 65-69.
- ESHLEMAN, C. H.
1921 - Do the Great Lakes diminish rainfall in the crop growing season? *Mon. Wea. Rev.*, 49 (9) : 500-503.
- EVANS, O. F.
1938 - The classification and origin of beach cusps. *Jour. Geol.*, 46 (4).
1938a - The undertow. *Science*, 88 (2282) : 279-281.
1938b - Transportation of sediments on fresh-water surfaces by flotation. *Jour. Sed. Petrol.*, 8 (1) : 33-35.
1939 - Sorting and transportation of material in the swash and backwash. *Jour. Sed. Petrol.*, 9 (1) : 28-31.
1941 - The classification of wave-formed ripple marks. *Jour. Sed. Petrol.*, 2 (1) : 37-41.
1941a - Wave action and movement of beach sediment. *Shore and Beach*, 9 (4) : 108-109.
1942 - The origin of spits, bars and related structures. *Jour. Geol.*, 50 (7).
1942a - The relation between the size of wave-formed ripple marks, depth of water, and the size of the generating waves. *Jour. Sed. Petrol.*, 12 (1) : 31-35.
1943 - Effect of change of wave size on the size and shape of ripple marks. *Jour. Sed. Petrol.*, 13 (1) : 35-39.
1944 - The relation of the action of waves and currents on headlands to the control of shore erosion

- EVANS, O. F. - continued
 by Groins. Okla. Acad. Sci. Proc., 24.
 1944a - Some structural difference between wind-laid and water-laid deposits on the west shore of Lake Michigan. Jour. Sed. Petrol., 14 (2) : 94-96.
 1946 - Ripple marks as an aid in determining deposition environment and rock sequence. Jour. Sed. Petrol., 19 (2) : 82-86.
 1950 - On the action of waves breaking against the edge of a submerged shelf. Jour. Geol. 58 (3) : 281.
- EVERMANN, B. W.
 1920 - (and H. W. Clark) Lake Maximkuckee, a physical and biological survey. Dept. Cons., State of Ind., 2v.
- EWERS, L. A.
 1930 - The larval development of freshwater copepoda. Ohio State Univ., F. T. Stone Lab., Cont., (3) : 1-43.
- EWING, G. (see Tolstoy, 1949)
 1950 - Slicks, surface films and internal waves. Jour. Mar. Res., 9 (3) : 161-187.
- EWING, MAURICE
 1946 - (and others) Photography of the ocean bottom. Jour. Opt. Soc. Am., 36 (6) : 307-321.
 1946a - (and others) Geophysics, submarine, recent results. Geol. Soc. Am. Bull., 57 (10) : 909-934.; (Cont. No. 351, Woods Hole Oceanographic Institution.)
 1949 - Seismic studies in ocean basins. Geol. Soc. Am. Bull., 60 (12) : 1885.
 1949a - (J. Worzel) Seismic refraction measurements in the Atlantic Ocean basin. Geol. Soc. Am. Bull., 60 (8) : 1303.
- FAIRCHILD, H. L.
 1905 - Ice erosion theory a fallacy. Geol. Soc. Am., Bull. 16, pp. 13-74.
 1934 - Cayuga Valley lake history. Geol. Soc. Am., Bull. 45, pp. 233-277.
- FALSE, J. A.
 1929 - A new method of estimating stream flow based on a new evaporation formula. Carnegie Inst. Washington, Publication No. 400.
- FARNSWORTH, P. J.
 1892 - The Great Lakes basins. Science, 20 : 74-75.
- FARWELL, OLIVER A.
 1925 - Botanical gleanings in Michigan. Am. Mid. Nat., 9 (7) : 1-24.
- FELL, GEORGE E.
 1910 - The currents at the easterly end of Lake Erie and head of Niagara River, their influence on the sanitation of the City of Buffalo, N. Y. Jour. Am. Med. Assoc., 55 (10) : 828-834.
- FELLENIOUS, W.
 1921 - Experiments of wave erosion. Royal Tech.
- FELLENIOUS, W. - continued
 Univ. Lab. (Stockholm), Tech. Jour., (30).
- FENNEMAN, N. M.
 1902 - Lakes of southeastern Wisconsin. Wis. Geol. Survey, Bull. 8, 178 pp.
 1910 - The lakes of southeastern Wisconsin. Wis. Geol. Survey Bull. 8, 2nd ed., 187 pp.
 1931 - Physiography of eastern United States. McGraw-Hill Book Co., N.Y., pp. 1-714.
 1931a - Physiography of western United States. McGraw-Hill Book Co., N.Y., pp. 1-534.
- FERREL, W.
 1858 - The influence of the earth's rotation upon the relative motion of bodies near its surface. Astron. Jour., 5 : 97, Albany, Mass.
- FIELDS, W. O.
 1950 - (and M. M. Miller) - The Juneau ice field research project. Geog. Rev., pp. 179-190.
- FINCH, V.
 1942 - (and G. T. Trewartha) Physical elements of geography. McGraw-Hill Book Co., N.Y., 641 pp.
- FISH, CHARLES
 1929 - A biological survey of the Erie-Niagara system. Supplemental to 18th annual rept., 1928. State of N. Y. Cons. Dept., pp. 39-44.
 1929a - Preliminary report on the co-operative survey of Lake Erie, Season 1928. Buffalo Soc. Nat. Sci. Bull., 14 (3) : 7-15.
- FISHER, R. O.
 1953 - Some characteristics of bottom sediments along the Illinois shoreline of Lake Michigan. Coastal Engineering, Chicago, Illinois, October, Part 2.
- FITZGERALD, DESMOND
 1895 - The temperature of lakes. Trans. Am. Soc. Civ. Eng. (New York), 34 : 67-114.
- FJELSTAND, J. E.
 1929 - Ein Beitrag Zur Theorie der Winderzeugten meerestromungen Gerlands Beitr. z. Geophysik., 23.
 1933 - Interne Wellen. Norske Vidensk. Akad. Geofys., Pub. 10 (6), Oslo.
 1936 - Internal waves. Assoc. Int. Oceanog. Phys. Proc. Verb., (2) : 141, Liverpool.
- FLANIGAN, THOMAS H.
 1942 - Limnological observations on three lakes in eastern Vilas County, Wisconsin. Trans. Wis. Acad. Sci., 34 : 167-175.
- FLEMING, R. H. (see Sverdrup, H.W., 1942, 1946)
- FLINSCH, HAROLD
 1953 - The development of a sand beach by deep-water waves. Coastal Engineering, Part 2, Chicago, Ill., October.
- FLINT, R. E.
 1947 - Glacial geology and the Pleistocene Epoch.

- FLINT, R. E. - continued
John Wiley & Sons, Inc., New York
- FLINT, R. F. (see Longwell, C. R., 1932)
- FOERSTER, R. E. (see Clemens, W. A., 1938)
- FOLSOM, R. G.
1949 - Measurement of ocean waves. *Am. Geophys. Union Trans.*, 30 (5).
- FOOTE, F. S. (see Davis, R. E., 1940)
- FORBES, R. S. (see Reeks, W. A., 1948, 1948a)
- FORBES, S. A.
1887 - On some Lake Superior Entomostraca. *Rep. U. S. Fish Comm. (Washington)*, 1887 : 701.
- FORCH, C.
1909 - Über die Beziehungen zwischen Wind and Strom in Europäischen Mittelmeer. *Ann. Hydrog. Marit. Met.*, Berlin., 37 : 435.
- FOREL, F. A.
1871 - Notice sur les Brises du lac Lemman. *Bull. Soc. Vaud. Sci. Nat.*, Lausanne., 10 : 698.
1872 - Rapport sur l'étude scientifique du lac Lemman. *Bull. Soc. Vaud. Sci. Nat.*, 11 : 401.
1873 - Etude sur les seiches du lac Lemman., 12 : 212; *Bull. Soc. Vaud. Sci. Nat.*
1873a - Les Taches d'huile du lac Lemman. *Bull. Soc. Vaud. Sci. Nat.*, 12 : 148.
1875 - Les seiches des lacs. *Actes Soc. Helv. Sci. Nat.*, 157 ; 1878, 203.
1875a - Sur les seiches du lac Lemman. *Comptes Rendus Acad. Sci. (Paris)*, 80 : 107.
1875b - Carte Hydrographique du lac Lemman. *Arch. Sci. Phys. Nat. (Geneve)*, 52 : 5.
1876 - La Formule des seiches. *Comptes Rendus Acad. Sci. (Paris)*, 83 : 712; *Arch. Sci. Phys. Nat. (Geneve)*, 57 : 278, 1876; Ser. 3, 14 : 203, 1885; 25 : 599, 1891; *Annal de Chimie (Paris)*, ser. 5, 10 : 141, 1877.
1876a - Les seiches vagues d'oscillation fixe des lacs. *Annal. de Chimie (Paris)*, ser. 5, 9 : 78; *Verh. Schweiz. Naturf. Ges. (Basel)*, 61 : 203, 1878.
1876b - Le Limnimètre Enregistreur de Morges. *Arch. Sci. Phys. Nat. (Geneve)*, 56 : 305.
1877 - Essai monographique sur les seiches du lac Lemman. *Arch. Sci. Phys. Nat.*, 59 : 50.
1877a - Etude sur les variations de transparence des eaux du lac Lemman. *Arch. Sci. Phys. Nat. (Geneve)*, 59 : 137; *Comptes Rendus Acad. Sci. (Paris)*, 84 : 311, 1877.
1877b - Contributions à l'étude de la limnime trie du lac Lemman. *Bull. Soc. Vaud. Sci. Nat. (Lausanne)*, 14 : 589; 15 : 129, 305, 1878; 16 : 641, 1880; 18 : 285, 1881.
1878 - Recherches sur les rides de fond du lac Lemman. *Bull. Soc. Vaud. Sci. Nat. (Lausanne)*, 15 : 66, 77.
1878a - Seiches and earthquakes. *Nature (London)*
- FOREL, F. A. - continued
17 : 281.
1878b - Les causes des seiches. *Arch. Sci. Phys. Nat. (Geneve)*, 58 : 113.
1878c - Les seiches des lacs. Leurs Causes. *Comptes Rendus Acad. Sci. (Paris)*, 86 : 1500.
1879 - Seiches et vibrations des lacs et du la mer. *Comptes Rendus Assoc. Franc. Av. Sci. (Paris)*, pp. 493.
1879a - Notes sur les galets sculptés de la greve des lacs. *Bull. Soc. Vaud. Sci. Nat. (Lausanne)*, 15 : 27, 43, 75; 1877-78, 16 : 473.
1880 - Congelation des lacs suisses et savoyards pendant l'hiver 1879-80. *Echo des Alpes (Geneve)*, 16 : 149.
1880a - Temperatures lacustres: Recherches sur la temperature du lac Lemman et d'autres lacs d'eau douce. *Arch. Sci. Phys. Nat. (Geneve)*, Ser. 3, 3 : 501; 4 : 89.
1880b - Les seiches Dicrots. *Arch. Sci. Phys. Nat. (Geneve)*, ser. 3, 3 : 5.
1880c - La Temperature des lacs geles. *Comptes Rendus Acad. Sci. (Paris)*, 90 : 322; *A Nature (Paris)*, 8 (1) : 289.
1881 - (and Plantamour) E. Limnimetrie du Lemman. *Proces du Lemman. Materiaux. (Lausanne)*, 45.
1881 - Theorie des brouillards dans la vallee du lac Lemman. *Bull. Soc. Vaud. Sci. Nat. (Lausanne)*, 17.
1885 - Les seiches des lacs. *Guides Scientifique (Morlaix)*.
1886 - Temperature des eaux profondes du lac Lemman. *Comptes Rendus Acad. Sci. (Paris)*, 103 : 47.
1886a - Carte Hydrographique du lac des IV. Cantons. *Arch. Sci. Phys. Nat. (Geneve)*, ser. 3, 16 : 5.
1886b - L'inclinaison des couches isotherms dans les eaux profondes du lac Lemman. *Comptes Rendus Acad. Sci. (Paris)*, 102 : 712.
1886c - Le lac Lemman (Geneve) et Bale.
1887 - La penetration de la lumiere dans les lacs d'eau douce. *Festschrift für A. von Kolliker, Leipzig*.
1892 - La thermique des lacs d'eau douce. *Comptes Rendus Tran. Soc. Helv. Sci. Nat. (Geneve)*, 75 : 5; *Verh. Schweiz. Naturf. Ges. (Basel)*, 75 : 45, 1892; *Arch. Sci. Phys. Nat. (Geneve)*, ser. 3, 28 : 334, 1892.
1893 - La vitesse du courant dans le lac Lemman. *Arch. Sci. Phys. Nat. (Geneve)*, ser. 3, 30 : 282.
1893a - Stehende Wellen im Genfersee. *Meteorol. Zeitschrift. (Wien)*, 10 : 239.
1893b - Sur les seiches du lac Lemman. *Comptes Rendus Assoc. Franc. Av. Sci. (Paris)*, 22 : (1) : 204.
1893c - Oscillazioni del lago di Lugano. *Gazetta*

- FOREL, F. A. - continued
Ticinese. (Lugano).
- 1893d - Die Temperaturverhältnisse des Bodensees. Schriften ver Gesch. Bodensees (Lindau) Heft., 22.
- 1895 - Le Leman Monographie Limnologique. Librairie de Universite. Lausanne, Switzerland., 3 v.
- 1897 - Seiches des lacs et ourangan cyclone. Comptes Rendus Acad. Sci. (Paris) , 124 : 1074.
- 1897a - Les Seiches des lacs et les variations locales de la pression atmospherique. Arch. Sci. Phys. Nat. (Geneve) , ser. 4, 4 : 39, 186.
- 1900 - (and E Sarasin) Les Oscillations des lacs. Congr. Int. de, Physique (Paris), 3 : 394.
- 1900a - Les seiches des lacs. Verh. VII, Int. Geog. Kongr. (Berlin) , 1899 : 255.
- 1900b - Oscillations of lake level. Mon. Wea. Rev., 28 (10) : 446.
- 1901 - La Variation thermique des eaux. Comptes Rendus Acad. Sci. (Paris) , 133 : 1089.
- 1901a - Les seiches de Geneve. Le Globe (Geneve) , 40 : 113.
- 1901b - Etude thermique des lacs du nord de l'Europe. Arch. Sci. Phys. Nat. (Geneve) , Ser. 4, 12 : 35.
- 1901c - Handbuch der Seenkunde Allgemeine Limnologie. Verlag Von J. Engelhorn, Stuttgart.
- 1904 - Sur les seiches Bull. Soc. Vaud. Sci. Nat. (Lausanne) , 40 : 27.
- 1908 - L'eau des lacs, eau d'alimentation. Int. Rev. Hydrobiol. Hydrogr. (Leipzig) , 1 : 525.
- 1909 - Vibrations de la mer et des lacs. Arch. Sci. Phys. Nat. (Geneve) , ser. 4, 27 : 161.
- FOSHAY, P. MAX.
- 1881 - On the ancient upper course of the Ohio River emptying into Lake Erie. Proc. Am. Phil. Soc. (Phil) , 19.
- 1890 - Origin of the basins of the Great Lakes. Quart. Jour. Geol. Soc. (London) , 46 : 523-533.
- FOSKETT, D. R.
- 1947 - Lakes of the Skeena River drainage VI. The lakes of the upper Sustut River. Progress reports of Pacific biological Station and Pacific Fisheries Experimental Station, (72) : 28-32.
- 1947a - Lakes of the Skeena River drainage V. Bear Lake. Progress reports of Pacific Biological Station and Pacific Fisheries Experimental Station, (70) : 10-12.
- FRANCIS, J. R. D.
- 1953 - A note on the velocity distribution and bottom stress in a wind-driven water current system. Jour. Mar. Res., 12 (1) : 93-98, Cont. 639, Woods Hole.
- FRASER, C. MCLEAN
- 1914-15 - (and A. T. Cameron) Variations in density and temperatures in the coastal waters of British Columbia. Preliminary notes. Contributions to Canadian biology, pp. 133-143.
- FRAZIER, L. V
- 1938 - Study of wave force. U S. Army Corps of Eng. (Great Lakes Div.)
- FRED, E. B. (see Domogalla, B. P., 1926; Juday, C., 1924; Peterson, W. H., 1925)
- FREEMAN, J. R
- 1926 - Regulation of elevation and discharge of the Great Lakes. The sanitary district of Chicago, Ill., pp. 1-548.
- FREEMAN, S.
- 1933 - (and others) The determination of the hydrogen ion concentration of inland lakes. Int. Rev. Hydrobiol. Hydrogr., 29 : 346-359.
- FRISTSCH, E. E.
- 1920 - Bibliography of English and American papers on hydrobiology, 1910-1919. Rev. d'Hydro., 1 : 351-364.
- FRY, F. E. J.
- 1952 - The 1944 year class of lake trout in South Bay, Lake Huron. Trans. Am. Fish. Soc., 82 : 178-192.
- 1953 - (and M. B. Gibson) Lethal temperature experiments with speckled trout x lake trout hybrids. Jour. Heredity, 44 (2) : 56-57.
- FUGLISTER, F. C.
- 1951 - Annual variation on current speed in the Gulf Stream system. Jour. Mar. Res., 10 (1) : 119-127.
- FULLER, MYRON L.
- 1904 - Evidence of caves of Put-in-Bay, Ohio on question of land-tilting. (Abst.) Science, n.s., 20 : 761.
- GAIL, F. W. (See Shelford, V. E., 1922)
- GALLE, P. H.
- 1910 - Zur Kenntnis der Meeresströmungen. Med. Verhand. K. Nederland Meteorol. Inst., (102) : 6, Utrecht.
- GATES, F. A.
- 1926 - Sand flotation in nature. Science, 64 : 595-596.
- GAYLORD, WILLIS
- 1938 - Influence of the Great Lakes on our autumnal sunsets. Am. Jour. Sci., 33 : 335-341.
- GEIGER, RUDOLF
- 1927 - Das Klima der Bodennahem Luftschicht Die Wissenschaft. 78 : 1-154, Branschweig, Vieweg.
- GESSNER, F.
- 1954 - The limnological conditions in the lakes and rivers of Venezuela. Proc. Int. Soc. Limn., Cambridge, England, Sept. 1953.
- GIBSON, M. B. (See Fry, F. E. J., 1953)
- GILBERT, CHARLES M.
- 1947 - Cleaning mineral grains for petrographic study. Jour. Sed. Petrol., (2) : 83-85.

- GILBERT, G. K.
 n.d. - Old shore lines in the Ontario Basin. *Trans. Can. Inst. (Toronto)*, ser. 3, 6 : 2-4.
 1871 - Surface geology of the Maumee Valley. *Lyc. Nat. Hist. N. Y. Proc.*, 1 : 175-178.
 1871a - On certain glacial and postglacial phenomena of the Maumee Valley. *Am. Jour. Sci.*, 3rd ser., 1 : 339-345.
 1873 - Geology of West Sister Island. *Geol. Survey Ohio*, 1 (1) : 588-590.
 1883-84 - The topographic features of lake shores. *U. S. Geol. Survey, Fifth Annual Report*.
 1888 - Changes of level of the Great Lakes. Reprint from *News Rev.*, Form 5.
 1895-97 - Recent earth movement in the Great Lakes Region. *U. S. Geol. Survey, 18th Annual Report, Part 2*, pp. 601-647.
 1897 - Modification of the Great Lakes by earth movement. *Nat. Geog. Mag. (Washington)*, 8 : 233-247; also in *Annual Report Smithsonian Inst. (Washington)*, 1898, pp. 349, 1899.
 1898 - Recent earth movement in the Great Lakes region. *U. S. Geol. Survey, 18th Annual Report, 1896-97*, pp. 597-647.
 1908 - Lake ramparts. *Sierra Club Bull.*, 6 : 225-234.
 1914 - The transportation of debris by running water. *U.S. Geol. Survey, Paper No. 86*
- GLEISSNER, B. (see Brown, C. J. D., 1938)
- GOLDTHWAIT, J. M.
 1906 - Correlation of the raised beaches on the west side of Lake Michigan. *Jour. Geol.*, 14 : 411-424.
 1908 - A reconstruction of water planes of the extinct glacial lakes in the Lake Michigan basin. *Jour. Geol.*, 16 : 459-476.
 1910 - Shorelines of the extinct Lakes Algonquin and Nipissing in southwestern Ontario. *Geol. Survey Can. Mem.*, 10 : 18.
- GOODE, THOMAS B.
 1936 - A new method for obtaining undisturbed sand samples. *The Smithsonian Rept. for 1936*, 6 pls., pp. 207-216.
- GOODRICH, CALVIN
 1916 - A trip to islands in Lake Erie. *Annals of The Carnegie Museum*, 10 (3-4) : 527-531.
- GOODWIND, W. L.
 1892 - The water supply of the city of Kingston, Ontario. *Can. Rec. Sci.*, 5 (2) : 117-127.
- GORCIEX, C. H.
 1929 - (and L. Kreitmann) *Etude thermique de "la Batailliere" sur le Leman*. Reviewed in *Int. Rev. Hydrobiol. Hydrogr.*, 26 : 485.
- GORDON, C. H.
 1902 - Wave cutting on west shore of Lake Huron, Sanilac County, Michigan. *Rept. Mich. Bd. Geol. Survey*, 1901.
- GOTTSCHALL, R. Y.
 1933 - (and O. E. Jennings) *Limnological studies at Erie, Penn.* *Trans. Am. Micro. Soc.*, 52 (3) : 181-191.
- GOULD, HOWARD (see Emery, K. O., 1948)
- GOULD, WILLIAM H. (see White, George W., 1945)
- GRAHAM, J. D.
 1859-61 - Geographical determinations and the discovery of a lunar tidal wave in Lake Michigan. *Proc. Am. Phil. Soc. (Phil)*, 7 : 378-384; *Jour. Frank. Inst. (Phil)*, 37 : 127, 1859; *Bull. Soc. Geog. Paris*, ser. 4, 3 : 117, 1862.
 1861 - Investigations of the problem regarding the existence of a lunar tide wave on the great fresh-water lakes of North America. *Am. Assoc. Adv. Sci. Proc.*, 1860-61 : 52-60.
- GRANT, U. S. (see F. P. Shepard, 1947)
 1940 - Shallow water sediment shifting processes along the coast of Southern California. *6th Pacific Sci. Congress Proc.*, 2 : 801-5.
 1943 - Waves as a sand-transporting agent. *Am. Jour. Sci.*, 241 (2) : 117-123.
 1946 - Effect of wave breaking on shore process. *Geol. Soc. Am. Bull.*, 57 (12) pt. 2 : 1252.
 1948 - Influence of the water table on beach aggradation and degradation. *Jour. Mar. Res.*, 7 (3).
- GRAUSTEIN, J. E.
 1950-51 - Nuttall's travels into the old Northwest, and unpublished 1810 diary. *Chronica Botanica*, 14 (1/2) : 1-88. *Chronica Botanica Co.*, Waltham, Mass.
- GRAVIER, GABRIEL
 1894 - Carte des Grands lacs de l'Amerique du Nord. *Bull. Soc. Normade Geog. (Rouen)*, 16 : 388-402.
- GREEN, CHARLES K.
 1928-29 - Physical hydrography and temperature. In "A cooperative limnological survey of Lake Erie." Unpublished manuscript.
- GRENIER, F. (see Kleerekopke, H., 1952)
- GRIM, R. E.
 1949 - (and others) Clay mineral composition of some sediments from the Pacific Ocean off the California coast and the Gulf of California. *Geol. Soc. America Bull.*, 60 : 1785-1808.
- GROTE, A.
 1934 - Der sauerstoffhaushalt der Seen. *Die Binnengewässer*, Bd. 14, 217 pp.
- GROVER, N. C.
 1943 - (and A. W. Harrington) *Stream flow measurements, records and their uses*. John Wiley and Sons, Inc., N.Y., 1-363.
- GRUNSKY, C. E. (see Horton, R. E., 1927)
- GUMBEL, E. J.
 1948 - The statistical forecast of floods. The faculty of political and social sci. The New

- GUMBEL, E. J. - continued
School for Social Res. of The Ohio Res. Bd., 22.
- GUSTAFSON, T.
1932 - (and B. Otterstedt) Observations de courants dans la Baltique 1931. Svenska Hyd. Biol. Komm. Skrift., Hyd. (11) Lund.
1936 - (and B. Kullenberg) Untersuchungen von Tragheitsströmungen in der Ostsee. Svenska Hyd. Biol. Komm. Skrift., Hyd. (13) Lund.
- HACHEY, H. B.
1935 - The circulation of Hudson Bay water as indicated by drift bottles. *Science*, 82 (2125) : 275-276.
1937 - Highest water temperatures on record. Progress reports of Atlantic Biological Station Atlantic Fisheries Experimental Station and Gaspé Fisheries Experimental Station, (21) : 14-15.
1940 - Surface water temperature of the Canadian Atlantic Coast. *Jour. Fish. Res. Bd. Can.*, 4 (s) : 378-391.
1947 - Water transports and current pattern for the Scotian shelf. *Jour. Fish. Res. Bd. Can.*, 7 (1) : 1-16.
1948 - (and H. J. McLellan) High surface seawater temperatures in 1947. Progress reports of Atlantic Biological Station. Atlantic Fisheries Experimental Station and Gaspé Fisheries Experimental Station, (42) : 4-6.
1952 - Vertical temperature distribution in the Great Lakes. *Jour. Fish. Res. Bd. Can.*, 9 (7) : 325-328.
- HADAKA, K.
1950 - Lateral mixing and wind driven currents in an enclosed ocean. *Jour. Mar. Res.*, 9 (2) : 55-64.
- HAFERKORN, H. E.
1929 - Sand movement, beaches and kindred subjects. The Engineer School. U.S. Corps of Engineers, Ft. Humphreys, Virginia
1932 - Breakwaters. The Engineer School. U. S. Corps of Engineers, Fort Belvoir, Virginia.
- HALBFASS, W.
1914 - Review of A. Endros. (1913). *Int. Rev. Hydrobiol. Hydrogr.*, 6 : 556.
- HALL, JAMES
1848 - Account of investigations of Drummond's Island and the north shore of Lake Huron and Lake Michigan. *Proc. Am. Acad. Arts. Sci. (Boston)*, 2 : 253.
- HALL, W. C.
1942 - Beach protection measures. *Mil. Eng.*, 34 (200) : 292-6.
- HAMILTON, W. A. (see Phleger, F. B., 1946)
- HAMPIL, B.
1932 - The influence of temperature on the life processes and death of bacteria. *Quart. Jour. Biol.*, 7 : 172-196.
- HANSEN, H. J.
1947 - Beach erosion studies in Florida. *Fla. Univ. Eng. Indust. Exp. Sta. Bull.*, (16) : 68.
- HARDING, SIDNEY T.
1942 - Lakes. Chap. 6, pp. 220-43. *Physics of the earth. Hydrology.* McGraw-Hill.
1949 - Statistics on lake levels. *Inst. Assoc. Sci. Hydrol., Proc. Gen. Assembly, Oslo*, 1 : 349-357.
- HARE, E. K.
1950 - Climate and zonal divisions of the boreal forest formation in eastern Canada. *Geog. Rev.*, 40 : 615-35.
- HARKNESS, WILLIAM J. K.
1941 - The limnology of Lake Mize, Florida. *Pen. Fla. Acad. Sci.*, 5 : 96-120.
- HARPER, F.
1948 - Fishes of the Nueltin Lake expedition, Keewatin 1947. Part 2, historical and field notes. *Proc. Acad. Sci. Phil.*, 100 : 153-84.
- HARRINGTON, A. W. (see Grover, N. C., 1943)
- HARRINGTON, MARK W.
1895 - Surface currents of the Great Lakes as deduced from the movements of bottle papers during the seasons of 1892, 93, 94. U.S. Dept. of Agric., Wea. Bur., Bull. B. (Revised Edition), pp. 1-14, Washington, D. C.
1897 - Area and drainage basin of Lake Superior. *Nat. Geog. Mag. (Washington)*, 8 : 11.
- HARRIS, BENJAMIN B.
1940 - (and J. K. Gwynn Silvey) Limnological investigations on Texas reservoir lakes. *Ecol. Mono.*, 10 : 111-143.
- HARRIS, D. LEE
1953 - Wind, tide and seiches in the Great Lakes. U. S. Wea. Bur. In files Nov 25, 1953.
- HARRIS, R. A.
1904 - Manual of tides. Part 4, U. S. Coast Survey, Washington, D. C.
1907 - Tides in lakes and wells. In: Report, Superintendent of the Coast and Geodetic Survey, showing the progress of work from July 1, 1906 to June 30, 1907, App. 6, Manual of Tides, Part 5., Washington.
- HARVEY, ARTHUR
n.d. - The geology of N.W. Lake Superior. *Trans. Can. Inst. (Toronto)*, Ser. 3, 7 : 218-225.
- HARVEY, H. M.
1925 - Oxidation in sea water. *Jour. Mar. Biol. Assoc.*, 13 : 953-969.
1928 - Biological chemistry and physics of sea water. Cambridge, 194 pp.
- HARZA, L. F.
1940 - Slope protection against wave action. U. S. Bur. of Reclam., Tech. Mem.
- HASLER, A. D. (see Brooks, J. L., 1951)

- HATCHER, H. H.
1945 - Lake Erie. Bobbs-Merrill Co., Indianapolis, Indiana
- HARTHAWAY, E. S.
1927 - The relation of temperature to the quantity of food consumed by fishes. *Ecology*, 8 : 428-434.
1928 - Quantitative study of the changes produced by acclimatization in the tolerance of high temperatures by fishes and amphibians. *Bull. U. S. Bur. Fish.*, 43 : 169-192.
- HAURWITZ, B.
1944 - (and J. M. Austin) *Climatology*. McGraw-Hill Book Co., N. Y., 1-410.
1949 - Ocean surface waves. *N. Y. Acad. Sci.*, 51 : 343-572.
1950 - Internal waves of tidal character. *Am. Geophys. Union Trans.*, 31 : 47.
1951 - The slope of lake surfaces under variable wind stresses. Beach Erosion Board, Corps of Eng., Tech. Mem. No. 25.
- HAYFORD, JOHN F.
1922 - Effects of winds and of barometric pressures on the Great Lakes. *Carnegie Inst., Washington, D. C.*, Pub. No. 317, pp. 1-33.
- HAYWARD, J. W. (see Barnes, H. T., 1914)
- HEAVEY, W. F.
1933 - Breakwaters on the Great Lakes. *Mil. Eng.*, 25 (144) : 486-489.
- HELLAND-HANSEN, B. (see also Sandstrom, J. W., 1903)
1912 - The ocean waters an introduction to physical oceanography. Part I, General Part (Methods). *Int. Rev. Hydrobiol. Hydrogr.*, Suppl. I, pp. 1-84.
1925 - The eastern north Atlantic. *Norske Vidensk. Akad. Geofys.*, Oslo, Pub. 4 (2) : Oslo.
- HELLSTROM, B.
1941 - Wind effect on lakes and rivers. *Ingeniors Vetenskaps Akademien. Handlingar*, No. 158, Stockholm, pp. 1-191.
- HENKEL, T. (see Nichols, M. S., 1946)
- HENRY, A. J.
1899 - Normal precipitation in the region of the Great Lakes. *Mon. Wea. Rev.*, 27 : 151-153.
1899a - Sudden oscillations in lake level-pressure waves. *Mon. Wea. Rev.*, 27 (7) : 305-307.
1899b - Variations in lake levels and atmospheric precipitation. *Nat. Geog. Mag.*, 10 : 403-406.
1900 - Lake levels and wind phenomen. *Mon. Wea. Rev.*, 28 : 203-205.
1902 - Wind velocity and fluctuations of water level on Lake Erie. *U. S. Dept. of Agric., Wea. Bur. Bull.*, J. Wash., pp. 1-22.
1905 - High water in the Great Lakes. *Mon. Wea. Rev.*, 33 : 47-49.
- HENSON, W. R. (see Wellington, W. G.)
- HENTSCHEL, E.
1923 - Grundzuge der Hydrobiologie. Jena, 221 pp.
- HENTSCHEL, E. - continued
1928 - Die Grundzuge der Planktonverteilung im Sudatlantischen Ozean. *Int. Rev. Hydrobiol. Hydrogr.*, 21 : 1-6.
- HERBERTSON, A. J.
1896 - The history of the Great Lakes, and Niagara. *Knowledge (London)*, 19 : 223.
- HERLINVEAUX, R. H.
1952 - How to predict tidal currents in Juan de Fuca Strait. Progress reports to the Pacific stations, 95 : 48-51.
- HERSEY (see Ewing, 1949)
- HESS, A. D.
1941 - New limnological sampling equipment. *Limn. Soc. Am., Spec. Pub.* 6.
- HESS, W. F.
1929 - A study of the color sensitiveness of various types of photoelectric cells. *Rensselaer Polytech. Inst.*, 23, pp. 27.
- HEWITT, L. H.
1931 - Determination of the sand content of water with reference to the distance from shore and determination of the amount of sand placed in suspension by waves. *U. S. Army Corps Eng. (New England Div.)*, Experiment 16 and 23.
- HIDAKA, K. and T. SUZUKI
1949 - On the secular variations of Tusima Current. *Oceanog. Mag., Tokyo*, 1 : 39.
- HIGGINS, ELMER
1928 - Conference of Lake Erie biologists. *Science*, 67 : 309-310.
- HILL, E. J.
1893 - Sand-dune flora of Lake Michigan. *Garden and Forest*, N. Y., 6 : 15.
- HILL, H. M.
1935 - Field measurements of ice pressure at Hastings locks and Dam. *Mil. Eng.*, March-April 1935, pp. 119-122.
- HISE, C. R. VAN
1900 - Discussion on ice ramparts in lakes. *Wis. Acad. Sci. Trans.*, 13 : 158.
1893 - Historical sketch of Lake Superior region of Cambrian Times. *Jour. Geol.*, 1 : 113.
- HITE, M. P.
1925 - The undertow. *Science*, 62(1593): 31-33.
- HJORT, JOHAN (see John Murray, 1912)
- HOBBS, E. H.
1911 - Requisite conditions for the formation of ice ramparts. *Jour. Geol.*, 19 : 157-160.
- HOLZMAN (see Thornthwaite, 1939)
1952 - Submarine geology of Cortes and Tanner Banks. *Jour. Sed. Petrol.*, 22 (2) : 97-118.
- HONEYMAN, J. M.
1939 - Lacustrine investigations in the Gaspé Peninsula. *Nat. Res. Coun. Can., Rept. from the Can. Jour. Res.*, 17 : 212-224.

- HOPKINS, D. M.
1949 - Thaw lakes and thaw sinks in the Imuruk Lake area, Seward Peninsula, Alaska, *Jour. Geol.*, 57 : 119-31.
- HOPKINS, T. C. (see Whaley, H. H., 1952; Carpenter, J. H., 1954)
- HORTON, A. H. (see Barrows, H. K., 1907)
- HORTON, R. E.
1927 - (and C E Grunsky) Hydrology of the Great Lakes, Part III. Report of the Eng. Board of Review of the Sanitary District of Chicago on the lake lowering controversy and a program of remedial measures, Chicago.
- HOUGH, J. L.
1935 - The bottom deposits of southern Lake Michigan. *Jour. Sed. Petrol.*, 5 (2) : 57-80.
1939 - Bottom sampling apparatus in recent marine sediments. *Am. Assoc. Petrol. Geol.*, Tulsa.
1950 - Pleistocene lithology of Antarctic ocean-bottom sediments. *Jour. Geol.*, 58 (3) : 254.
1952 - Post-glacial low-water stage of Lake Michigan indicated by bottom sediments. *Geol. Soc. Am. Bull.*, 62 : 1265.
1953 - Geologic history of Great Lakes beaches. *Coastal Engineering, Part 2*, Chicago, Illinois, October.
1953a - Final report on the project Pleistocene chronology of the Great Lakes region, ONR, contract No. N6 ori 07133, Univ. Ill. (mimeo).
1953b - Revision of the Nipissing stage of the Great Lakes. *Ill. Acad. Sci. Trans.*, 46 : 133-141.
- HOUSSAY, F
1915 - The effect of water pressure upon the form of fishes. *Sci. Am. Suppl.*, 78 : 376-378.
- HOWE, HENRY
1891 - Historical collections of Ohio. *The Ohio Centennial Ed.*, Henry Howe and Son (1).
- HOY, P. P.
1872 - Deep-water fauna of Lake Michigan. *Wis. Acad. Sci. Trans. (Madison)*, 1 : 98; also in *Ann. Mag. Nat. Hist. (London)*, ser. 4., 9 : 319, 1873.
- HUBBARD, GEORGE D.
1908 - Some high-level terraces in southeastern Ohio. *Am. Jour. Sci.*, 4th ser., 25 : 108-112.
1908a - Ancient finger lakes in Ohio. *Am. Jour. Sci.*, 4th ser., 25 : 239-243.
1937 - Small pro-morainal lakes in western Ohio. *Geol. Soc. Am., Proc.* 1936, pp. 80-81.
1938 - Terrace levels and diastrophism. *Geol. Soc. Am. Proc.* 1937, 88 pp.
1938a - Ohio pro-glacial lakes. *Science*, n.s., 88: 617-618.
1939 - Tilted abandoned lake beds in Ohio. *Geol. Soc. Am. Bull.*, 50 : 1912; 1939 : 49; 1887, 1938.
- HUBBARD, G. D.
1942 - (and Ruth C. Rockwood) Tilted postglacial
- HUBBARD, G. D. - continued
lakes beds in Ohio. *Geol. Soc. Am. Bull.*, 53 : 227-266.
- HUET, MARCHEL
1949 - Petit Glossaire Limnologique. *Bulletin du centre Belge d'etude et documentation des eaux*. No. 3 et No. 4.
- HULSEN, K. K.
1918 - Sur la formation de l'hydrogene sulfhydrique (H₂S) au fond du lac Onega. *Bull. Acad. Sci. Russe*, (6) No. 18, pp. 2233-2240.
- HUMPHREYS, W. J.
1921 - On the difference between summer daytime and nighttime precipitation in the United States. *Mon. Wea. Rev.*, 49 (6) : 350-351.
- HUMPHRIS, C. C. (see Pincus, Howard, 1951)
- HUNTSMAN, A. G.
1918 - The vertical distribution of certain intertidal animals. *Royal Soc. Can. Trans.*, ser. III, 12 : 53-60.
- HUTCHINSON, G. E.
1930 - On the chemical ecology of Lake Tanganyika. *Science*, 71 : 616.
1937 - Limnological studies in Indian Tibet. *Int. Rev. Hydrobiol. Hydrogr.*, 35 : 134-177.
1941 - Limnological studies in Conn: IV Mechanism of intermediary metabolism in stratified lakes. *Ecol. Mono.*, 11 : 21-60.
1944 - Limnological studies in Conn. VII. A critical examination of the supposed relationship between phytoplankton periodicity and chemical changes in lake waters. *Ecology*, 25 : 3-26.
1949 - Lakes in the desert. *Am. Sci.*, 37 : 384-309.
1950 - (and V. T. Bowen) Limnological studies in Conn. IX. A quantitative radiochemical study of the phosphorus cycle in Linsley Pond. *Ecology*, 31 (2) : 194-203.
1954 - (and J. R. W. Vallentyne) New approaches to the study of the chemistry of lake sediments. *Int. Soc. Limn. Proc.*, Cambridge, England, 1953.
- HUTTER, HARRY K.
1952 - Eighty years of weather and climate at Toledo, Ohio. *Ohio Jour. Sci.*, 52 (2) : 62-75.
- HVORSLEV, J. N.
1940 - Progress in developing improved methods for obtaining undisturbed samples of soils. Presented at *Am. Soc. Civ. Eng. Mtg.*, Denver.
- HVORSLEV, M. J.
1946 - (and H. C. Stetson) Free-fall coring tube. A new type of gravity bottom sampler. *Geol. Surv. Am. Bull.*, 57 : 935-950.
- INMAN, D. L. (see also Shepard, F. D., 1950, 1951)
1950 - Report on beach study in the vicinity of Mugu Lagoon, Calif. *Beach Erosion Bd., U. S. Corps Eng., Tech. Memo.* 14, 47 pp.

IRELAND, H. A.

- 1946 - Cause and age of Pleistocene entrenchment in the Ohio and Lake Erie basins. *Geol. Soc. Am. Bull.*, 57 : 1206.

IRWIN, W. H.

- 1941 - A meter for measuring rope used to lower limnological instruments into water. *Limn. Soc. Am., Spec. Pub.* 7.

ISAACS, J. D. (see also Johnson, J. W., 1948)

- 1949 - (and R. I. Wiegell) The measurement of wave heights by means of an open-end pipe. *Am. Geophys. Union. Trans.*, 30 (4) : 501-6.

ISELIN, C.

- 1932 - Some phases of modern deep-sea oceanography. *Smithsonian report for 1932*, pp. 251-267.

JACKSON, J. R.

- 1833 - On the "seiches" of lakes. *Jour. Royal Geog. Soc. London*, 3 : 271; *Can. Jour. Sci. (Toronto)*, 2 (2) : 27-28.

JACKSON, T.

- 1853 - Variations in the level of the Great Lakes. *Can. Jour.*, 2 (2) : 25-29.

JACOBSEN, J. P.

- 1913 - Beitrag zur Hydrographie der damischen Gewasser Komm. f. Havunders Medd. Ser. Hydro. (Copenhagen), 2 (2) : 1-94.

- 1933 - (and H. Thomsen) Periodical variations in temperature and salinity in the Straits of Gibraltar. *J. Johnstone Mem. v.* pp. 275. *Liverpool.*

JAHN, T. L. (see Barnes, T. C., 1934)

JAKHELIN, A.

- 1936 - The water transport of gradient currents. *Norske Vidensk. Akad. Geofys. Pub.* 11 (11).

JEFFERSON, M. S. W.

- 1903 - The geography of Lake Huron at Kincardine, Ontario. *Jour. Geog.*, 2 : 144.

- 1903a - Shore phenomena on Lake Huron. *Jour. Geol.*, 11 : 123-4.

JENKIN, P. M.

- 1930 - A preliminary limnological survey of Loch Awe (Argyllshire) I. An investigation of some physical and chemical conditions in the loch and experiments on photosynthesis at various depths. *Int. Rev. Hydrobiol. Hydrogr.*, 24 : 24-46.

- 1942 - Seasonal changes in the temperature of Windermere (English) Lake Dis. *Jour. Am. Ecol.*, 11 (2) : 248-269.

JENNESS, JOHN L.

- n.d. - Permafrost in Canada. *Arctic*, 2 : 13-27.

JENNINGS, O. E. (see Göttschall, R. Y., 1933)

JEWELL, M. E.

- 1927 - Ground water as a possible factor in lowering dissolved oxygen in the deeper water of lakes. *Ecology*, 8 : 142-143.

JOHANSEN, F.

- 1911 - Freshwater life in north-east Greenland.

JOHANSEN, F.

- Medd. om Gronl.*, v. 45, No. 6, pp. 319-37.

- 1922 - The crustacean life of some Arctic lagoons, lakes and ponds. *Rept. Can. Arctic. Exped.* 1913-18, v. 7, pt. n., 31 pp.

JOHNSON (see Einstein)

JOHNSON, D. W.

- 1919 - Shore processes and shoreline development. *New York*, 584 pp.

- 1938 - Shore processes and shoreline development. *John Wiley & Sons., N.Y.*

JOHNSON, J. W. (see also O'Brien, M. P., 1946, 1947)

- n.d. - Recent contributions of wave research to harbor engineering. *U. S. Beach Erosion Bd. Bull.*, 3 (4) : 16-21.

- 1938 - The action of groins on beach configuration. *Univ. of Calif., Fluid Mech. Lab., Tech. Rept. HE-116-283.* (Loan on request, Buships code 847, Washington, D. C.)

- 1943 - Laboratory investigations of bed-load transportation and bed roughness. *U. S. Soil Conservation Service, Tech. Paper 50*, p. 116.

- 1946 - Handbook of graphs for use in wave investigations. *Univ. of Calif., Fluid Mech. Lab., Tech. Rept. HE-116-226.* (Loan on request, Buships Code 847, Washington, D. C.)

- 1948 - The characteristics of wind waves in lakes and protected bays. *Am. Geophys. Union Trans.*, 29 (5) : 671-81.

- 1948a - (and others) Graphical construction of refraction diagrams. *U. S. Hydrographic Office, Publ.* 605, 45 pp.

- 1949 - Final report on wave investigations. *Contract No. 43246., Univ. of Calif., Fluid Mech. Lab., Tech., Rept. HE-116-309.* (Loan on request, Buships Code 847, Washington, D. C.)

- 1949a - Relationships between wind and waves, Abbots Lagoon, California. *Univ. of Calif., Fluid Mech. Lab., Tech. Rept. HE-116-306*, 6 pp., plus plates (Loan on request, Buships Code 843, Washington, D. C.)

- 1949b - Scale effects in hydraulic models involving wave action. *Am. Geophys. Union Trans.*, 30 (4) : 517-24.

- 1949c - (and J. A. Putnam) The dissipation of wave energy by bottom friction. *Am. Geophys. Union Trans.* 30 (1) : 67-74.

JOHNSON, MARTIN W.

- 1949 - Relation of plankton to hydrographic conditions in Sweet Water Lake. *Jour. Am. Water Works Assoc.*, 41 : 347-356.

JOHNSON, W. H.

- 1948 - Limnological investigations of central Lake Erie. *Rept. to Univ. of Western Ontario.*

JOHNSON, W. M. (see Sverdrup, H. W., 1942, 1946)

- JOHNSTON, W. A.
 n.d. - Pleistocene and recent deposits in the vicinity of Ottawa, with a description of the soils. *Geol. Surv. Can., Mem.* 101, pp. 16-34.
 1916 - Late Pleistocene oscillations of sea level in the Ottawa Valley. *Geol. Surv. Can., Bull.* 24, ser. 33.
 1916a - The Trent Valley outlet of Lake Algonquin and the deformation of the Algonquin water plane in Lake Simcoe district, Ontario. *Geol. Surv. Can., Bull.* 23, ser. 32.
- JONES, W. C.
 1925 - The undertow myth. *Science*, 61 (1582) : 444.
- JONES, O. A.
 1946 - Heavy mineral beach sand concentrates. *Australian Jour. Sci. (Sidney)*, 8 (4 & 5) : 99-103.
- JUDAY, D. (see also Birge, E. A., 1914, 1914a, 1920, 1921, 1926, 1926a, 1927, 1929, 1928, 1931, 1932; Allegeier, R. J., 1932, 1934; Dommogalla, B. P., 1925; Freeman, S., 1933; Needham, J. G., 1922.)
 1907 - Studies on some lakes in the Rocky and Sierra Nevada Mountains. *Wis. Acad. Sci. Trans.*, 15 : 781-793.
 1914 - The hydrography and morphometry of the lakes. *Wis. Geol. Nat. Hist. Survey, Bull. No.* 28, sci. ser. No. 9.
 1915 - Limnological studies on some lakes in Central America. *Wis. Acad. Sci. Trans.*, 18 : 214-250.
 1924 - (and others) The hydrogen ion concentration of certain Wisconsin lake waters. *Am. Micr. Soc. Trans.*, 43 : 177-190.
 1928 - (and others) Phosphorus content of lake waters of northeastern Wisconsin. *Wis. Acad. Sci. Trans.*, 23 : 233-248.
 1931 - (and E. A. Birge) The second report on the phosphorus content of Wisconsin lake waters. *Wis. Acad. Sci. Trans.*, 26 : 352-382.
 1932 - Dissolved oxygen & oxygen consumed in the lake waters of northeastern Wisconsin. *Wis. Acad. Sci. Trans.*, 27 : 415-486.
 1932a - Limnological studies of Karluk Lake, Alaska. *U. S. Bur. Fish. Bull.*, 12 : 407-439.
 1933 - The transparency, the color and the specific conductance of the lake waters of northeastern Wisconsin. *Wis. Acad. Sci. Trans.*, 28 : 205-259.
- KALINSKE, A. A.
 1942 - Criteria for determining sand transport by surface creep and saltation. *Am. Geophys. Union Trans.*, 23, pt. 2., pp. 639-43.
- KALLSTENIUS, T. (see Kjellman, W., 1950)
- KAPLAN, K.
 1953 - Analysis of moving fetches for wave forecasting. *Beach Erosion Board, U. S. Corps Eng., Tech. Memo.* 35, 39 pp.
- KARZINKIN, G. S. (see Kusnetzow, S. I., 1931)
- KASER, PAUL
 1952 - Ground-water levels in Ohio 1949-50. *Bull.* 25, *Dept. Nat. Res.*, 103 pp.
- KELLEN, W. R.
 1954 - A new bottom sampler. *Am. Soc. Limn. and Ocean., Spec. Pub.* 22.
- KELTON, COL. EDWIN C.
 1942 - Report on cooperative beach erosion study, Mission Beach, California, *War Dept., U. S. Eng. Office.*
- KENNEDY, R. E. (see Brown, E., 1946)
- KENT, R. E. (see Pritchard, D. W., 1953)
- KEMMERER, G. J. (see also Juday, C., 1928)
 1923 - (and others) Northwestern lakes of the United States: Biological and chemical studies with reference to possibilities in production of Fish. *Bull. U. S. Bur. Fish.*, 39 : 51-140.
- KEULEGAN, G. H.
 1948 - An experimental study of submarine sand bars. *U. S. Beach Erosion Board, Tech. Rept.*, (3) : 39.
 1951 - Hydrodynamical evaluation of storms on Lake Erie. *Proc. Sec. Conference on Coastal Engineering Council on Wave Research. Univ. of Calif.*
 1953 - Hydrodynamic effects of gales on Lake Erie. *Jour. Res. Nat. Bur. Standards*, 50 (2) : 99-109.
- KINDLE, E. M.
 1915 - Limestone solution on the bottom of Lake Ontario. *Am. Jour. Sci.*, 39 : 651-656.
 1915a - Note on bottom currents in Lake Ontario. *Am. Jour. Sci.*, 39.
 1925 - The bottom deposits of Lake Ontario. *Royal Soc. Can. Trans.*, 3rd ser., 19 : 47-102.
 1927 - The role of thermal stratification in lacustrine sedimentation. *Royal Soc. Can. Trans.*, 21 : 1-36.
 1933 - Erosion and sedimentation at Point Pelee. *42nd Ann. Rept., Dept. Mines, Canada*, pt. 2, 1 : 29.
 1936 - Dominant factors in the formation of firm and soft sand. *Beaches. Jour. Sed. Petrol.*, 21 (3) : 131-140.
- KING, C. A. M.
 1949 - (and W. W. Williams) The formation and movement of sand bars, by wave action. *Geol. Jour.*, 103, 70-85.
 1951 - Depth of disturbance of sand in sea beaches by waves. *Jour. Sed. Petrol.*, 21 (3) : 131-140.
- KING, J. (see Shelford, V. E., 1926)
- KINGERY, R.
 1944 - Recent Great Lakes shoreline damage. *Shore and Beach*, 12 (1) : 7.
- KINGMAN, J. J.
 1944 - Shore protection methods and materials. *Shore and Beach*, 12 (2) : 27-31.
- KIRTLAND, J. P.
 1852 - Peculiarities of the climate, flora, and fauna

- KIRTLAND, J. P.
of the south shore of Lake Erie., in the vicinity of Cleveland, Ohio. *Am. Jour. Sci.*, ser. 2., 13 : 215-219, 293-294.
- KJELLMAN, W.
1950 - (and others) Soil sampler with metal foils: Device for taking undisturbed samples of very great length, Royal Swedish Geotechnical Institute Proceedings No. 1., Stockholm.
- KLUGH, A. B.
1925 - Ecological photometry and a new instrument for measuring light. *Ecology*, 6 : 203-237.
1927 - Light penetration into the Bay of Fundy and into Chamcock Lake, N.B., *Ecology*, 8 : 90-93.
- KLEBBA, A.
1949 - Details of shore based wave recorder and ocean wave analyzer. *N. Y. Acad. Sci. Annals*, 51 : 533-44.
- KLEEREKOPER, HERMAN
1952 - A new apparatus for the study of sedimentation in lakes. Rept. from Canadian Journal of Zoology, 30 : 185-190, June 1952.
1952a - (and F. Grenier) The bottom sediments of Lake Lauzon, Montcalm County, Province of Quebec I. Chemical and Physical Investigations. Rept. from Canadian Journal of Zoology, 30 : 219-242.
- KNAUSS, J. A. (see LaFond, E. C.)
- KNIPOWITSCH, N.
1922 - Hydrobiologische Untersuchungen im Kaspischenmeer in den Jahren 1914-15. *Int. Rev. Hydrobiol. Hydrogr.*, 10 : 394-440.
- KNOFF, A. (see Longwell, C. R., 1932)
- KNOX, ROBERT
1946 - The coast and geodetic survey's work in connection with our beaches. *Shore and Beach*, 14 (1) : 18.
- KNUDSEN, M.
1922 - On measurement of the penetration of light into the sea. *Cons. perm. Int. l'Expl. Mer.*, publ. Circ., 76 : 1-16.
- KOFOID, C. A.
1898 - The fresh-water biological stations of America. *Am. Nat.*, 32 : 391.
- KOPPEN, W.
1900 - Versuch einer Klassifikation der Klimate, vorzugsweise nach ihren Bezeichnungen zur Pflanzenwelt. *Geogr. Zeitschr.* 6, pp. 593-611, 657-679.
- KOULEGEM, G. H.
1949 - (and W. C. Krumbein) Stable configuration of bottom slope in a shallow sea and its bearing on geological processes. *Am. Geophys. Union. Trans.*, 30 (6) : 855.
- KRAUS, EDWARD H.
1905 - On the origin of Put-in-Bay caves. *Am.*
- KRAUS, EDWARD H. - continued
Geol., 35 : 167-171.
- KRECKER, F. H.
1928 - Periodic oscillations in Lake Erie. O. S. U., F. T. Stone Lab., Cont. No. 1, pp. 1-22.
1931 - Vertical oscillations or seiches in lakes as a factor in the aquatic environment. *Ecology*, 12 (1) : 156-163.
- KRETIMANN, L. (see also Gorciex, C. H., 1929)
1931 - Etudes des courants de lac leman les etudes rhodaniennes 7 (2) : 109-130; Reviewed in *Int. Rev. Hydrobiol. Hydrogr.*, 26:485.
- KROGH, A. (see Ege, R., 1914)
- KRUMBEIN, W. C. (see also Koulegem, G. H., 1949; Sloss, 1949)
1934 - Size frequency distribution of sediments. *Jour. Sed. Petrol.*, 4 : 65-77.
1935 - A time chart for mechanical analyses by the pipette method. *Jour. Sed. Petrol.*, 5 (2) : 93-95.
1938 - (and Pettijohn, F. J.) *Manual of sedimentary petrography.* Appleton-Century-Crofts, Inc., New York, 549 pp.
1941 - Measurements and geological significance of shape and roundness of sedimentary particles. *Jour. Sed. Petrol.*, 2 (2) : 64-72.
1944 - Shore processes and beach characteristics. U. S. Beach Erosion Board, Tech. Mem. No. 3.
1944a - Shore currents and sand movement on a model beach. U. S. Beach Erosion Board., Tech. Mem. 7, 44 pp.
1949 - Geology of beach engineering. *Shore and Beach*, pp. 28-29.
1950 - Geological aspects of beach engineering. *Geol. Soc. Am.*, Berkey Volume, pp.195-223.
1950a - (and L. E. Ohsieh) Pulsational transport of sand by shore agents. *Am. Geophys. Union Trans.*, 31 (2) : 216-220.
1953 - Statistical problems of sample size and spacing on Lake Michigan beaches. Part 2, Coastal engineering, Chicago, Ill., October.
- KRUMMEL, O.
1911 - *Handbuch der Ozeanographie* 2, Engelhorn, Stuttgart.
- KUENEN, PH. J. (see also Natland, 1951)
1949 - The formation of beach cusps. *Jour. Geol.*, 56 (1) : 34-40.
1950 - Marine geology. John Wiley and Sons. New York, 568 pp.
1950a - (and C. I. Morigini) Turbidity currents as a cause of graded bedding. *Jour. Geol.* 58 (2) : 91-127.
1951 - Mechanics of varve formation and the action of turbidity currents. *Geol. Foren. Forh.*
1951a - Turbidity currents of high density. Rept. 18th Int. Geol. Cong. London, 1948, Pt. 8,

- KUENEN, PH. J. - continued
pp. 44-52.
- 1951b - Properties of turbidity currents of high density: Turbidity currents and the transportation of coarse sediments to deep water; Soc. Econ. Paleo. and Min., Spec. Pub. 2, pp. 14-33.
- 1952 - Turbidity currents, graded and non-graded deposits. *Jour. Sed. Petrol.*, 22 (2) : 83-96.
- KULLENBERG, B. (see Petterson, H., 1933, 1940, 1941; Gustafson, T., 1936).
- KUNZ, J.
- 1930 - (and V. E. Shelford) Apparatus for testing photoelectric cells in sunlight. *Jour. Sci. Inst.*, 7 : 191-193.
- 1930a - Forms of gas-filled photoelectric cells. Their properties and calibration. *Rev. Sci. Inst.*, 1 : 106-117.
- KUSNETZOW, S. I.
- 1931 - (and G. S. Karzinkin) Direct method for the quantitative study of Bacteria in water and some consideration on the causes which produce a zone of oxygen minimum in Lake Glubokoji. *Zentralbl. f. Bakt. Parasit. u. Infektionskr.*, 83 : 169-174.
- LACABANNE, W. D.
- 1950 - (and G. A. Thiel) The effect of continuous addition of mineral grains to a settling environment. *Jour. Sed. Petrol.*, 20 (3) : 161-173.
- LACHLAN, R.
- 1853 - On the periodic rise and fall of the lakes. *Can. Jour. Ind. Soc. Art (Toronto)* 2 : 293; *Am. Jour. Sci.*, ser. 2, 69 : 60-71, 164-175, 1855; 70 : 45-53, 1855.
- LAFOND, E. C. (see also Shepard, F. P., 1939, 1941)
- 1938 - Relationship between mean sea level and sand movement. *Science*, 88 : 112-3.
- 1948 - New snapper-type sea floor sediment sampler. *Jour. Sed. Petrol.*, 18 (1) : 34-37.
- 1950 - A sonic device for underwater sediment surveys. *Jour. Sed. Petrol.*, 20 (2) : 107-110.
- LAGRANGE, J. L.
- 1781 - Memoire sur la theorie du mouvement des fluides. *Nouv. Mem. Acad. Sci., Belles Lettres*, Berlin, 4 : 695.
- LALICKER, CECIL G.
- 1948 - Dwarfed Prolozoan Faunas. *Jour. Sed. Petrol.*, 18 (2) : 51-55.
- LAMB, G. F. (see Stout, W., 1943-1943a)
- LAMB, H.
- 1932 - Hydrodynamics, 6th ed., Cambridge Univ. Press, 738 pp.
- LAMPERT, K.
- 1925 - Das Leben der Binnengewasser. 2 auf. lit.
- LAMPERT, K.
- Verrz Lief. 19/20.
- LANE, F. C.
- 1948 - The world's great lakes. Doubleday, Garden City.
- LANDBERG, S. (see Petterson, H., 1934)
- LANDES, K. K.
- 1945 - (and others) Geology of the Mackinac Straits region. *Mich. Geol. Survey, Publ.* 44, geol. ser. 37.
- LANGFORD, C. B.
- 1949 - Report on lakeshore erosion - Lake Ontario from Niagara to Cobourg. Dept. of Planning and Development, Toronto, Ontario.
- LANGFORD, R. R.
- 1953 - Methods of plankton collection and a description of a new sampler. *Jour. Fish. Res. Bd. Can.*, 10 (5) : 238-252.
- LANGLOIS, T. H.
- 1941 - Two processes operating for the reduction in abundance or elimination of fish species from certain types of water areas. *Trans. Sixth, N. Am. Wildlife Conference*.
- 1948 - (and M. H. Langlois) South Bass Island and islanders. *O. S. U., F. T. Stone Lab. Cont.*, (10) : 1-139.
- 1951 - The caves on South Bass Island. *Inland Seas*, summer.
- 1954 - The western end of Lake Erie and its ecology. J. W. Edwards. Pub. Inc., Ann Arbor, Michigan, 479 pp.
- LANGMUIR, IRVING
- 1938 - Surface motion of water induced by wind. *Science*, 87 (2250) : 119-123.
- LANSING, MARION F. (see Channing, Edward, 1909)
- LAPHAM, L. A.
- 1847 - On the existence of certain lacustrine deposits in the vicinity of the Great Lakes, usually confounded with the drift. *Am. Jour. Sci.*, ser. 2, 3 : 90.
- LATHAM, E. (see Deane, H. J., 1936)
- LAUER, E.
- 1948 - Wave velocity depth determination--an experimental test of theory. *Univ. of Calif., Fluid Mech. Lab., Tech. Report* HE-116-195.
- LAURILA, E. (see Palmen, E., 1938)
- LAUZIER, L. (see H. J. McLellan., 1953)
- 1950 - Unusually warm surface sea-water in 1949. Progress report of Atlantic Biological Station, Atlantic Fisheries Experimental Station and Gaspé Fisheries Experimental Station, (51) : 17-19.
- LAWRENCE, D. B.
- 1950 - Glacial fluctuation for six centuries in south-eastern Alaska and its relation to solar activity.

- LAWRENCE, D. B. - continued
Geog. Rev., pp. 191-223.
- LE GRAND, YVES.
1938 - Quelques particularities des rides de sable.
Soc. d'oceanographic Bull., pp. 1721-1726.
- LEGENDRE, R.
1913 - Bathythermometre enregistreur du Professeur
Delage. Int. Rev. Hydrobiol. Hydrogr., 6 : 66-68.
- LEGGET, R. F.
1939 - Geology and engineering. McGraw-Hill, pp.
579.
- LEIGHLY, JOHN
1941 - Effects of the Great Lakes on the annual march
of air temperatures in their vicinity. Mich. Acad.
Sci., Papers, 27 : 377-414.
- LEITH, CARLTON J.
1950 - Removal of iron oxide coatings from mineral
grains. Jour. Sed. Petrol., 20 (3) : 174-176.
- LENZ, FR.
1928 - Sur terminologie der limnischen zonation.
Arch. f. Hydrobiol., 19 : 748-757.
1928a - Biologie der süsswasserseen. J. Springer,
Berlin, 221 pp.
1928b - Einführung in die biologie der süsswasserseen.
Berlin, 221 pp.
- LEVERETT, F. (See Cushing, H. P., 1931)
1892 - On the correlation of moraines with raised
beaches of Lake Erie. Am. Jour. Sci., ser. 3, 43 :
281; Wis. Acad. Sci. Trans., 8 : 233, 1893.
1898 - Correlation of moraines with beaches on the
border of Lake Erie. Am. Geol., 21 : 195-199,
1898.
1902 - Glacial formations and drainage features of
the Erie and Ohio basins. U. S. Geol. Survey,
Mono. 41, p. 802.
1914 - Observation on Craighton Lake. Am. Jour.
Sci., 4th ser., 38 : 432-436.
1934 - (and MacLachlan) Variations in tilt lines in
the Huron-Erie district. (Abst.) Science, n. s.,
80 (2085) : 550.
1939 - Correlation of beaches with moraines in the
Huron and Erie basins. Am. Jour. Sci., 237 : 456-
475, 1 pl., map.
- LEVERETT, F.
1915 - (and F. B. Taylor) The Pleistocene of Indiana
and Michigan and the history of the Great Lakes.
U. S. Geol. Survey, Mono. 53, p. 529.
- LEYPOLDT, HARRY
1941 - Mean sea level and sand movements. Science,
n. s., 94 : 607-609.
1941a - Shoreline formation by currents. Shore and
Beach, 9 (1) : 14-17.
- LIEPOLT, R.
1954 - Moderne Gewässerforschung mit einem
motorisierten Laboratorium. Int. Soc. Limn.
- LIEPOLT, R. - continued
Proc., Cambridge, England, Sept. 1953.
- LLOYD, J. T. (See Needham, J. G., 1930)
- LOBECK, A. K.
1932 - Atlas of American geology. Geographical
Press, pp. 44-46.
1939 - Geomorphology. McGraw-Hill, pp. 329-359.
- LONGWELL, C. R.
1932 - (and others) A textbook of geology. Part I.
Physical geology. New York, 514 pp.
- LUMAN, DOUGLAS
1949 - Sorting of sediments in the light of fluid
mechanics. Jour. Sed. Petrol., 19 (2) : 51-70.
- LUNDAHL, A. C. (See Pettijohn, F. J.)
- LUNDBECK, JOHANNES
1928 - Studien über das Frische Haff III : Die
Stromungen und ihre Beziehungen zu wasserhaus-
halt u. Wasserbeschaffenheit in Frischen Haff.
Schriften der Ohys-Ohon. Gesellschaft zu
Königsbergi Pr., 65 (3/4) : 1-111.
- LUNDEGARDH, H.
1923 - Über die Kohlensäureproduktion und die Gasper-
meabilität des Bodens. Arkiv. f. Bot., 18 : 1-36.
- LUNDQVIST, G.
1927 - Bodenablagerungen und Entwicklungstypen der
Seen. Die Binnengewässer. Bd., II, 124 pp.
- LYELL, CHARLES
1872 - Principles of geology. 11th ed., 1 : 418.
- MACGREGOR, D. G.
1952 - (and H. J. McLellan) Current measurements
in the Grand Manan Channel. Jour. Fish. Res. Bd.
Can., (9) : 213-222.
- MACLACHLAN (See Leverett, F., 1934)
- MACCARTHY, G. R.
1931 - Coastal sands of the eastern U. S. Am Jour.
Sci., 22
- MALONEY, J. E.
1896 - Elevations for the Great Lakes and for the St.
Lawrence and Hudson Rivers. Rept. U. S. Deep
Waterways Comm., pp. 69-96.
1896a - Water levels for the Great Lakes and St.
Lawrence River (prior to 1860). Rept. U. S. Deep
Waterways Comm., pp. 169-192.
1896b - Basin of the Great Lakes and of the St.
Lawrence and Hudson Rivers. Rept. U. S. Deep
Waterways Comm., pp. 145-154.
- MANN, R. H.
1947 - Pressure creosoted timber for shore and beach
protection structure. Shore and Beach, 15 (1) : 14.
- M'ANSLAN, WILLIAM
1888 - On the temperature of lake Ontario. Am. Jour.
Sci., 33 : 403.
- MARCH, H. W. (See Birge, E. A., 1928)
- MARGALEF, R.
1954 - Temperature and morphology in freshwater

- MARGALEF, R. - continued
organisms. *Int. Soc. Limn. Proc.*, Cambridge, England, Sept. 1953.
- MARGULES, M.
1906 - *Über Temperaturschichtung in stationar bewegter und ins rugender luft.* *Meteorol. Zeitschrift.* Hann-Band, p. 243, Berlin.
- MARMER, H. A.
1932 - Tides and tidal currents in physics of the earth. *V. Oceanog. Bull. Nat. Res. Coun.*, (85) :229-309.
- MARSHALL, A. C.
1939 - A qualitative and quantative study of the Trichoptera of Western Lake Erie. (as indicated by light trap material) *Annals of the Entomological Soc. Am.*, 32 (4) :665-688.
- MARSHALL, E. W. (See Wilson, James T., 1954.)
- MASON, M. A. (See also O'Brien, M. R., 1942.)
1941 - Laboratory investigation of beach erosion problems. *Shore and Beach*, 9 (3) : 83-85.
1942 - Abrasion of beach sand. *U. S. Beach Erosion Bd., Tech. Mem.*, (2) : 13.
1947 - Basic knowledge of shore phenomena. *U. S. Beach Erosion Bd. Bull.*, 1 (3) : 10-13.
1947a - Beach erosion board experiments. *Shore and Beach*, 15 (2) : 31.
1947b - Importance of shore protective studies. *U. S. Beach Erosion Bd. Bull.*, 1 (2) : 13-16.
1948 - Method of solution of shore problems. *U. S. Beach Erosion Bd. Bull.*, 2(1) : 8-12.
1949 - Ocean wave research and its engineering applications. *N. Y. Acad. Sci. Annals.*, 51 : 523-32.
- MATHER, W. W.
1838 - 2nd annual report of the Geological Survey of the State of Ohio. Samuel Meday, Printers to the State, Columbus.
- MAUCHA, R.
1932- *Hydrochemische Methoden in der Limnologie.* Die Binnengewasser Bd., 11 : 173p.
- MAURY, M. F.
1856 - *The physical geography of the sea.* Lampson Low, Son and Co., London.
- MAVOR, JAMES W.
1922 - The circulation of the water in the Bay of Fundy I. Introduction and drift bottle experiments. *Contribution to Canadian Biology*, (1) : 101-124.
1922a - The Circulation of the water in the Bay of Fundy Part II. The distribution of temperature, salinity and density in 1919, and the movement of the water which they indicate in the Bay of Fundy. *Contributions to Canadian Biology*, (1) : 353-375.
- MAXWELL, H.
1919 - Lake Michigan's encroachment on its coast. *Sci. Am.*, 120 : 687, 699-700.
- MCCOMBIE, A. M.
1953 - Factors influencing the growth of Phytoplankton. *Jour. Fish. Res. Bd. Can.*, 10 (5) : 253-282.
- MCCONNELL, J. A. (See also Withler, F. C.)
1946 - (and Brett, J. R.) Lakes of the Skeena River drainage III Kitwanga Lake. *Progress reports of Pacific Biological Station and Pacific Fisheries Experimental Station*, (68) : 55-59.
- MCEWEN, G. E.
1930 - Results of evaporation studies conducted at the Scripps. *Institution of Oceanography and the California Institute of Technology. Bull. Scripps. Inst. Oceanography*, 2 : 401-415.
1941 - Observations on temperature, hydrogen-ion concentration, and period of stagnation and overturning in lakes and reservoirs of San Diego County Calif. *Bull. Scripps. Inst. Oceanography*, 4 : 219-260.
- MCGRATH, B. R. (See Brown, E., 1946.)
- MCHUGH, (See Clemens, W. A., 1939.)
- MCINTOSH, R. J.
1947 - Steel sheet piling for shore and beach protection structures. *Shore and Beach*, 14 (1) : 10.
- MCLAUGHLIN, ALLAN J.
1911 - Sewage pollution of interstate and international waters, with special reference to the spread of typhoid fever. I. Lake Erie and the Niagara River. *U. S. Treasury Dept., Hygiene Lab., Bull. No. 77*, Washington, D. C., 1-169.
- MCLEAN, C. (See Fraser.)
- MCLELLAN, H. J. (See MacGregor, D.G.; Hachey, 1947.)
1953 - (and others) The slope water off the Scotian shelf. *Jour. Fish. Res. Bd. Can.*, (10) : 4 : 155-176.
- MCLEOD, D. C. (See Pickard, G. L., 1953.)
- MCLEOD, N. M. (See Barnes, H. T., 1914.)
- MCMAHON, W. H. (See Withler, F. C.)
1948 - Lakes of the Skeena River drainage VII Morrison Lake. *Progress Reports of Pacific Biological Station and Pacific Fisheries Experimental Station*, (74) : 6-9.
- MCMURRAY, K. C. (See Bowers, N. M., 1941.)
- MCNALL, D. (See Nichols, M. S., 1946.)
- MCNAMEE, R. L.
1930 - The surface waters of Michigan. *Dept. Eng. Res., Univ. Mich., Bull.* 16, 321 pp.
- MCKNOWN, J. S.
1951 - Waves and seiches in idealized ports: Gravity Waves. *Proc. N. B. S. Semi-Centennial Symposium on Gravity* June 18-20, 1951; also issued in *N. B. C. Circular 521*, Washington, 1952 : 153-164.

- MCKNOWN, J. S. - continued
 1953 - (and others) Discussion of long-period waves or surges in harbors. *Am. Soc. Civ. Eng. Proc.*, 79 : Separate No. D-123.
- MECKING, L. (See Nordenskiold, O., 1928.)
- MEDBERY, HIRAM C.
 1942 - Limnological observations on San Francisco reservoirs. *Jour. Am. Water Works Assoc.*, 34 : 719-735.
- MEINZER, O. E.
 1942 - (edited) *Hydrology. Physics of the earth IX.* McGraw-Hill Book Co., N. Y., 1 : 72.
- MELOCHE, V. W. (See Freeman, S., 1933.)
- MENARD, HENRY W. SR. (See Kuenen, Ph. H., 1952.)
 1949 - Synthesis of sand mixtures. *Jour. Sed. Petrol.*, 19 (2) : 71-77.
 1950. - Sediment movement in relationship to current velocity. *Jour. Sed. Petrol.*, 20 (3) : 148-160.
- MERCANTON, P. L.
 1932 - Etude de la circulation des eaux du lac Lemman, *Memoires de la societe Vaudoise des sciences naturelles*, 4, Lausanne. *Int. Rev. Hydrobiol. Hydrogr.*, 30.
- MERIAN, J. R.
 1828 - *Uber die Bewegung tropfbarer Flussigkeiten in Gefassen.* Basle.
- METCALL, I. S. H.
 1942 - The attraction of fishes by disposal plants effluent in a fresh water lake. *Ohio Jour. Sci.*, 42 (5) : 191-197.
- MIGLIORINI, C. I. (See Kuenen, Ph. H., 1950.)
- MILLER, F. GRAHAM.
 1952 - Surface temperatures of the Great Lakes. *Jour. Fish. Res. Bd. Can.*, 9 (7) : 329-376.
- MILLER, M. M. (See Fields, W. O., 1950.)
- MILLER, R. B.
 1947 - Great Bear Lake. *Fish Res. Bd. Can. Bull. No. 72*, pp. 31-44.
- MINDER, L.
 1922 - Studien uber den Sauerstoffgehalt des Zurichsee. *Arch. f. Hydrobiol.*, 3 : 107-155.
 1926 - Biologisch-Chemische Untersuchungen im Zurichsee. *Ziet. f. Hydrobiol.*, 3 : 1-69.
- MOHR, ELIZABETH B.
 1931 - The geology of the Bass Islands. Unpublished Master's thesis, Ohio State Univ., 62pp., 12 figs.
 1931a - The geology of the Bass Islands. (abst), Ohio State Univ., Abst. Master's Thesis, No. 6, pp. 141-142.
- MONTGOMERY, H. A.
 1933. - Lake Michigan wave measurements at Milwaukee. U. S. Corps of Eng., Milwaukee Office.
- MONTGOMERY, L. M.
 1947 - (and J. W. Ward) Measurement of transient hydraulic pressures. *Rev. of Scientific Inst.*, 18 (5).
- MONTGOMERY, L. M. - continued
 hydraulic pressures. *Rev. of Scientific Inst.*, 18 (5).
- MOORE, E. (See Needham, J. G., 1922.)
- MOORE, J. E. (See Rawson, Donald, 1944.)
 1946 - Water levels of Lake Erie. *Shore and Beach*, 14 : 49-61.
- MOORE, SHERMAN.
 1948 - Crustal movements in the Great Lakes area. *Geol. Soc. Am. Bull.*, 59 : 697-710.
- MORANDINI, G. (See Trener, G., 1946.)
- MORELLI, CARLO.
 1949 - Study of submarine explosions in the Gulf of Trieste. *Annali Geofys.*, 2 : 113.
- MORRISON, J. R.
 1953 - (and R. C. Cooke) The mechanics of deep water, shallow water, and breaking waves. *Beach Erosion Bd., Tech. Memo. 40.*, 14pp.
- MORTIMER, CLIFFORD.
 1941 - The exchange of dissolved substances between mud and water in lakes. *Jour. Ecol.*, 29 (2) : 280-329.
 1951 - Water movements in stratified lakes, deduced from observations in Windermere and model experiments. *Union Geodesique et Geophysique international-Assoc. Int. d'hydrologie Scientifique assemblee generale de Bruxelles*, 3 : 335-349.
 1954 - Some effects of the earth's rotation on water movements in stratified lakes. *Int. Soc. Limn. Proc.*, Cambridge, England, Sept. 1953.
- MORTON, FREDRICH.
 1932 - Die Regenflecke des Halstatter Sees. *Arch. f. Hydrobiol.*, 23 : 157-160.
- MOSELEY, E. L.
 1898 - Lake Erie enlarging. *Lake Side Magazine*, 1 (9) : 14-20.
 1899 - Sandusky Flora. *Ohio Acad. Sci., Special Papers No. 1*, pp. 1-165.
 1902 - Submerged valleys in Sandusky Bay. *Nat. Geog. Mag.*, 13 : 348-403.
 1903 - Rainfall and the level of Lake Erie. *Nat. Geog. Mag.*, (Wash) 14 : 327-328.
 1904-08 - Formation of Sandusky Bay and Cedar Point, *Ohio Acad. Sci.*, 4 (5) : 179-238.
 1905 - Formation of Sandusky Bay and Cedar Point *Ohio Acad. Sci. Proc.*, v. 4, pp. 179-238.
 1905a - Change of level at the west end of Lake Erie (abst) *Mich. Acad. Sci.*, v. 7, pp. 38-39.
 1930 - Fluctuations of bird life with changing in water level. *Wilson Bull.*, 42 (3) : 191-193.
 1939 - The 90 year precipitation cycle. *Mich. Acad. Sci.*, 25: 491.
- MUNK, W. H. (See Sverdrup, H. U., 1946.)
 1944 - (and others) Winds, waves and swell-- a basic

- MUNK, W. H. - continued
 method of forecasting. Univ. of Calif., Fluid Mech. Lab., Tech. Rept. HE-116-7. (Loan on request, Buships, Code 847, Washington, D.C.)
 1945 - (and M. A. T aylor) Forecasting Longshore currents. Scripps Inst. of Oceanography, Wave Project No. 46.
 1946 - (and H. U. Sverdrup) Empirical and theoretical relations between wind, sea, and swell. *Am. Geophys. Union Transl.*, 27 (4) : 823-7.
 1947 - (and M. A. T aylor) Refraction of ocean waves a process linking under water topography to beach erosion. *Jour. Geol.*, 55 (1) : 1-26.
 1949 - (and others) The prediction of longshore currents. *Am. Geophys. Union Trans.*, 30 (3).
- MURRAY, J.
 1910 - Characteristics of lakes in general and their distribution over the surface of the globe. In Murray and Pullar's *Bathymetrical Survey of the Scottish freshwater lochs*, 1 : 514-658.
 1910a - (and L. Pullar) *Bathymetrical survey of the Scottish freshwater lochs*. *Edinl.*, 6v.
 1911 - The observation of tides and seiches in frozen seas. *Int. Rev. Hydrobiol. Hydrogr.*, 4 : 129-135.
 1912 - The depths of the ocean. *McMillan, London*.
- MUSGRAVE, G. W.
 1941 - Some climatic factors that affect run-off. *Yearbook of Agric.*, pp. 536-545.
- MUSHAM, H. A.
 1943 - The practical application of the rhythmic fluctuations of the levels of the Great Lakes. *West Soc. England*, 48 : 185-196.
- NASMITH, G. G.
 1941 - (and F. Adams) Wind driven currents in Great Lakes and their effects on municipal water supplies. *Jour. Prev. Med. Soc.*, June, 16 : 246-253.
- NATLAND, M. L.
 1951 - (and Kuenen, Ph. H.) Sedimentary history of Ventura Basin, California and the action of turbidity currents and the transportation of coarse sediments to deep water. *Soc. Econ. Paleo. and Min., Spec. Pub.* 2, pp. 76-107.
- NAUMANN, E.
 1925 - Die Arbeitsmethoden der Regionalen Limnologie. *Abderhalden's Handbuch d. Biol., Arbeitsmeth.*, Abst. 9 Teil 2 Heft 1 : 556-588.
 1925a - Einige Hauptprobleme der Modernen Limnologie. *Abderhalden's Handbuch d. Biol., Arbeitsmeth.* Abst. 9 Teil 2 Heft 1 : 556-588.
 1926 - Der pH-Standard des Susswassers eine okologische Orientierung auf regionaler Grundlage. *Verh. d. Int. Ver. f. Theor. u. angew. Limnd.*, 3 : 291-304.
 1926a - Einige Grundlinien zur Systematik der Limnologie. *Verh. d. Int. Ver. f. Theor. u. angew.*
- NAUMANN, E. - continued
Limn. 3 : 305-321.
 1927 - Die Lichtverhältnisse des Susswassers. *Abderhalden's Handbuch d. Biol., Arbeitsmeth.* Abst. 9 Teil 2 Heft 2, Lief 232, pp. 1369-1384.
 1929 - The scope and chief problems of regional limnology. *Int. Rev. Hydrobiol. Hydrogr.*, 22 : 423-444.
 1931 - *Limnologische Terminologie*. *Abderhalden's Handbuch der Biol., Arbeitsmethoden*. Abst. 9 Teil 8 Urban et Schwarzenberg, Berlin et Wien, 1931, 776pp.
 1932 - *Grundzuge der Regionalen Limnologie*. *Die Binengewasser*, Bd. 11, 176pp.
- NEAVERSON, E.
 1934 - *Sea-floor deposits I. Discovery reports*. Cambridge. 9 : 295-350.
- NEEDHAM, J. G.
 1922 - (and others) *A biological survey of Lake George*, N. Y. *New York. Cons. Comm.*, pp. 3-78.
 1930 - (and J. T. Lloyd) *The life of inland waters*. 2nd ed., Springfield, 438pp.
- NEEL, J. K.
 1948 - A limnological investigation of the pasamon in Douglas Lake, Mich., with special reference to shoal and shoreline-dynamics. *Trans. Am. Micro. Soc.*, 58 (1) : 1-53.
- NELSON, E. W.
 1922 - On the manufacture of drift bottles. *Jour. Mar. Biol. Assoc.*, n. s., 12 (4) : 700-716.
- NEUMANN, G.
 1953 - On ocean wave spectra and a new method of forecasting wind-generated sea. *Beach Erosion Bd., Tech. Memo.* 43, 42pp.
- NEUMANN, J.
 1953 - On the annual variation of evaporation from lakes in the middle latitudes. *Int. Soc. Limn. Proc.*, Cambridge, England, Sept., 1953.
- NEVIN, C.
 1946 - Competency of moving water to transport debris. *Geol. Soc. Am., Bull.* 57, pp. 651-674.
- NEWBERRY, JOHN S.
 1862 - Notes on the surface geology of the basin of the Great Lakes. *Boston Soc. Nat. Hist. Proc.*, v. 9, pp. 42-46.
 1869 - On the surface geology of the basin of the Great Lakes and the valley of the Mississippi. *Lyc. Nat. Hist. N. Y., Ann.*, 9 : 213-234. *Am. Nat.*, 4 : 193-218 1870; *Abst., Am. Jour. Sci.*, 2nd ser., 49 : 111-114 1870; *Am. Nat.*, 2 : 444-445, 1868.
 1870 - The surface geology of the basin of the Great Lakes and the valley of the Mississippi. *Am. Nat.*, 4 : 193-214.

NEWBERRY, JOHN S. - continued

- 1871 - The surface geology of the basin of the Great Lakes and the valley of the Mississippi. *Am. Nat.*, 4 (6) : 193-214.
- 1873 - Geological Structure of Ohio. *Geol. Survey Ohio*, 1 (1) : 89-139.
- 1873a - Physical geography of Ohio. *Geol. Survey Ohio*, 1 (1) : 16-49.
- 1874 - Surface Geology. *Geol. Survey Ohio*, 2 (1) : 1-80.
- 1874a - Report on the geology of Erie County and the Islands. *Geol. Survey Ohio*, 2 (1) : 183-205.
- 1875 - Review of the geological structure of Ohio. *Geol. Survey Ohio*, 3 (1) : 1-51.
- 1881 - The origin and drainage of the basins of the Great Lakes. Reprint of Address before *Am. Phil. Soc.*
- 1882 - On the origin and drainage of the basins of the Great Lakes. *Am. Phil. Soc. Proc.*, 20 : 91-95.
- 1883 - On the origin and drainage of the Great Lakes. *Am. Phil. Soc. Proc.*, 20 (111).

NEWCOMBE, CURTIS L.

- 1949 - (and Paul S. Dwyer) An analysis of the vertical distribution of temperature in a dichothermic lake of south eastern Michigan. *Ecology*, 30 : 443-449.

NICHOLS, G. G.

- 1888 - *Nichol's Handy Guide Book to Put-in-Bay, Middle Bass and Kelley's Island*. I. F. Mack and Bros., Sandusky, Ohio, 32pp.

NICHOLS, M. S.

- 1946 - (and others) Copper in Lake Muds from lakes of the Madison area. *Wis. Acad. Sci., Trans.*, 38 : 333-350.

NICHOLS, R. W.

- 1880 - On the temperature fresh-water ponds and lakes. *Boston Soc. Nat. Hist. Proc.*, 21 : 53.

NIELSEN, J. N.

- 1908 - Contribution to the understanding of the currents in the northern part of the Atlantic Ocean. *Medd. Fra Komm. f. Havanders. Ser. Hydrogr.*, 1 (11), (Copenhagen).

NOLAND, L. E. (See Brooks, J. L., 1951.)

NORDBERG, B.

- 1949 - Sand and gravel. *Am. Inst. Mining and Met. Eng., Industrial Minerals and Rocks*.

NORDENSKIOLD, O.

- 1928 - (and L. Mecking) The geography of the polar regions. *Am. Geog. Soc., Spec. Publ. No. 8*, 359pp.

NUEMANN, W.

- 1938 - Die Verbreitung des Rheinwassers im Bodensee. *Int. Rev. Hydrobiol. Hydrogr.*, 36 : 501-530.

NUNO, HIROSKI.

- 1950 - Bottom deposits at the mouth of Wakasa Bay,

NUNO, HIROSKI - continued

- Japan and on the adjacent continental shelf. *Jour. Sed. Petrol.*, 20 (1) : 27-54.

NUTT, DAVID C.

- 1953 - Certain aspects of oceanography in the coastal waters of Labrador. *Jour. Fish. Res. Bd. Can.*, (10) : 4-177-186.

O'BRIEN, M. P. (See Johnson, J. W., 1948; Munk, 1944.)

- 1935 - Models of estuaries. *Am. Geophys. Union. Trans.*, Pt. 2, pp. 485-492.
- 1936 - Coast of California as a beach erosion laboratory. *Shore and Beach*, 4 (3) : 74-9.
- 1942 - (and M. A. Mason) A summary of the theory of oscillatory waves. *Beach Erosion Bd., U. S. Army Eng., Tech. Rept. No. 21*. pp. 1-43.
- 1946 - (and J. W. Johnson) Graphical construction of wave refraction diagrams. *Univ. of Calif., Fluid Mech. Lab., Tech. Rept. HE-116-221*.
- 1947 - A wave method of determining depths over bottom discontinuities. *Univ. of Calif., Fluid Mech. Lab., Tech. Rept. HE-116-4*.
- 1947 - (and J. W. Johnson) Wartime research on waves and surf. *Mil. Eng.*, 39 (260) 239-242.

ODENBACH, F. L.

- 1905 - Some temperatures taken on Lake Huron and Superior in July and August, of 1904. *Mon. Wea. Rev.*, 33 : 154.

O'HANLY, J. L. P.

- 1896 - Report on the effect of the Chicago drainage canal on the level of the Great Lakes. (Ottawa)

OHIO, STATE OF.

- 1902-39 - Compilation of stream flow records of Ohio. *Dept. of Agric., Div. of Cons., Bull. 200*.
- 1949 - Ohio stream-flow characteristics. Part 1, Flow duration. *Ohio Dept. Nat. Res., Div. of Water*, 40pp.
- 1950 - The climatic factors of Ohio's water resources. *Ohio Dept. Nat. Res., Div. Water*, 106pp., tables.
- 1950a - Ohio stream-flow characteristics Pt. 2 Water supply and storage requirements. *Ohio Dept. Nat. Res., Div. of Water*, 10pp.
- 1953 - Lake Erie pollution Surv. *Ohio Dept. Nat. Res. Div. of Water*, 201pp.
- 1953a - Lake Erie pollution survey supplement. *Ohio Dept. Nat. Res., Div. of Water*, 125pp.

OHSIEH, D. E. (See Krumbein, W. C., 1950.)

OLSON, F. C. W.

- 1949 - Ramapo project. Report on the storage time of Ramapo water. Report to North Jersey District Water Supply Comm., Dec. 1949.
- 1950 - The currents of western Lake Erie. The O. S. U. Ph.D. Thesis, unpub.
- 1951 - A plastic envelope substitute for drift bottles. *Jour. Mar. Res.*, 10 (2) : 140-193.
- 1953 - A system of morphometry. *Oceanog. Inst.*

- OLSON, F. C. W. - continued
Florida state University, Con. No. 19, Feb. 6, 1953.
- OLIVIER, R. SR.
1954 - A few aspects of the province of Buenos Aires regional limnology. *Int. Soc. Limn. Proc.*, Cambridge, England, Sept. 1953.
- ONTARIO BUREAU OF MINES.
1900 - Terraces. 9 : 176-178.
1908-09 - Lakes and terraces. *Annual Report*, 18 : 149, 284-193.
- OOSTING, H. J.
1933 - Physical-chemical variables in a Minnesota Lake. *Ecol. Mono.*, 3 : 493-534.
- OPPENHEIMER, C. H. (See Zobell, 1953.)
- ORR, A. P.
1926 - The Nitrite content of sea water. *Jour. Mar. Biol. Assoc.*, 14 : 55-61.
- OSTENFELD, C. H.
1909 - On the immigration of *Biddulphia sihesis*, Grev. and its occurrence in the North Sea during 1903-07, and on its use for the study of the direction and rate of flow of the currents. *Medd. fra. komm. for Havundersogelser, Serie: Plankton*, 1 (6).
- OSTWALD, W.
1902 - Zur Theorie des Planktons. *Biol. Sentralbl.*, 22 : 596-605.
- OTTERSTEDT, B. (See Gustafson, T., 1932.)
- OTTO, GEORGE H.
1939 - A modified logarithmic probability graph for the interpretation of mechanical analyses of sediments. *Jour. Sed. Petrol.*, 9 (2) : 62-76.
- OVER, W. H.
1927 - (and E. P. Churchill) A preliminary report of the biological survey of the lake of South Dakota. *South Dakota Geol. and Nat. Hist. Survey Circ.* 29, ser. 27, pp. 2-18.
- PALMEN, E.
1930 - Untersuchungen uber die Stromungen in den Finnland umgebenden Meeren. *Soc. Sci. Fennica, Comm. Phys. Math.*, 5 (12), Helsinki.
1932 - Uber die Einwirkung des Windes auf die Neigung der Meeresoberflache. *Soc. Sci. Fennica, Comm. phys. Math.*, 6 (14), Helsinki.
1938 - (and E. Laurila) Uber die Einwirkung eines sturmes auf den hydrographischen Zustand im nordlichen Ostseegebiet. *Soc. Sci. Fennica, Comm. Phys. Math.*, 11 (7), Helsinki.
- PALMER, H. K. (See Rawn, A. M., 1946.)
- PAREJAS, E.
1929 - L'epaisseur des varves dan le haut lac de Geneve. *Troisiencie Congress du Rhone*, pp. 207-211.
- PARDEE, J. T.
1942 - Unusual currents in glacial Lake Missoula. *Mont. Geol. Soc. Am. Bull.*, 53 (11) : 1569-1599.
- PARMENTER, RICHARD.
1929 - Hydrography of Lake Erie. *Buffalo Soc. Nat.*
- PARMENTER, RICHARD. - continued
Sci. Bull., 14 (3) : 25-50.
- PATTON, C. A. (See Alexander, W. H., 1929.)
1939 - Some observations on fifty years of Ohio weather. *Ohio Agric. Exp. Sta., Bull.* 608, pp. 1-32.
- PATTON, R. S.
1924 - Problems involved in coast erosion. *Mil. Eng.*, 16 : 459.
- PAVILLARD, J.
1940 - Elements de Sociologie vegetale. (*Phytosociologie*) (*Actualities scientifiques et industriellas*, 251) Hermann et Cie, Paris, 167pp.
- PEARSALL, W. H.
1934 - (and Philip Ullyott) Light penetration into fresh water. III Seasonal variation in the light conditions in Windemere in relation to vegetation. *Jour. Exp. Biol.*, 11 (1) : 89-93.
- PEARSE, A. S.
1926 - *Animal Ecology*. New York, 417pp.
- PEGRUM, H. REGINALD.
1929 - Topography of the Lake Erie Basin. *Buffalo Soc. Nat. Sci.*, 14 (3).
- PENNAK, R. W.
1941 - A bibliography of high altitude limnological investigations in the western U. S. *Univ. Colo. Studies, ser. D*, 1 (3) : 225-229.
- PENTELOW, F. T. K. (See Butcher, R. W., 1927.)
- PERKINS, E. A.
1893 - The Seiches in America. *Am. Met. Jour.*, 10 (6) : 251-263.
- PESLIN, H.
1872 - Sur la relation entre les variations du barometre et les grand courants atmospheriques. *Bull. Int. Observatoire Paris*, May-June.
- PESTA, O.
1929 - Der Hochgebirgssee der Alpen. *Die Binnengewasser Bd. 8*, 156pp.
- PETERSON, J. J. (See Spangler, W. B., 1950.)
- PETERSON, W. H. (See Allegeier, R. J., 1932, 1934; Domogalla, 1925, 1926.)
1925 - (and others) The occurence of amino acids and other organic nitrogen compounds in lake water. *Jour. Biol. Chem.*, 63 : 287-295.
- PETTERSON, H. (See Atkins, W. R. G., 1938.)
1933 - (and B. Kullenberg) Boundary waves in the Kattegatt. *Medd. Goteborgs Hogskolas Oceanog. Inst.* (4), Gotenburg.
1940 - A vacuum core sampler for deep sea sediments. *Nature*, 145 (3369) : 306.
1941 - Vacuum-loden-Mudd. *Oceanografiska Inst. Goteborg. Goteborgs Kungl. Vetenskops-Och. Vitterkets. Samhalles Handler 6th Folje*, ser. b, 1 (10).
1934 - (and S. Lundberg) Measurements of submarine

- PETTERSON, H. - continued
daylight. *Nature*, 133 : 102-103.
- PETTIJOHN. (See Brumbien, W. C., 1938.)
n. d. - (and A. C. Lundahl) Shape and roundness of Lake Erie beach sands. *Jour. Sed. Petrol.*, 13 (2) 69-78.
- 1931 - Petrography of the beach sands of southern Lake Michigan. *Jour. Geol.*, 39 (5) : 432.
- 1932 - (and J. D. Ridge) A textural variation series on beach sands from Cedar Point. *Jour. Sed. Petrol.*, 2 (2) : 76-88.
- 1933 - A mineral variation series of beach sands from Cedar Point, Ohio. *Jour. Sed. Petrol.*, 3 (2) : 92-144.
- 1949 - Sedimentary rocks. Harper, 475.
- 1950 - Turbidity currents and graywackes, a discussion. *Jour. Geol.*, 58 : 169-171.
- PETTIS, C. R.
1939 - Hydrology of the Great Lakes. *Am. Soc. Civ. Eng.*, pp. 584-596.
- PHILIP, C. B.
1927 - Diurnal fluctuations in the hydrogen-ion. Activity of a Minnesota Lake. *Ecology*, 8 : 73-89.
- PHLEGER, (See also Stetson, H. C., 1947, 1947a, 1947b.)
1946 - (and W. A. Hamilton) Foraminifera of two submarine cores from the North Atlantic coast. *Geol. Soc. Am. Bull.*, 57 : 951-966.
- 1949 - Submarine geology and Pleistocene research. *Geol. Soc. Am. Bull.*, 60 : 1457-1462.
- 1951 - Displaced foraminifera fauna. Turbidity currents and the transportation of coarse sediments into deep water, *Soc. Econ. Paleo. and Min.*, *Spec. Pub. 2.*, pp. 66-75.
- PIA.
1933 - Kohlensäure und Kalk. *Die Binningewasser*, Bd. 13, 183pp.
- PICKARD, G. L.
1953 - (and D. C. Mcleod) Seasonal variation of temperature and salinity of surface waters of the British Columbia coast. *Jour. Fish. Res. Bd. Can.*, 3 (10) : 125-145.
- 1953a - Oceanography of British Columbia mainland inlets. I. Water characteristics. *Prog. Rept. of the Pacific Sta.*, 96 : 3-6.
- 1953b - Oceanography of British Columbia mainland inlets II. Currents. *Prog. Repts. of the Pacific Sta.*, 97 : 12-13.
- PIERCE, E. L. (See Harkness, William, J. K., 1941.)
- PIERCE, D. M.
1953 - (and J. E. Vogt) Statistics can foretell Great Lakes levels. *Eng. News-Rev.* 150 (1).
- PIETENPOL, W. B.
1918 - Selective absorption in the visible spectrum of Wisconsin waters. *Wis. Acad. Sci. Trans.*, 19 : 562-593.
- PIGGOT, CHARLES SNOWDEN.
1936 - Core samples on the ocean bottom. *The Smithsonian Rept.*, pp. 207-216; 6 plates.
- 1938 - Core samples of the ocean bottom and their significance. *Sci. Mon.*, 46 (3) : 201-217.
- 1938a - The technique of securing undisturbed core-samples of the ocean bottom. *Am. Phil. Soc. Proc.*, 79 (1) : 35-40.
- 1941 - Factors involved in submarine core sampling. *Geol. Soc. Am. Bull.*, 52 : 1513-1523.
- PINCUS, HOWARD J.
1951 - (and others) 1950 investigations of Lake Erie sediments, vicinity of Sandusky, Ohio. *Ohio Dept. of Nat. Res., Div. Geol. Survey, Rept. Invest. 9, Cont. 1 Lake Erie Geological Research Program*, 37pp.
- 1953 - The motion of sediment along the south shore of Lake Erie. *Proc. 4th. Conf. on Coastal Eng., Chicago, 1953 Council on wave Research*.
- 1953a - Investigations of Lake Erie shore erosion. *Ohio Dept. Nat. Res., Div. Geol. Survey, Rept. 18, Cont. 3. L.E.G.R.P.*, 138 pp.
- 1954 - Geology of the Lake Erie Basin with emphasis on contemporary processes, symposium on geophysics and geophysical geodesy. *Extrait du Bulletin geodesique, organe de l'association internationale de Geodesie, No. 31., le mars 1954*, pp. 67-83.
- PLANTAMOUR, (See Forel, F. A., 1881a)
- PLATT, ROBERT B.
1950 - (and C. S. Shoup) The use of a thermistor in a study of summer temperature conditions of Mountain Lake, Va. *Ecology*, 31 : 484-488.
- POINCARE, H.
1910 - Theorie des marees. *Lecons de mecanique celeste 3*. Paris.
- PORSILD, A. E.
1932 - Notes on seiches and currents in Great Bear Lake. *Geog. Rev.*, v. 22, pp. 474-477.
- POOLE, H. H. (See Atkins, W. R. G., 1930, 1938.)
1925 - On the photo-electric measurements of submarine illumination. *Royal Dublin Sci. Soc. Proc.*, 18 : 99-115.
- 1926 - (and W. R. G. Atkins) On the penetration of light into sea water. *Jour. Mar. Biol. Assoc.*, 14: 177-198.
- 1928 - Further photo-electric measurements of the penetration of light into sea water. *Jour. Mar. Biol. Assoc.*, 15 : 455-483.
- 1929 - (and W. R. G. Atkins) Photo-electric measurements of submarine illumination throughout the year. *Jour. Mar. Biol. Assoc.*, 16 : 297-324.
- POSELY, C. J. (See Woodward, S. M., 1941.)
- POWERS, E. B.
1928 - The behavior of sea water, lake water, and

- POWERS, E. B. - continued
 bog water at different carbon dioxide tensions.
 Publ. Puget Sound Biol. Sta., 6 : 271-281.
- 1928a - The carbon dioxide tension, oxygen content
 the pH and the alkali reserve of natural waters
 mostly of the western portion of the United States.
 Publ. Puget Sound Biol. Sta. 5 : 381-391.
- 1929 - Fresh water studies I. The relative temperature,
 oxygen content, alkali reserve, the carbon dioxide
 tension and pH of the waters of certain mountain
 streams at different altitudes in the Smoky Moun-
 tain National Park. Ecology, 10 : 97-111.
- POWERS, W. E.
 1953 - Source materials for Lake Michigan beaches.
 Coastal Eng., Part 2, Chicago, October 1953.
- PRANDTL, L.
 1934 - (and O. G. Tietjens) Fundamentals of hydro-
 and aeromechanics. McGraw-Hill, N. Y.
- PRESS, (See Ewing, 1949.)
- PRICE, CHAS. A.
 1951 - Water levels of the Great Lakes. Dept. of
 Planning and Development, Toronto. 10pp.
- PRITCHARD, D. W. (See Anderson, E. R., 1951; Brett,
 J. R., 1946, 1946a.)
- 1951 - (and W. V. Burt) An inexpensive and rapid
 technique for obtaining currents in estuarine waters
 Jour. Mar. Res., 10 (2) : 180-189.
- 1952 - Data Rept. 17 Choptank River, Spring Cruise.
 The Chesapeake Bay Inst., The John Hopkins
 Univ.
- 1953 - Data Rept. 16 Patuxent River, Spring Cruise.
 The Chesapeake Bay Inst., The John Hopkins
 Univ.
- 1953a - (and R. E. Kent) The reduction and analysis
 data from the James River operation Oyster spot.
 The Chesapeake Bay Inst., The John Hopkins
 Univ. Tech. Rept. 6.
- 1953b - (and others) Collected reprint, 1951-52. The
 Chesapeake Bay Inst., The John Hopkins Univ.
- 1954 - Data Rept. 18, Cruise 11. The Chesapeake
 Bay Inst., John Hopkins U.
- 1954a - Tech. Rept. 7, A study of flushing in the
 Delaware River. The Chesapeake Bay Inst., The
 John Hopkins Univ.
- PROGRESS IN BIOLOGICAL INQUIRIES.
 n. d. - U. S. Bur. Fish Appendices to the Report of the
 Commissioner of Fisheries. Annual issues contain-
 ing resumes of limnological work on the Great
 Lakes, inland lakes and rivers.
- PROUDMAN, J.
 1925 - On tidal features of local coastal origin and
 sea seiches. Geophys. Suppl. M.N.R. Astron.Soc.,
 1 : 247. London.
- 1929 - The effects on the sea of changes in atmos-
 pheric pressure. Supplement to the Monthly
- PROUDMAN, J. - continued
 Notices of the Royal Astronomical Society, 2 :
 197-209.
- 1953 - Dynamical oceanography. John Wiley & Sons,
 New York, 409pp.
- PULLAR, L. (See Murray, Sir John, 1910.)
- PUTNAM, J. A. (See Johnson, J. W., 1949; Munk, 1949.)
- 1944 - Effect of sloping bottom on wave length.
 Univ. of Calif., Fluid Mech. Lab., Tech. Rep.
 HE-116-18. (Loan on request, Buships, Code 847,
 Washington, D. C.)
- 1944a - Littoral Current - I. Univ. of Calif. Fluid
 Mech. Lab., Tech. Rept. HE-116-12 (a). (Loan
 on request, Buships, Code. 847, Washington, D. C.)
- 1949 - (and others) The prediction of longshore
 currents. Am Geophys. Union. Trans., 30 : 337-
 345.
- PUTZ, R. R.
 1953 - Statistical analysis of wave records. Coastal
 Eng., Part 1, Chicago, October.
- PYE, MARGARET HUST. (See Pye, Willard D., 1943.)
- PYE, WILLARD D.
 1943 - (and Margaret Hust Pye) Sphericity Determi-
 nation of pebbles and sand grains. Jour. Sed. Pet-
 rol., 13 (1) : 28-34.
- QUIRK, T. T.
 1925 - The undertow. Science, 61 (1583) : 468.
- RAGOTZKIE, R. A.
 1953 - (and R. A. Bryson) Correlation of currents with
 the distribution of adult *Daphnia* in Lake Mendota.
 Jour. Mar. Res., 12 (2) : 157-173.
- RAITT, R. W.
 1863 - On the glacial origin of certain lakes in Swit-
 zerland. Am. Jour. Sci., (2) : 35-324.
- 1873 - Lakes, fresh and salt, their origin and distribu-
 tion in geographical space and geological time.
 Nature (London) 7 : 312-333.
- RATTENBURY, J. S. (See Clemens, W. A., 1945.)
- RAWN, A. M.
 1946 - (and H. K. Palmer) Contamination, mapping
 the field of, over an ocean sewer outfall. Water
 and sewage works, 93 (9) : 363-366.
- RAWSON, D. (See Clemens, W. A., 1938, 1939.)
- 1936 - Physical and chemical studies in lakes of the
 Prince Albert Park, Saskatchewan. Jour. Biol. Bd.
 Can., 2 (3) : 227-284.
- 1939 - Some chemical and physical factors in the
 metabolism of lakes. Am. Assoc. Adv. Sci.,
 Publ. No. 10, Problems of Lake Biology, pp. 9-26.
- 1942 - A comparison of some large Alpine Lakes in
 western Canada. Ecology, 23 : 143-161.
- 1944 - (and J. E. Moore) The saline lakes of Saskat-
 chewan. Can. Jour. Res., 22 : 141-201.
- 1947 - Great Slave Lake. Bull. Fish. Res. Bd. Can.,
 (72) : 45-68.

- RAWSON, D. - continued
 1950 - Physical limnology of Great Slave Lake. *Jour. Fish. Res. Bd. Can.*, 8 (1) : 1-66.
 1951 - The total mineral content of lake waters. *Ecology*, 32 : 669-672.
 1952 - Mean depth and the fish production of large lakes. *Ecology*, 33 (4) : 513-521.
 1953 - The bottom fauna of Great Slave Lake. *Jour. Fish. Res. Bd. Can.*, 10 (8) : 486-520.
 1953a - Limnology in the North America Arctic and Subarctic. *Jour of the Arctic Institute of North America*, 6 (3).
 1954 - Morphometry as a dominant factor in the productivity of large lakes. *Int. Soc. Limn. Proc.*, Cambridge, Sept. 1953.
- RAYLEIGH, LORD.
 1876 - On waves. *Phil. Mag*, 1 : 257, London.
- REDWIND, L. E. (See Varney, F. M., 1936-37.)
- REEKS, W. A.
 n. d. - Maritime provinces, white-marked tussock moth as a forest pest. *Canada Forest Insect Investigation, Bi-Monthly Progress Rept.*, 5 (1) : 1.
 1948 - (and others) Maritime provinces and Newfoundland Canada. *Canada Forest Insect Survey Ann. Rept.*, pp. 9-26.
 1948a - (and others) Maritime provinces. *Canada Forest Insect Survey Ann. Rept.*, pp. 5-18.
 1949 - (and others) Forest Insects of Newfoundland in 1949. *Newfoundland Forest Protection Assoc. Ann. Rept.*
- REICHE, P.
 1950 - Survey of weathering processes and products. *Univ. of New Mexico Press*, pp. 16-58.
- REID, CLEMENT.
 1893 - The Great Lakes. *Nat. Sci. (London)*, 1 : 117.
- REIGHARD, J. E.
 1894 - A Biological examination of Lake St. Clair. Preliminary account of work done during the summer of 1893 by the party maintained by the Michigan Fish. Comm., *Bull. Mich. Fish. Comm. No. 4*, 60pp.
- REMICK, JOHN T.
 1942 - Effect of Lake Erie on the local distribution of precipitation in winter. *Bull. Am. Met. Soc.*, 23 : 1-4, 111-117.
- RENKAME, K.
 1950 - (and T. H. G. Sahema) *Geochemistry*. Univ. of Chicago Press, pp. 270-276, 432 (table 12.5), 464 (table), 749, 311-318.
- RENN, C. E.
 1942 - A gear pump sampler for chemical limnology. *Limn. Soc. Am., Spec. Pub.* 10.
- REVELLE, R.
 1950 - Sedimentation and Oceanography. Survey of Field Observations. *Geol. Soc. Am., Mem.* 43,
- REVELLE, R. - continued
 Part 5, pp. 1-6.
- REYBOLD, E.
 1945 - Beach erosion study, Ohio shoreline of Lake Erie from Ohio-Michigan state line to Marblehead, Ohio. *House of Rep., Doc. No. 117*, 79th Congress, 1st Session, Washington, D. C., 27pp.
- REYNOLDS, J. E.
 1898 - Waterspouts on the lakes. *Mon. Wea. Rev.*, 26 (8) : 364.
- RICH, J. L.
 1951 - Three critical environments of deposition and criteria for recognition of rocks deposited in each of them. *Geol. Soc. Am. Bull.*, 62 (1) : 1-20.
- RICKER, W. E.
 1937 - Physical and chemical characteristics of Cultus Lake. *British Columbia. Jour. Biol. Bd. Can.*, 3 (4) : 363-402.
- RIDGE, J. D. (See Pettijohn, F. J., 1932, 1933.)
- RILEY, GORDON A.
 1940 - Limnological studies in Connecticut: III The plankton of Linsley Pond. *Ecol. Mono.*, 10 : 281-305.
 1943 - Physiological aspects of spring diatom flowering. *Bull. Bingham Oceanographic Coll.*, 8 : 1-43.
- RITTENHOUSE, GORDON.
 1939 - The pipette method modified for mass production. *Nat. Res. Coun., Rept. Comm. on Sedimentation*. 1938-39, pp. 88-102.
 1943 - Measuring intercept sphericity of sand grains. *Am. Jour. Sci.*, 241 (2) : 109-116.
 1945 - Transportation and deposition of heavy minerals. *Geol. Soc. Am. Bull.*, 54 (12) : 1725-80.
- RIVOT, L. E.
 1855 - Voyage au lac Superieur. *Annal. des Mines (Paris)*, ser. 5, 7 : 173.
 1856 - Visit to the Lake Superior region in 1854. *Mining Mag., (N. Y.)* 7 : 249.
 1856a - Notice sur le lac Superieur. *Annal. des Mines (Paris)*, ser. 5, 10 : 365.
- ROGER, R.
 1948 - Naval applications of wave research. *N. Y. Acad. Sci., Wave Conf.*, abst.
- ROBINSON, G. (See Whittaker, E. T., 1925.)
- ROBINSON, R. J. (See Juday, C., 1928.)
- ROBSON, A. D.
 1954 - Hydrology, the effect of water temperature upon the calibration of a current meter. *Am. Geophys. Union. Trans.*, 35 (4).
- ROGOTZKIE, ROBERT A. (See Bryson, Reid A., 1954.)
- ROSALSKY, MAURICE.
 1950 - Characteristic of Beach Drifting. *Shore and Beach*, 18 (1).
- ROSE, EDWIN
 1946 - Thrust exerted by expanding ice sheet. *Am.*

- ROSE, EDWIN. - continued
Soc. Civ. Eng. Proc., 72 : 571-585.
- ROSEBOOM, M. L. (See Pincus, Howard, 1951.)
- ROSS, C. W.
1948 - U. S. Corps Eng. experimental steel pile groins Palm Beach, Florida. Beach Erosion Bd., Tech. Memo. 10, 12pp.
- ROSS, SIR JAMES CLARK.
1855 - On the effect of the pressure of the atmosphere on the mean level of the ocean. Am. Jour. Sci., 2nd ser., 69 : 52-55.
- ROSSBY, CARL G.
1943 - Some applications of boundary-layer theory to the physical geography of the middle west. N. Y. Acad. Sci., 44 : 3-12.
1947 - Surface waves, noted on the distribution of energy and frequency. Jour. Mar. Res., 6 (2) : 93-103.
- ROSSOLIMO, L. L.
1928 - Zur Frage der Sauerstoffschichtung der Seen. Arch. f. Hydrobiol., 19 : 731-741.
- RUDE, G. T.
1938 - New methods of marine surveying. Am. Phil. Soc. Proc., 79 (1) (Title; Geophysical exploration of the ocean bottom, a symposium.)
- RUGGLES, D.
1843 - Tides in North American Lakes. Am. Jour. Sci., 45 : 18-27.
- RUSSELL, I. C.
1904 - Lakes of North America. Ginn & Co.
- RUSSELL, R. DANA.
1935 - Frequency percentage determinations of detrital quartz and feldspar. Jour. Sed. Petrol., 5 (3) : 109-114.
- RUTTNER, F.
1931 - Hydrographische und hydrochemische Beobachtungen auf Java, Sumatra und Bali. Arch. f. Hydrobiol., Suppl. Ed. 8, pp. 197-460.
1931a - Die Schichtung in Tropischen Seen. Verh. d. Int. Ver. f. Theor. u. angew. Limnol., 5 : 44-67.
1940 - Grundriss der Limnologie. Walter de Gruyter et Co., Berlin, 167pp.
- RYALL, LYDIA J.
1913 - Sketches and stories of Lake Erie Islands. The Am. Pub. Co., Norwalk, Ohio, 546pp.
- RYDER, C.
1904 - Some investigations relating to the ocean currents in the sea between Norway, Scotland and Greenland. Nautic. Met. Ann. of the Danish Meteorological Institute, Copenhagen, 1901 and 1904.
- SAHEMA, G. TH. (See Renkame, K., 1950.)
- SANDERSON, E. E.
1950 - The climatic factors of Ohio's water resources. Ohio Dept. Nat. Res., Divis. Water, Bull. 15.
- SANDSTROM, J. W.
1903 - (and B. Helland-Hansen) Uber die Berechnung von Meeresströmungen Rep. Norwegian Fish. Marine Invest., 2 (4) Bergen.
- SANITARY DISTRICT OF CHICAGO.
1925 - The technical bases for the recommendations of the board of review. Part II, Jan. 23, 1925.
- SANNER, N. J. (See Dexter, R. W., 1942.)
- SARASIN, E. (See Forel, F. A., 1900a.)
- SAVILLE, T. JR.
1949 - Preliminary report of model studies of sand transport along an infinitely long, straight beach. Univ. of Calif., Fluid, Mech. Lab., Rept. HE-116-305, 11pp.
1950 - Model study of sand transport along an infinitely long, straight beach. Am. Geophys. Union Trans., 31 (4) : 555-565.
1952 - U. S. Corps Eng. Wind set-up and waves in shallow water. Beach Erosion Bd., Tech. Memo. 27, 36pp. Lake Okeechobee.
1953 - Hindcast wave statistics for the Great Lakes. Part I. Coastal Eng., Chicago, Ill., October 1953.
1953a - Wave and lake level statistics for Lake Michigan. Beach Erosion Bd., Tech. Memo. 36, 23pp.
1953b - Wave and lake level statistics for Lake Ontario. Beach Erosion Bd., Tech. Memo. 38, 15pp.
1953c - (and J. M. Caldwell) Accuracy of hydrographic surveying in and near the surf zone. Beach Erosion Bd., Tech. Memo. 32, 17pp.
- SAWYER, W. A.
1911 - Observations and experiments on ice expansion. Maine Soc. Civ. Eng. 1 : 27-40.
- SCHAEFER, V. J.
1950 - A new method for studying the structures of glacier ice. Jour. Glaciology, 1 : 441-442.
- SCHALK, M.
1946 - A study of textural changes in a beach by repeated samplings. Jour. Sed. Petrol., 16 : 43-51.
- SCHANIEL, C. L.
1953 - A camera for photographing bathythermograph slides. Jour. Mar. Res., 12 (3) : 277-279.
- SCHAPERCLAUS, W.
1933 - Lehrbuch der Teichwirtschaft. P. Parey, Berlin, 289pp.
- SCHERMERHORN, L. Y.
1887 - Physical features of the northern and northwestern lakes. Am. Jour. Sci., ser. 3, 33 : 278.
- SCHMALZ, J. (See Auerbach, M., 1931.)
- SCHMIDT, JOHN
1913 - Experiments with drift bottles. Report on the Danish oceanographical expedition 1908-10 to the Mediterranean and adjacent seas, 3 (1) : 1-19.
- SCHMITT, FREDRICK E.
1934 - The importance and necessity of research in the shore protection movement. Shore and Beach,

- SCHMITT, FREDRICK E. - continued
2 (1) : 25-29.
- SCHOOLCRAFT, H. R.
1831 - On the tides of Lake Superior. *Am. Jour. Sci.*, 20 : 213.
1842 - On the production of sand storms and lacustrine beds, by causes associated with the North American Lakes. *Rep. Bri. Assoc. (London), Am. Jour. Sci.*, 46 : 368, 1843.
- SCHUBERT, O. V. (See Defant, A., 1934.)
- SCHWARZACHER, W.
1951 - Grain orientation in sands and sandstones. *Jour. Sed. Petrol.*, 21 (3) : 162-172.
- SCHWITALLA, A. M. (See Cowles, R. P., 1923.)
- SCOFIELD, H. T. (See Wolfe, J. B., 1949, 1943.)
- SCOTT, F. M.
1927 - Introduction to the limnology of Searsville Lake. *Stanford Univ. Publ. Biol. Sci.*, 5 : 3-83.
- SCOTT, L. D.
1921 - Inland lakes of Michigan. *Mich. Geol. Biol. Survey, Publ. 30, Geol. Ser. 25*, 383pp.
1926 - Ice-push on lake shores. *Mich. Acad. Sci. Papers, No. 7*, pp. 107-123.
- SCOTT, W.
1916 - Report on the lakes of the Tippecanoe Basin (Indiana). *Indiana Univ. Studies*, 3 : 3-39.
1924 - The diurnal oxygen pulse in Eagle (Winona) Lake. *Ind. Acad. Sci. Proc.*, 33 : 311-314.
1931 - Investigations of Indiana Lake. 3. The lakes of Northeastern Indiana. *Dept. Cons. State of Ind. Publ. 107*, pp. 59-145.
- SEELEY, D. A.
1922 - Climate. *Mich. State Dept. of Agric.*, pp. 1-46.
- SEIWELL, H. R.
1949 - (and G. P. Wadsworth) A new development in ocean wave research. *Science*, 109 : 271-274.
1941 - Summary of some results of internal wave investigations in the North Atlantic. *Am. Geophys. Union*, 22 : 494.
- SELIGMAN, G.
1949 - The growth of the glacier crystal. *Jour. Glaciology*, 1 : 254-266.
- SELLARDS, E. H.
1914 - Some Florida lakes and lake basins. 6th Ann. Rept. *Fla. State Geol. Survey*, pp. 115-160.
- SHAFFER, P. R.
1944 - South shore of Lake Erie. *Geol. Surv. Ohio. Files, Shore and Beach*, 12 : 8-10.
1951 - Shore erosion on Sandusky Bay. *Ohio Jour. Sci.*, 51 : 1-5.
- SHANTZ, H. L.
1907 - A biological study of the lakes of the Pike's Peak region. *Am. Micr. Soc. Trans.*, 27 : 75-98.
- SHAPE, (See Pettijohn, F. J.)
- SHARP, H. S.
1929 - The physical history of the Connecticut shore-
line. *State of Conn. State Geol. and Nat. Hist. Survey, Bull. 46*.
- SHARPE, SAMUEL.
1831 - On the tide-like wave of Lake Ontario. *Phil. Mag. (London)*, 9 : 117.
- SHELFORD, V. E. (See Kunz, J., 1930, 1930a.)
1925 - The hydrogen ion concentration of certain Western American inland waters. *Ecology*, pp. 279-287.
1922 - (and F. W. Gail) A study of light penetration into sea water made with the Kunz Photo-electric cell with particular reference to the distribution of plants. *Publ. Puget Sound Biol. Sta.*, 3 : 141-176.
1926 - (and J. King) The use of photo-electric cells of different alkali metals and color screens in the measurement of light penetration into water. *Wis. Acad. Sci. Trans.*, 22 : 283-298.
1928 - The penetration of light into Puget Sound waters as measured with gas filled photo-electric cells and ray filters. *Publ. Puget Sound Biol. Sta.* 7 : 151-168.
1929 - Die Messung der Eindringens von licht in Wasser mit photo-elektrischen Zellen. *Abderhalden's Handbuch d. Biol., Arbeitsmeth., Abst. 9 Teil 2 Heft 3*, p. 1495-1524.
1929a - Use of photo-electric cells for light measurement in ecological work. *Ecology*, 10 : 298-311.
1930- The use of photo-electric cells in biological work. *Phys. Opt. Soc., Joint discussion*, pp. 187-193.
1942 - (and M. W. Boesel) Bottom animal communities of the island area of western Lake Erie in the summer of 1937. *Ohio Jour. Sci.*, 42 (5) : 179-190.
- SHEPARD, C. H.
1949 - Soil profiles. *Eng. Exp. Station, Bull. No. 136*, pp. 232-240.
- SHEPARD, F. R.
1935 - Geological mapping of the ocean bottom. *Science*, 82 (2139) : 614-615.
1936 - Undertow, Rip tide or "Rip Current." *Science*, n. s., 84 (2173) : 181-182.
1937 - Revised classification of marine shorelines. *Jour. Geol.*, 45 (6) : 602-624.
1937a - Origin of the Great Lakes. *Jour. Geol.*, 45 (1) : 76.
1943 - Shoreline erosion at La Jolla, Calif. *Civ. Eng. U. S.*, 13 (2) : 80-82.
1946 - Waves, beaches and action. *Scripps Institution of Oceanography, Univ. of Calif., La Jolla, Calif.*, 12 (S. I. Q. Wave project report No. 56.)
1948 - *Submarine Geology*. Harper & Bro., N. Y., pp. 1-348.

- SHEPARD, F. R. - continued
 1949 - Dangerous currents in surf. *Physics Today*, 2 : 20-29.
- SHEPARD, F. P.
 1934 - (and others) Origin of Georges Bank. *U. S. Geol. Survey Bull.*, (45) : 281-302.
 1937 - (and W. F. Wrath) Marine Sediments around Catalina Island. *Jour Sed. Petrol.*, 7 (2) : 41-50.
 1939 - (Lafond, E. C.) Undertow. *Science*, 89 (2300) 78-79.
 1941 - (and Emery, K. O.) Submarine topography off the Calif. Coast. *Geol. Soc. Am., Spec. Paper*. No. 31.
 1941a - (and others) Rip currents. A process of geological importance. *Jour. Geol.*, 49 (4) : 337-369.
 1947 - (and Grant, U. S.) Wave erosion along the southern California coast. *Geol. Soc. Am. Bull.*, 58 : 919-926.
 1950 - (and Inman, D. L.) Nearshore water circulation related to bottom topography and wave refraction. *Am. Geophys. Union Trans.*, 31 (2) : 196-211.
 1950a - Longshore bars and longshore troughs. Beach Erosion Board, U. S. Corps Eng., Tech. Memo. 15, 32pp.
 1950b - Longshore current observations in south Calif. Beach Erosion Board, Tech. Memo. 13, 54pp.
 1950c - Photography related to investigation of shore processes. Reprint from *Photogrammetric Engineering*.
 1951 - Transportation of sand into deep water. Turbidity currents, and the transportation of coarse sediments to deep water. *Soc. Econ. Paleo. and Min., Spec. Pub.* 2, pp. 53-65.
 1951a - (Inman, D. L.) Sand movement in the shallow-inter-canyon shelf at La Jolla, California. Beach Erosion Board, U. S. Corps Eng. Tech. Memo. 26, 29pp.
- SHEPPARD, R. D. (See Reeks, W. A., 1949.)
- SHERFELDT, G. T.
 1867 - On the subterranean sources of the water of the Great Lakes. *Am. Jour. Sci.*, ser. 2, 43 : 193-197.
- SHERMAN, IRVING.
 1951 - A rapid substitute for textual analysis. *Jour. Sed. Petrol.*, 21 (3) : 173-177.
- SHILLING, E. R. (See Dexter, R. W., 1942.)
- SHOUP, C. S. (See Platt, Robert B., 1950.)
- SIBLEY, C. K. (See Needham, J. G., 1922.)
- SIERP, F.
 1926 - Freischwimmender Stromungsanzeiger. *Die Wasser-Kraft* 17.
- SILVEY, GWYNN, J. K. (See Harris, Benjamin B., 1940.)
- SIMOJOKI, H.
 1954 - On the time of minimum temperature in
- SIMOJOKI, H. - continued
 Finnish Lakes. *Int. Soc. Limn. Proc.*, Cambridge Sept. 1953.
- SISLER, F. D. (See Zobell, 1953.)
- SLOSS, L. L.
 1949 - (and others) Integrated facies analysis. *Geol. Soc. Am. Memo.*, 39 : 91-99, 100-102.
- SMITH, LLOYD, L. JR.
 1940 - A limnological investigation of a permanently stratified lake in the Huron Mountain region of North Michigan. *Mich. Acad. Sci. Paper* 26 : 280.
- SMITH, W. H.
 1949 - Sand and gravel resources in northern Ohio. *Geol. Survey Ohio, Rept. of Invest. No. 6*, pp. 1-24.
- SOWERS, GEORGE.
 1949 - Shore erosion, what Ohio is doing along Lake Erie. *Great Lakes Conference on Shore Erosion Control*. Toledo, Ohio.
- SPANGLER, W. B.
 1950 - Subsurface geology of Atlantic Coastal Plain of North Carolina. *Am. Assoc. Petrol. Geol. Bull.*, 34 (1) : 100-132.
 1950a - (and J. J. Peterson) Geology of Atlantic Coastal Plain in New Jersey, Delaware, Maryland and Virginia. *Am. Assoc. Petrol. Geol. Bull.*, 34 (1) : 1-99.
- SPENCER, J. W.
 1881 - A short study of the features of the region of the lower Great Lakes during the river age. *Proc. Am. Assoc. (Salem)*, pp. 131-146.
 1881a - Discovery of the preglacial outlet of the basin of Lake Erie into that of our lower Great Lakes. *Am. Phil. Soc. Proc.*, 19 : 300-337; *Geol. Survey Pa.*, 2nd Rept., Q4, pp. 357-406, 1881; *abst.*, *Am. Nat.*, 15 : 408-410, 1881; *Can. Nat.*, 10 : 65-79, 1881; *Am. Jour. Sci.*, 3rd ser., 22 : 151-152, 1881.
 1882 - Discovery of the preglacial outlet of the basin of Lake Erie into that of Lake Ontario, with notes on the origin of our lower Great Lakes. *Am. Phil. Soc. Proc.*, 19 : 300-337.
 1882a - Surface geology of the region about the western end of Lake Ontario. *Can. Nat.*, 10 : 213-236, 256-312.
 1882b - Terraces and beaches about Lake Ontario. *Proc. Am. Assoc. (Salem)* 1882 : 359; also in *Am. Jour. Sci.*, ser. 2, 43 : 193.
 1888 - Notes on the origin and history of the Great

SPENCER, J. W. - continued

- Lakes of North America (abst) Proceedings of the Am. Assoc. Adv. Sci., 37 : 197-199.
- 1888a - Origin and history of the Great Lakes of North America. Proc. Am. Assoc. Adv. Sci., 31 : 197.
- 1888b - The St. Lawrence basin and the Great Lakes. Can. Rec. Sci., 3 : 232.
- 1890 - The deformation of Iroquois beach and birth of Lake Ontario. Am. Jour. Sci., ser. 3, 40 : 443.
- 1890a - The northeastern extension of the Iroquois beach in New York. Am. Geol., 6 : 294.
- 1890b - On the origin of the basins of the Great Lakes of America. Quart. Jour. Geol. Soc. London, 46 : 523.
- 1891 - Origin of the basins of the Great Lakes of America. Am. Geol., 7 : 86-97.
- 1891a - Deformation of the Algonquin Beach and birth of Lake Huron. Am. Jour. Sci., ser. 3, 41.
- 1891b - High-level shores in the Great Lakes and their deformation. Am. Jour. Sci., ser. 3, 41 : 201.
- 1894 - Deformation of the Lundy Beach and the birth of Lake Erie. Am. Jour. Sci., ser. 3, 47 : 207-212.
- 1894a - A review of the history of the Great Lakes. Am. Geol. (Minneapolis) 14 : 289; Pop. Sci. Mon. 49 : 157, 1896.
- 1895 - The duration of Niagara Falls and the history of the Great Lakes. (New York).
- 1896 - How the Great Lakes were built. App. Sci. Pop. Mon., 49 : 157.
- 1898 - An account of the researches relating to the Great Lakes. Am. Geol., 21 : 110-123.
- 1907 - The evolution of the falls of Niagara. Can. Geol. Survey.
- SPILHAUS, ATHELSTAN F.
- 1937 - A bathythermograph. Jour. Mar. Res., 1 (2) : 95-100.
- STAHL, K. M. (See Bowers, N. M., 1941.)
- STANLEY, G. M. (See Landes, K. K., 1945.)
- 1936 - Lower Algonquin beaches of Penetanguishene Peninsula. Geol. Soc. Am. Bull., 47 : 1933-1960.
- 1937 - Lower Algonquin beaches of Cape Rich, Georgian Bay. Geol. Soc. Am. Bull., 48 : 1665-1686.
- 1938 - The submerged valley through Machinac Straits. Jour. Geol., 46 : 966-974.
- STANSBERRY, D. H. (See Verber, James L., 1953d.)
- STAUFFER, CLINTON R.
- 1909 - The Middle Devonian of Ohio. Geol. Survey Ohio, 4th ser., Bull. 10, pp. 23-27, 124-144.
- STEERS, J. A.
- n. d. - Coastline of England and Wales. Cambridge Univ. Press, p. 546.

STEINBOCK, O.

- 1934 - Zur frage der sprungschicht. in Hochgebirgsseen. Arch. f. Hydrobiol., 27 : 397-415.
- 1938 - Arbeiten uber die Limnologie der Hochgebirgsgewasser. Int. Rev. Hydrobiol. Hydrogr., 37 : 467-509.
- STERNECK, R.
- 1915 - Hydrodynamische Theorie der halbtägigen Gezeiten des Mittelmeeres. Sitz. K. Akad. Wiss. Wien. Math. Natur. Kl., 124 : 905, Vienna.
- STETSON, H. C. (See also Hvorslev, M., 1946.)
- 1932 - Marine sediments and significance. Boston Soc. Nat. Hist. Bull., 62 : 12-17.
- 1937 - (and Upson) Bottom deposits of the Ross Sea. Jour. Sed. Petrol., 7 : 55-66.
- 1941 - (and Henry Crosby) Oceanography geology 1888-1938. 50th. Ann. Rept., Geol. Soc. Am., pp. 43-69; Smith Inst., Ann. Rept. 1943, pp. 219-244, 1944.
- 1947 - (and Phleger) Oceanography as related to petroleum geology. Am. Assoc. Petrol. Geol. Bull., 31 (1) : 1233-4.
- 1947a - (and others) Recent changes in sediments in the Gulf of Mexico. Science, 106 (2579) : 460-461.
- 1947b - Sub-arctic sediments in the Gulf of Mexico. Geol. Soc. Am. Bull., 58 (12) : 1233-4.
- STEVENSON, R. E. (See Emery, K. O.)
- STOKES, G. G.
- 1847 - On the theory of oscillatory waves. Cambridge Phil. Soc. Trans., 8 : 441.
- 1880 - On the theory of oscillatory waves. Math. and Physical Papers I.
- STOMMEL, HENRY. (See Woodcock, Alfred H., 1947.)
- 1948 - The westward intensification of wind-driven ocean currents. Am. Geophys. Union Trans., 29 : 202.
- 1949 - Trajectories of small bodies sinking slowly through convection cells. Jour. Mar. Res., 8 (1) 24-29.
- 1950 - The flushing of estuaries. Woods Hole Ocean. Inst., Rep. #50-37 : 206pp.
- 1951 - Streaks on natural water surface. In the process of publica. in. Br. Jour. Weather, Woods Hole Ocean. Inst., Ref. No. 51-32.
- STOUT, WILBER
- 1933 - Geology of the Lake Erie shore. Shore and Beach. 1 : 70-77.
- STOUT, WILBUR E.
- 1943 - (and others) Water in Ohio. Ohio Geol. Survey, Bull 44. p. 694.
- 1946 - Mineral resources of Ohio. Geol. Survey Ohio 4th ser, Infor. Circ. 1, pp. 1-33.
- 1947 - Generalized section of rocks of Ohio. Geol. Survey Ohio, 4th ser., Infor. Circ. 4; Bull. 44.

- STRINGHAM, B. (See Eardley, 1952.)
- STROM, K. M.
 1927-28 - Recent advances in limnology. *Limn. Soc. London Proc.*, 40 : 96-100.
 1929 - The study of limnology. *Jour. Ecol.*, 17 : 108-111.
 1930 - Limnological observations on Norwegian Lakes *Arch. f. Hydrobiol.*, 21 : 97; 124.
 1934 - Flakevtn, a semi-arctic lake of central Norway. *Skr. Horsk. Vidensk. Akad. Oslo. 1 Matematurvid Klasse No. 5* : 28pp.
 1938 - Norwegian mountain lakes. *Arch. f. Hydrobiol* 33 : 82-92.
 1944 - Heat in a south Norwegian lake. *Studies on Lake Eikeren during the years 1934 and 1935. Geofys. Publik.*, 16 (8) : 3-23.
 1945 - The temperature of maximum density in fresh waters. *Geofys. Publik.*, 16 (8) : 3-14.
- STROMSTEN, F. A.
 1927 - Lake Okoboji as a type of aquatic environment. *Univ. Iowa Studies in Nat. Hist.*, 12 : 3-52.
- STROOP, L. J.
 1870 - Did a glacier flow from Lake Huron into Lake Erie? *Am. Nat.*, 4 : 623-625.
- STUMP, R. S.
 1946 - Comparison of breaker heights and periods measured from photographs and observed from shore. *Univ. of Calif., Fluid Mechs. Lab., Tech. Rept. HE-116-196.* (Loan on request, Buships Code 847, Washington, D. C.)
 1946a - Comparison of breaker height with depth of breaking table bluff, *Univ. of Calif., Fluid Mech. Lab., Tech. Rept. HE -116-24,* (loan request Buships Code 847, Washington, D. C.)
- STUPART, R. F.
 1896 - Rainfall and lake levels. *Trans. Can. Inst. (Toronto)*, 5 : 121.
- SUDA, K.
 1926 - On the dissipation of energy in the density current. (2nd Paper) *Geophys. Mag. (Tokyo)*, 10 : 131-243.
- SULLIVAN, C. R. C. (See Wellington, W. G.)
- SUMBERGE, JAMES H.
 1953 - (and James T. Wilson) Effect on ice on shore development. *Coastal Eng., Part 2, Chicago, Ill.*
- SUOMI, V. E. (See Bryson, R. A., 1952; 1951; Verber, 1953b, 1953c.)
- SUZUKI, T. (See Hidaka, K., 1949.)
- SVENDSEN, S.
 1946 - Coast preservation problems in Denmark. *Shore and Beach*, 14 (10) : 36.
- SVERDRUP, H. U. (See Munk, W. H., 1944, 1946.)
 1926 - Dynamics of tides on the North Siberian shelf results from the Maud xpedition. *Geofysike Publikasjoner*, 4 (2).
 1941 - The influence of bottom topography on ocean currents. *Applied Mechanics*
 1946-(and others) *The oceans.* Prentice-Hall, N. Y., 1049 pp.
 1946a - (and W. H. Munk) Wind, sea, swell, empirical and theoretical relations between and in forecasting breakers and surf. *Am. Geophys. Union Trans.*, 27 (6) : 823-836.
 1947 - Wind-driven currents in a baroclinic ocean with application to the equatorial currents of the eastern Pacific. *Nat. Acad. Sci. Proc.*, 33 : 318.
- SYMPOSIUM.
 1938 - Geophysical exploration of the ocean bottom. (a symposium arranged by *Trans. Am. Geophys. Union* held Nov. 26, 1937, Phil., 144pp.)
 1940 - Hydrology of the Great Lakes. *Trans.* 105 : 794-849.
- TALLY, KLIVAS.
 1896 - The fluctuations of Lake Ontario. *Trans. Can. Inst. (Toronto)*, 5 : 27 : 8-1, 1905.
- TARR, R. S.
 1899 - The Great Lakes and Niagara. *Bull. Am. Geog. Soc. Bull.*, 31 : 217.
- TAYLOR, F. B. (See Leverett, F., 1915.)
 1894 - The limit of Postglacial submergence in the highlands East of Georgian Bay. *Am. Geol.*, 14(5).
 1894a - A reconnaissance of the abandoned shorelines of Green Bay, Lake Mich. *Am. Geol.*, 13 : 365.
 1894b - A reconnaissance of the ancient shorelines of Green Bay. *Am. Geol.*, 13 : 315-327.
 1894c - A Reconnaissance of the abandoned shorelines of the South coast of Lake Superior. *Am. Geol.*, 13 : 365-383.
 1895 - The second Lake Algonquin. *Am. Geol.*, 15 : 100, 162, 171.
 1895a - Niagara and the Great Lakes. *Am. Jour. Sci.*, ser. 3, 49 : 249.
 1895b - The Nipissing Beach on the North Superior shore. *Am. Geol.*, 15 : 304.
 1896 - Notes on the Quaternary geology of the Mattawa and Ottawa Valleys. *Am. Geol.*, 18 : 108-120.
 1897 - The Champlain submergence and uplift and their relations to the Great Lakes and Niagara Falls. *Rept. Brit. Assoc. (London)*, 652.
 1897a - Notes on the abandoned beaches on the north coast of Lake Superior. *Am. Geol.*, 20 : 111.
 1899 - The great ice dams of Lake Maumee, Whittlesey, and Warren. *Am. Geol.*, 34 : 6.
 1911 - Discussion of Lake Maumee in Ohio by Frank

- TAYLOR, F. B. - continued
Carney. Geol. Soc. Am. Bull., 22 : 726.
- TESTER, A. C.
1940 - Recent marine sediments. Jour. Geol., 48 (3) : 328-332.
- THIEL, G. A. (See Lacabanne, W. D., 1950.)
- THIENEMANN, A.
1925 - Die Binnengewässer Mitteleuropas Die Binnengewässer, 1 E. Schweizerbart'sche Verlag Stuttgart, 255pp.
1926 - Limnologie. Breslau. 108 pp.
1928 - Der Sauerstoff im eutrophen und oligotrophen See. Die Binnengewässer Bd., 176pp.
1930-31 - (and others) Tropische Binnengewässer. Arch. f. Hydrobiol., Suppl. Bd. 8, Heft. 1-4; 802 pp; Suppl. Bd. 9, Heft 1-4 : 764pp.
- THOMPSON, P. W.
1938 - The use and trustworthiness of small-scale hydraulic models. Civ. Eng. (U. S.), 8 : 255-257.
- THOMPSON, W. O.
1937 - Original structure of beaches, bars, and dunes. Geol. Soc. Am., 48 : 723-752.
- THOMSEN, H. (See Jacobsen, J. P., 1933.)
- THORADE, H.
1914 - Die Geschwindigkeit von Triftströmungen und die Ekman'sche Theorie. Ann. Hydrogv. Marit. Mit., 42 : 379, Berlin.
1928 - Gezeitenuntersuchungen in der Deutschen Bucht der Nordsee Deutsche Seewarte. Archiv., 46 (3) : 1-85.
- THORNTHWAITE, C. H.
1939 - (and Holzman) Determination of evaporation from land and water surfaces. Mon. Wea. Rev., 67 : 1.
1941 - Atlas of climatic types in the U. S. 1900-1939. U. S. Dept. Agric., Soil Conservation Service, Misc. Pub. 421; 95pp.
1948 - An approach towards a rational classification of climate. Geog. Rev., 38 : 55-94.
- TIBBY, R. B.
1939 - Report on returns on drift bottles released off Southern California, 1937. Bur. Mar. Fisheries, Div. of Fish Game of California, Fish. Bull. (55) 36.
- TIDD, W. M. (See Wright, Stillman, 1933.)
- TIETJENS, O. G. (See Prandtl, L., 1934.)
- TITCOMB, J. W. (See Needham, J. G., 1922.)
- TOMSON, W.
1879 - On gravitational oscillations of rotating water Proc. Royal Soc. Edinb., 10 : 92.
- TOTTEN, GEN. J. G.
1860 - On the sudden disappearance of the ice of our northern lakes in the spring. Am. Assoc. Adv. Sci. Proc., 14 : 46-51.
- TOWNSEND, COL. C. MED.
1913-14 - Effect upon the climate of the Lake States
- TOWNSEND, COL. C. MCD. - continued
by a change in the natural current of Lake Michigan. House Document 762, 63rd. Congress, 2nd. Session, Appen. C., pp. 40-71.
- TRANSEAU, EDGAR N.
1905 - Forest centers of Eastern America. Am. Nat., 39 : 875-889.
- TRANSEHE, N. A.
1928 - The ice cover of the Arctic Sea with a genetic classification of sea ice. Problems of Polar Research. Am. Geog. Soc., Spec. Pub. No. 7, p. 115.
- TRASK, P. D.
1930 - Mechanical analysis of sediments by centrifuge. Ecol. Geol., 25 : 581-299.
1932 - Origin and environment of source sediments of petroleum. Gulf. Pub. Co., Houston, Texas, 323pp.
1942 - (and others) Organic matter content. Pt. 8 of Geology and Biology of N. Atlantic deep-sea cores between Newfoundland and Ireland. U. S. Geol. Survey, Prof. Paper 196-E, 17 : 135-149.
1942a - Report of the Com. of sediments. 1940-1 with charts for the determination of detrital numericals. Nat. Res. Coun., Divis. Geol. and Geog. (Ann. Rept. app. c. Exhibits A & J) : 110.
- TRASK, F. (See Stetson, H. C., 1947a, 1947b.)
- TRATMAN, E. E. R.
1936 - American Beach and Shore Protection Works. Eng., 161 (4175) : 80.
- TRAYLOR, M. A. (See Munk, W. H., 1945, 1947, 1949; Putnam, 1949.)
- TREFETHEN, J. M. (See Shepard, F. D., 1934.)
1950 - Classification of Sediments. Jour. Sci., 248 : 56.
- TRENER, G.
1946 - (and G. Morandini) Gli Alti laghi alpini della Venezia Tridentina-Memoria. (10) Serie B., Supplemento al Bolletino di pesca, piscicoltura e di idrobiologia.
- TRESSLER, WILLIS L.
1931 - (and Domagalla) Limnological studies of Lake Wingra. Wis. Acad. Sci. Trans., 21 : 331-351.
1940 - (and others) A limnological study of Chautaugua Lake II. Seasonal Variation. Am. Micro. Soc. Trans., 59 (1) : 12-30.
- TREWARTHA, G. T. (See Finch, V., 1942.)
1943 - An introduction to weather and climate. McGraw-Hill Book Co., New York., 545pp.
- TULLY, J. P.
1935 - Weather and the ocean. Progress reports of Pacific Biological Station and Pacific Fisheries Experimental Station, (32) : 13-14.
1942 - Surface non-tidal currents in the approaches

- TULLY, J. P. - continued
to Juan de Fuca Strait. *Jour. Fish. Res. Bd. Can.*,
5 (5) : 398-409.
- TWENHOFEL, W. H.
1942 - The rate of deposition of sediments : a major
factor connected with alteration of sediments
after deposition. *Jour. Sed. Petrol.*, 12 (3) : 99-
110.
- TYLER, S. A.
1931 - The petrography of some bottom samples from
the North Pacific. *Jour. Sed. Petrol.*, 1 (1) : 12.
- TYRRELL, J. B.
1909 - Ice on Canadian Lakes. *Can. Inst. Trans.*, 9 :
13-21.
1910 - Ice on Canadian Lakes. *Can. Inst. Trans.*, 9 :
1-9.
- ULLOTT, PHILIP. (See Peasall, W. H., 1934.)
1934 - Photoelektrische Apparate im Dienste der
limnologischen Forschung. *Int. Rev. Hydrobiol.*
Hydrogr., 30 : 164-180.
- UNIV. MICHIGAN
1950 - Bibliography on beach erosion and related
subjects. *Mich. Univ. Eng. Res. Inst. Mich.*
Geol. Survey Res. Pub. 1, 86pp.
- UNTERSTEINER, N.
1951 - Seiches und Schelfschwingungen, untersucht
an einem Alpensee. *Archiv. fur Meteorologie*
Geophysik und Bioklimatologie, Series A, 3 (5) :
423-452.
- UPHAM, WARREN.
1891 - The fiords and great lake-basins of North
America considered as evidence of pre-glacial
continental elevation and of depression during
the glacial period. *Bull. Geol. Soc. Am.*, 1 :
563.
1893 - Relationship of glacial Lakes Warren, Algon-
quin, Iroquois and Hudson-Champlain. *Bull.*
Geol. Soc. Am., 3 : 484.
1896 - Pre-glacial and post-glacial valleys of the
Cuyahoga and Rocky River. *Geol. Soc. Am.*
Bull., 7: 327-348, 4 figs, map; abst., *Am. Geol.*,
17 : 105; *Jour. Geol.*, 4 : 127-128.
1896a - Cuyahoga pre-glacial gorge in Cleveland,
Ohio. *Geol. Soc. Am. Bull.*, 8 : 7-13; abst.,
Science, n. s., 4 : 385; *Am. Geol.*, 18 : 223-
225.
- UPSON. (See Stetson, H. C., 1937.)
- URRY, W. D.
1942 - Radioactivity of ocean sediments VI. Con-
centration of the radio-elements in marine sedi-
ments of the Southern Hemisphere. *Am. Jour.*
Sci., 247 : 257-275.
- U. S. ARMY CORPS OF ENGINEERS. (See Engineers, U.
S. Army, Beach Erosion Bd; and U. S. Lake Survey.)
n. d. - Shore line beach erosion study. Niagara
- U. S. ARMY CORPS OF ENGINEERS - continued
County, N. Y. 78th Congress, 1st. Session,
House Doc. 271.
n. d. - Summary of the theory of oscillatory waves.
Beach Erosion Bd., Office of the Chief of Eng.,
Tech. Rept. No. 2.
1947 - Inspection of shore lines Lakes Erie and
Ontario. Beach Erosion Bd.
1947a - Shore processes and beach characteristics.
Beach Erosion Board, Tech. Memo. 3, 35pp.
1947b - Sounding line and echo. Comparison of
results. Beach Erosion Board, Chief of Eng., 1 (2)
1947c - The Bulletin of Beach Erosion Board. 1 (3).
1950 - Toledo Harbor Report.
1952 - Appendices A to E. Basic physical and pro-
perty data. Office of the Div. Eng., Great
Lakes Divis., Chicago, Ill.
1952a - Appendices F to H. Lake Levels, Navigation
and protective measures. Office of the Div.
Eng., Great Lakes Div. Chicago, Ill.
1952b - Preliminary examination report on property
damage on the Great Lakes resulting from changes
in lake levels. Main Report, Office of the Div.
Eng., Great Lakes Div. , Chicago, Ill., 103pp.
1953 - Shore protection planning and design. *Bull.*
Beach Erosion Bd., Special Issue 2, 23 pp.
- U. S. BUREAU OF ENGINEERS.
1849 - Map of Lake Erie. Survey of Northern and
Northwestern Lakes. Washington.
- U. S. BEACH EROSION BOARD.
1938 - Littoral drift study, Los Angeles, Calif. *Bull.*
Beach Erosion Board, 2 (3) : 1-5.
- U. S. COAST AND GEODETIC SURVEY.
1938 - Manual of current observations. Special Pub.
No. 215; pp. 1-75. Washington
- U. S. DEPT. OF AGRIC.
1941 - Climate and Man. Yearbook of Agric., pp. 1-
1248, Washington D. C.
- U. S. DEPT. OF INTERIOR.
1952 - Surface water supply of the U. S. Pt. 4, St.
Lawrence River Basin. U. S. Geol. Survey, Water
Supply Paper 1174, Washington, D. C.
1953 - 25 years of federal fishery research on the
Great Lakes. Special Sci. Rept. Fisheries 85
Fish and Wildlife ser., 48pp.
- U. S. ENG. DEPT.
1905 - Effects of wave action on certain harbors on
Lake Michigan. Letter from Sec'y of War, 59th.
Congress, 1st. Session, House Document 62.
- U. S. GEOLOGICAL SURVEY.
1952 - Water-loss investigations. v. 1. Lake Hefner
Studies. U. S. Geol. Survey Tech. Rept. Circular
229.
- U. S. HYDROGRAPHIC OFFICE PUBL.
1943 - List of references on beaches littoral drift and

- U. S. HYDROGRAPHIC OFFICE PUBL. - continued waves. Hydrographic Office., U. S. N. Dept. 1943a - Wind, waves and swell, Principles in forecasting. Hydrographic Office, Publ. Mics., 11. 275. 61.
- 1944 - Breakers and surf. Hydrographic Office publ., (234) : 52.
- U. S. LAKE SURVEY. (See U. S. Army Corps of Engineers Engineers, U. S. Army)
- 1938 - Survey of Northern and Northwestern Lakes. Corps of Eng., Bull. 47, Washington, D. C.
- 1949 - Bull. 58. (Supplemental information on U. S. Lake Survey, Chart, 519pp.)
- 1952 - Variation in Great Lake levels. Corps of Eng., U. S. Army, Great Lakes Divison, Feb. 33pp., 4 figs.
- Monthly. - Lake levels. Corps of Eng., U. S. Army, Detroit, Michigan.
- U. S. NAVY DEPT.
- 1947 - Wind, waves at sea breakers and surf. Hydro. Office, Pub. 602, pp. 1-177.
- U. S. NAVY ELECTRONICS LABORATORY.
- 1950 - Review of evaporation theory and development of instrumentation. Interim Report Lake Mead Water Loss Investigations, Washington.
- U. S. PUBLIC HEALTH SERVICE.
- 1951 - Lake Erie drainage basin. Federal Security Agency, Public Health Survey 119, Water Pollution ser. 11.
- 1951a - Water Pollution in the United States. Federal Security Agency, Pub. No. 64, Washington Water Pollution ser. No. 1.
- U. S. WATER WORKS EXP. STA.
- 1939 - Sounding rod for measuring and mapping model beds. U. S. Waterways Exp. Sta. Bull., 2 (3) : 18.
- 1940 - Measurement of silt deposition. U. S. Waterways Exp. Sta. Bull., 3 (2) : 13-14.
- 1940a - Model study of similitude of wave action U. S. Waterways Exp. Sta. Bull., 4 (1); 2-8.
- U. S. WEATHER BUREAU.
- 1936 - Climatic summary of the U. S. U. S. Dept. of Agric., Section 68, N. Ohio, Washington.
- 1938 - Atlas of climatic charts of the oceans. U. S. Dept. Comm., Washington, D. C. 130 Charts.
- 1944 - Weekly mean values of daily total solar and sky radiation. Tech. Paper No. 11, U. S. Dept. of Comm., Washington, D. C., pp. 1-17.
- 1947 - Climatological data. U. S. Dept. of Agric., Ohio Sec., 36 (13) to 52 (13), Columbus, Ohio.
- 1948-49 - Climatological Data. U. S. Dept. of Comm. Ohio Annual Summary 53 (14) to 54 (14), Washington, D. C.
- 1931-50 - Climatological data, Ohio, Section No. 13 (36-55), Columbus.
- UTTERBACK, C. L. (See Atkins, W. R. G., 1938.)
- VAILLANT, F.
- 1954 - Sur le facteur vitesse du courant. Int. Soc. Limn. Proc., Cambridge, Sept. 1953.
- VALLENTYNE, J. R. W. (See Hutchinson, G. E., 1954.)
- VANDORN, W. G.
- 1953 - Wind stress on an artificial pond. Jour. Mar. Res., 12 (3) : 249-276. Scripps.
- VAN HORN, FRANK R. (See Cushing, H. P., 1931.)
- VANONI, VITO A.
- 1951 - (and John A. Carr.) Harbor surging. Proc. First Conference on coastal Eng., Coun. on wave res., Eng. Foundation, Univ. of Calif.
- VAN OOSTEN, JOHN.
- 1945 - Turbidity as a factor in the decline of Great Lakes Fishes, with special reference to Lake Erie. Am. Fish. Soc. Trans., 75 : 281.
- VARNEY, F. M.
- 1936-37 - (L. E. Redwine) A hydraulic coring instrument for submarine geological investigation. Nat. Res. Coun., Rept. Comm. Sed., pp. 107-113.
- VAUGHN, THOMAS W.
- 1932 - Report of the committee on submarine configurations and oceanic circulation. Nat. Res. Comm.
- VERBER, JAMES L.
- 1952 - Nomographs for determining seiche periods. Science, 116 (3003) : 62-63.
- 1953 - Surface water movements in western Lake Erie. Ohio Jour. Sci., 53 (1) : 42-46.
- 1953a - Tentative summary of studies of water movements in Lake Erie. Lake Erie Pollution Survey, Dept. Nat. Res., Divis. of Water, State of Ohio.
- 1953b - (and others) Shore time variation of temperature in Lake Mendota. Wisconsin. Ohio Jour. Sci., 53 (2) : 72-76.
- 1953c - (and others) Currents in Lake Mendota, Wisconsin. Ohio Jour. Sci., 53 (3).
- 1953d - (and D. H. Stansbery) Caves in the Lake Erie Islands. Ohio Jour. Sci., 53 (6) : 358-362.
- 1954 - Rotational movements of water in western Lake Erie. Int. Soc. of Limn. Trans., Presented at Cambridge, Sept. 1953.
- 1954a - The climate of South Bass Island. Western Lake Erie. In press.
- VERDUIN, J.
- 1951 - A comparison of phytoplankton data obtained by a mobile sampling method with those obtained from a single station. Am. Jour. Bot., 38 (1) : 5-11.
- 1952 - Photosynthesis and growth rates of two diatom communities in western Lake Erie. Ecology, 33 (2) : 163-168.

- VER STEEG, KARL (see Stout, W., 1943)
 1935 - (and George Yunck) Geography and geology of Kelley's Island. Rept. from the Ohio Jour. Sci., 35 (6).
 1936 - The buried topography of western Ohio. Jour. Geol., 44 : 918-939.
- VINE, A. (see Ewing, M., 1946, 1946a)
- VISHER, STEPHEN S.
 1941 - Some climatic influences of the Great Lakes. Am. Met. Soc. 24 : 205-210.
- VOGT, J. E. (see Pierce, D. M., 1953)
- VON ENGELIN, O. D.
 1931 - Deposition of sediments in lakes by glacial streams. Science, 73 : 313-314.
- VORCE, C. M.
 1881 - Microscopic forms observed in water in Lake Erie. Am. Micro. Soc. Proc., 51 : 187, 1882.
- WADSWORTH, G. P. (see Seiwel, H. R., 1949)
- WAGLER, E.
 1927 - Der Blauefelsen des Bodensees. Int. Rev. Hydrobiol. Hydrogr., 18 : 129-230.
- WAGNER, LAVERNE G. (see Tressler, Willis L., 1940)
- WAGNER, O. (see Kjellman, W., 1950)
- WALDICHUK, M.
 1952 - Oceanography of the Strait of Georgia I. Salinity distribution. Progress reports of Pacific Biological Station and Pacific Fisheries Exp. Sta., 93 : 26-29.
 1953 - Oceanography of the Strait of Georgia II. Temperature distribution. Progress reports of the Pacific Stations, 94 : 19-23.
 1953a - Oceanography of the Strait of Georgia III. Character of the bottom. Progress reports of the Pacific Stations, 95 : 59-63.
 1953b - Oceanography of the Strait of Georgia IV. Dissolved oxygen distribution. Progress reports of the Pacific Stations, 96 : 6-10.
- WALLIS, A. H.
 1920 - An investigation of evaporation over free surfaces of water in inland South Africa. Royal Soc. S. Africa Trans., 8 : 283-292.
- WARD, H. B.
 1895 - A biological examination of Lake Michigan in the Traverse Bay region. Mich. Fish. Comm., Bull. No. 6.
 1895a - The food supply of the Great Lakes and some experiments on its amount and distribution. Am. Micro. Soc. Proc., 17 : 242.
 1899 - Freshwater investigations during the last five years. Am. Micro. Soc. Trans., 20 : 261-336.
 1904 - A biological reconnaissance of the elevated lakes in the Sierras and Rockies. Am. Micro. Soc. Trans., 25 : 127-154.
 1918 - (and G. C. Whipple) Fresh-water biology.
- WARD, H. B. - continued
 New York 1, 111 pp.
- WARD, J. W. (see Montgomery, L. M., 1947)
- WARD, R.
 1929 - Climatology and some of its applications. Sci. Mon., Feb., pp. 15f-171.
- WAREHAM, R. T. (see Wolfe, J. B., 1949, 1943)
- WARREN, G. K.
 1875 - Appendix J. Rept. of the Chief of U. S. Eng., Am. Jour. Sci., 16 (3) : 416-431, 1878.
- WASMUND, ERICH.
 1927 - Die stromungen im Bodensee. Int. Rev. Hydrobiol. Hydrogr., 18 and 19.
 1928 - Die Stromungen im Bodensee. Int. Rev. Hydrobiol. Hydrogr., 19 : 21-155.
- WATERS, C. H.
 1939 - Equilibrium slopes of sea beaches. Thesis, Univ. of Calif.
- WATKINS, DOROTHY G.
 1953 - Bibliography of Ohio Geology. Ohio Div. Geol. Survey, Bull. 52, Columbus.
- WATSON, E. E.
 1904 - Movements of the waters of Loch Ness as indicated by temperature observations. Geog. Jour., 24 : 430, London.
 1953 - An experiment to determine the hydrodynamic forces on a cable inclined to the direction of flow. Jour. Mar. Res., 12 (3) : 245-248. Queen's Univ., Kingston, Ont.
- WATTS, G. M.
 1953 - Development and field test of a sampler for suspended sediment in wave action. Beach Erosion Bd., Tech. Memo. 34, 41 pp.
 1953a - Field investigation of suspended sediment in the surf zone. Coastal Eng., Part 2, Oct., Chicago.
 1953b - A study of sand movement at South Lake Worth Inlet, Florida. Beach Erosion Bd., Tech. Memo. 42, 24 pp.
- WEDDERBURN, E. M. (see also Chrystal, G., 1905)
 1910 - Temperature of Scottish lakes. In Murray and Pullar's Bathymetrical Survey of the Scottish fresh-water lochs, 1 : 91-144.
 1911 - Some analogies between lakes and oceans. Int. Rev. Hydrobiol. Hydrogr., 4 : 55-64.
 1912 - Temperature observations in Loch Earn, with a further contribution to the hydrodynamical theory of the temperature seiche. Royal Soc. Edinb. Trans., 48 : 629.
- WEEKS, OWEN B. (see Chandler, D. C., 1945)
 1945 - (and D. C. Chandler) A visual comparator for the estimation of turbidities of lake water of less than 25 ppm. Limn. Soc. Am., Spec. Pub. 17.
- WEICHEL, A. F.
 1946 - Lake Erie beach erosion problem. Shore and

WEICHEL, A. F. - continued

Beach, 14 (1) : 16.

WELCH, P. S.

1932 - (and F. E. Eggleton) Limnological investigations on northern Michigan lakes. II. A further study of depression individuality in Douglas Lake. Mich. Acad. Sci. Papers, 15 : 491-508.

1935 - Additional data on submerged depression individuality in Douglas Lake. Mich. Acad. Sci. Papers, 20 : 737-750.

1935a - Limnology. McGraw-Hill Book Co., New York, pp. 1-471.

1935b - Limnological investigations of a strongly basic bog lake surrounded by and extensive acid forming bog material. Mich. Acad. Sci. Papers, 21 : 727.

1943 - Frame for operating two reversing thermometers simultaneously. Limn. Soc. Am., Spec. Pub. 13.

1944 - The hatchet planimeter as a limnological instrument. Limn. Soc. Am., Spec. Pub. 14.

1948 - Limnological methods. Blakiston Co., Philadelphia, pp. 1-381.

WESENBERG-LUND, C. (see Bronsted, J. N., 1911)

WHALEY, H. H.

1952 - (and T. C. Hopkins) Atlas of the salinity and temperature distribution of Chesapeake Bay 1949-1951. Ref. 52-4. Graphical Summary Rept. I. The Chesapeake Bay Inst. The John Hopkins Univ.

WHEELER, W. H.

1898 - Undulations in lakes and inland seas due to wind and atmospheric pressure. Nature, 57 (1475) : 321-322.

WHEELER, R. A.

1950 - Cleveland and Lakewood, Ohio. Beach erosion study. 81st Congress., 2nd Session, House Doc. 502, 56 pp.

WHILEY, R. C. (see Carpenter, J. H., 1954)

WHIPPLE, G. C. (see Ward, H. B., 1918)

1895 - Some observations of the temperature of the surface waters, and the effect of temperature on the growth of microorganisms. Jour. N. E. Water Assoc., 9 : 202.

1898 - Classification of lakes according to temperature. Am. Nat., 2 : 143.

1927 - The microscopy of drinking water. 4th. ed., Rev. by Fair and Whipple; N. Y., 586 pp.

WHITE, GEORGE W.

1926 - The limestone caves and caverns of Ohio. Ohio Jour. Sci., 26 : 79-86.

1944 - Lake Erie shore erosion in Ohio. Shore and Beach, 12 (1) : 8-10.

WHITE, GEORGE W. - continued

1945 - (and W. H. Gould) Shore line erosion. Eng. Exp. Station News, 17 (2).

WHITING, HENRY

1831 - Remarks on the supposed tides and periodic rise and fall of the North American lakes. Am. Jour. Sci., 20 : 205-219.

WHITTLESEY, CHARLES

1838 - Geological report Ohio. Geol. Survey Ohio, 2nd Ann. Rept., pp. 41-71.

1850 - On the natural terraces and ridges of the country bordering Lake Erie. Am. Jour. Sci., 2nd ser., 10 : 31-39, 1850; also in his fugitive essays, pp. 179-191, Hudson, Ohio, 1852.

1851 - Measurements upon the rise and fall of the surface of the northern lakes. True Democrat, Cleveland, Apr. 23, 1851; also in his fugitive essays, pp. 232-253, Hudson, Ohio, 1852.

1857-58 - On fluctuations of level in the North American lakes. Am. Assoc. Adv. Sci. Proc., Cambridge, 1857-58, pp. 154; also in Smithsonian, Cont. Know (Washington) 12, Art. 3, 1860.

1859 - On fluctuations of water level at Green Bay, Wis., Am. Jour. Sci., ser. 2, 27 : 1859.

1860 - On fluctuations of level in the North American lakes. Smithsonian Cont. to Knowledge, 12 (3) : 1-25.

1867 - On the ice movements of the glacial era in the valley of the St. Lawrence. Am. Assoc. Adv. Sci. Proc., 15 : 43-54.

1873 - On the cause of transient fluctuations of level in Lake Superior. Am. Assoc. Adv. Sci. Proc., (Washington) 1873, 42.

1874 - Sudden fluctuations of level in quiet waters - records of observations. Am. Assoc. Adv. Sci. Proc., 23 : 139-143.

1875 - Physical geography of Lake Superior. Am. Assoc. Adv. Sci. Proc. (Washington) 1875, p. 60.

1875a - On fluctuations of level in Lake Erie. Can. Nat. Jour. Sci. (Montreal), n. s., 7 : 407-414.

1878 - Ancient glacial action Kelley's Island, Lake Erie. Am. Assoc. Adv. Sci. Proc. (Washington), 1878, pp. 239-245.

WIEBE, A. H.

1939 - Dissolved oxygen profiles at Norris Dam and in the Big Creek sector of Norris Reservoir with a note on the oxygen demand of the water. Jour. Sci., 29 (1).

1939a - Density currents in Norris Reservoir. Ecology, 20 (3) : 446-450.

1940 - The effect of density currents upon the vertical distribution of temperature and dissolved oxygen in Norris Reservoir. Tennessee Acad. Sci., 15 (3).

1941 - Density currents in impounded waters, their

- WIEBE, A. H. - continued
significance from the standpoint of fisheries management. *Trans. Sixth North Am. Wildlife Conference*, pp. 256-265.
- WIEGAL, R. L. (see Isaacs, J. D., 1949)
1949 - Experimental study of surface waves in shoaling water. *Univ. of Calif. Fluid Mech. Lab. Tech. Rept. HE-116-301.*
- WILHOYT, E. E.
1940 - A model study of refraction around an island. M. S. Thesis, Univ. of Calif.
- WILLIAMS, G. R.
1937 - (and others) Selected bibliography on erosion and silt movement. U. S. Geol. Survey, Water Supply Paper 797, pp. 91.
- WILLIAMS, JEROME
1953 - Tech. Rept. 5. The duel filter hydrophotometer. The Chesapeake Bay Institute, The John Hopkins Univ.
- WILLIAMS, W. W. (see King, C. A. M., 1949)
- WILLMORE, P. L.
1946-47 - Seismic experiments on the north German explosions. *Royal Soc. London Philos. Trans., Ser. A., 242 (843) : 123-151.*
- WILM, H. G. (see Work, R. A., 1951)
- WILSON, A. W. G.
1908 - Shoreline studies of Lake Ontario and Erie. *Geol. Soc. Am. Bull., 19 : 498-499.*
- WILSON, BASIL W.
1953 - The mechanism of seiches in Table Bay Harbor, Cape Town. *Coastal Eng., Part 1, Chicago.*
- WILSON, F. C. (see Juday, C., 1924)
- WILSON, I. T.
1941 - A new device for sampling lake sediments. *Jour. Sed. Petrol., 11 : 73-79.*
1943 - Varves in Sandusky Bay sediment. *Ohio Jour. Sci., 43 (5) : 195-197.*
- WILSON, J. T.
1950 - Recent applications of geophysical methods to the study of the Canadian shield. *Am. Geophys. Union Trans., 30 (1) : 101-114.*
1954 - (and others) A study of ice on an inland lake. *Sipre Rept. 5, Pt. 1.*
- WINCHELL, A.
1897 - The age of the Great Lakes of North America. *Am. Geol., 19 : 336-339.*
- WINCHELL, N. H.
1871 - The glacial features of Green Bay, Lake Michigan with some observations on a probable outlet of Lake Superior. *Am. Jour. Sci., 3rd ser., 2 : 15.*
1873 - The surface geology of northwestern Ohio. *Am. Assoc. Adv. Sci. Proc., 21 : 152-186; abst., Am. Jour. Sci., 3rd ser., 4 : 321-322.*
1874 - Report on the geology of Ottawa Co. *Geol.*
- WINCHELL, N. H. - continued
Surv. Ohio, 2 (1) : 227-235.
- WINTHROP, JAMES
1793 - Barometrical observations and remarks made during a tour to Lake Champlain. *Am. Acad. Sci. Mem., 2 : 127.*
- WISNER, G. Y.
1898 - The rainfall and outflow of the Great Lakes. *Mon. Wea. Rev., 26 (5) : 215-216.*
- WITHLER, F. C.
1948 - Lakes of the Skeena River drainage VIII, Lakes of the Lac-da-dah basin. *Progress reports of Pacific Biological Station and Pacific Fisheries Experimental Station, (74) : 9-12.*
1949 - (and others) Lakes of the Skeena River drainage IX Babine Lake. *Progress reports of Pacific Biological Station and Pacific Fisheries Experimental Station, (78) : 6-10.*
- WITTING, R.
1909 - Zur Kenntnis des vom Winde erzeugten Oberflächenstromes. *Ann. Hydrogr. Marit. Met., 37 : 193.*
- WOEIKOFF, DR. ALEXANDER VON.
1881 - Schwankungen des wasserspiegels der grossen amerikanischen Seen und des Ladoga-Sees. *Zeitschrift der Osterreichischen Gesellschaft für Meteorologie, 16 : 287-290.*
1892 - Mehr jährige Schwankungen der Tiefentemperaturen des Genfersees und anderer Seen und Binnenmeere warmerer Gegenden. *Met. Zeitschrift, (Wien), 9 : 228.*
1897 - Bemerkungen über die Temperatur russischer Flüsse und Seen. *Met. Zeitschrift, 14 : 170.*
1900 - Temperatur und Bewölkung am ufer der Baikal und auf den Benachbarten Hohen. *Met. Zeitschrift, (Wien), 17 : 28.*
1901 - Die Seespiegelschwandung zwischen aralsee und barbara und die Brucknersche Hypothese. *Petermann Mitt. (Gotha) 47 : 199.*
1903 - Les lacs du type polaire et les conditions de leur existence. *Arch. Sci. Phys. Nat. (Geneve), 16 : 300.*
- WOOD, HAROLD A.
1951 - Erosion on the shore of Lake Erie - Point Aux Pins to Long Point. *McMaster University, Hamilton Ont., Can., Unpublished, M. S. Thesis.*
- WOODCOCK, A. H.
1941 - Surface cooling and streaming in shallow fresh and salt water. *Jour. Mar. Res., 4 (2) : 153-161.*
1944 - A theory of surface water motion deduced from the wind induced motion of the Physalia. *Jour. Mar. Res., 5 (3) : 196-205.*
1947 - (and Henry Stommel) Temperatures observed near the surface of a fresh-water pond at night.

- WOODCOCK, A. H. - continued
 Jour. Met., 4 : 102-103.
 1950 - Subsurface Pelagic Sargassum. Jour. Mar. Res., 9 (2) : 77-92.
- WOODLEY, J. W. A. (see Butcher, R. W., 1927)
- WOODS HOLE OCEANOGRAPHIC INST.
 1950 - Colloquium on the fishing of estuaries. Office Naval Research Cont. No. Nonr. 169 (00) Hydrodynamics Lab., M. I. T., pp. 1-206.
- WOODWARD, S. M.
 1941 - (and C. J. Posey) Hydraulics of steady flow in open channel. John Wiley, New York.
- WOOLLARD, G. P. (see Ewing, M., 1946)
- WORTHINGTON, E. B.
 1932 - (and L. C. Beadle) Thermoclines in tropical lakes. Nature, 129 (3245), pp. 55-56.
- WORZEL, J. (see Ewing, M., 1946, 1946a, 1949)
- WRATH, W. F. (see Shepard, F. P., 1937)
- WRIGHT, A. J.
 1953 - Economic geography of Ohio. Ohio Dept. of Nat. Res. Div. Geol. Survey, Bull. 50, 217 pp.
- WRIGHT, G. F.
 1884 - The Niagara River and the glacial period. Am. Jour. Sci., 3rd. ser., 28 : 32-35.
 1884a - The glaciated area of North America. Am. Nat., 18 : 755-767.
 1890 - The lake ridges of Ohio and their probable relations to the lines of glacial drainage in the valley of the Susquehanna. abst. Am. Assoc. Adv. Sci. Proc. 38 : 247, 1890; Pop. Sci. Mon., 36 : 423-424.
 1892 - The supposed post-glacial outlet of the Great Lakes through Lake Nipissing and the Mattawa River. Bull. Geol. Soc. Am., 4 : 423-425.
 1898 - Supposed "Corduoy Road" of late glacial age, at Amboy, Ohio. abst., Am. Assoc. Adv. Sci. Proc., 48 : 298; Am. Geol., 22 : 259; Science, n. s., 8 : 502-503.
- WRIGHT, JOHN CLIFFORD
 1952 - The limnology of Atwood Lake, a flood control reservoir. Abstracts of doctoral dissertations No. 63, O.S.U. Press, pp. 393-398.
- WRIGHT, STILLMAN
 1929 - Limnology of Lake Erie. Manuscript files at Stone Lab., Div. of Wildlife., Div. of Shore Erosion.
 1931 - Bottom temperature in deep lakes. Science, 74 : 413.
 1932 - Pollution in western Lake Erie. The Fisherman, 1 (6) : 3-4, 10.
 1933 - (and W. M. Tidd) Summary of limnological investigations in western Lake Erie in 1929 and 1930. Am. Fish. Soc. Trans., 63 : 281-285.
- YELLOLY, JOHN
 1854 - Note sur les seiches du lac leman. Soc. Vaud.
- YELLOLY, JOHN - continued
 Sci. Nat. Bull., (Lausanne), 4 : 411.
- YOSHIMURA, S.
 1930 - Horizontal distribution of dissolved oxygen and hydrogen ion concentration in several Japanese Lakes. Geophys. Mag., 3 : 1-10.
 1931 - Contribution to the knowledge of hydrogen ion concentration of the lake water in Japan. Imp. Acad. Proc., 7 : 195-197.
 1931a - Seasonal variation of iron and manganese in the water of Takasukanuma, Sitama, Japan. Jour. Geol. Geog., 8 : 269-279.
 1931b - Water temperature and dissolved oxygen in several subaqueous basins of Lake Akimota, Fukushima. Arch. f. Hydrobiol., 23 : 279-283.
 1932 - Calcium in solution in the lake waters of Japan. Jap. Jour. Geol. Geog., 10 : 33-60.
 1932a - Contributions to the knowledge of nitrogenous compounds and phosphate in the lake waters of Japan. Imp. Acad. Proc., 8 : 155-185.
 1932b - Seasonal variation in content of nitrogenous compounds and phosphate in the water of Takasuka Pond, Saitama, Japan. Arch. f. Hydrobiol., 24 : 155-176.
 1932c - Summer temperature of deep Japanese lakes. Imp. Acad. Proc., 8 : 79-82.
 1936 - On the dichotomous stratification of hydrogen-ion concentration of some Japanese lake waters. Japan. Jour. Geol. Geog., 9 : 155-185.
- YOUNG, R. K.
 1929 - Tides and seiches on Lake Huron. Jour. Royal Astron. Soc. Can., 23 (11) : 445-455.
- YOUNG, R. T.
 1924 - The life of Devils Lake, North Dakota. N. D. Biol. Station, 116 pp.
- YOUNGQUIST, CARL V. (see Stout, W. E., 1942)
 1946 - Ohio's water resources. Ohio State Univ., Eng. Exp. Sta., Circ. No. 48, 30 pp., 15 figs.
 1949 - Water in Ohio, summary and prospects. Ohio Water Res. Bd., Bull. 20, 36 pp.
- YUNCK, GEORGE (see Ver Steeg, Karl, 1935)
- ZENKOVICH, V. P.
 1946 - The process of bottom drifting. Moscou., C. R. No. 5, pp. 421-423.
- ZOBELL, C. E.
 1933 - Photochemical nitrification in sea water. Science, 77 : 27-28.
 1953 - (and others) Evidence of biochemical heating in Lake Meade Mud. Jour. Sed. Petrol., 23 (1) : 13-17.
- ZUMBERGE, J. H. (see Wilson, James T., 1954)
 1952 - The lakes of Minnesota. Minnesota Geol. Survey, Bull. 35, pp. 59-63.

INDEX and ALPHABETICAL LIST OF LAKES CITED

- African lakes: See also under Chemical studies; Geography; Water levels. Damas, 1954.
- Air temperature: See under Climate.
- Antarctic lakes: See under sediments.
- Apparatus: See also under Light transmission; Limnology; Sediment.
- Arctic lakes: Rawson, 1953a.
- Argentina lakes: Oliver, 1954.
- Athabaska, Lake: See also under General geology; Glacial geology.
- Atwood Lake: Wright, 1952.
- Awe, Lake: Jenkins, 1930.
- Baikal, Lake: See under Temperature.
- Baltic Sea: Gustafson, 1938.
- Barometric pressure: See also under Climate; Seiches.
- Bathysphere: Beebe, 1933.
- Bathythermograph: Church, 1942, 1945a, 1946; Spilhaus, 1937; Verber, 1953, 1953b, c, 1954.
- Beach formation: See also under Erosion; Waves; Sediments.
- Bars: Shepard, 1950a.
- Cusps: Kunen, 1948
- Sand movements: Bagnold, 1947; Emery, 1945; Kindle, 1936; King, 1949, 1951; Krumbein, 1944, 1944a, 1949, 1950; Krumbein and Ohsieh, 1950; Lafond, 1938; Leyboldt, 1941, 1941a.
- Beaches: See under Erosion.
- Bascom, 1953; Beach Erosion Board, n. d.; Bretz, 1944; Deane, 1926; Dent, 1916; Emery, 1945a; Grant, 1948; Knox, 1946; MacCarthy, 1931; Powers, 1943; Schalk, 1946; Shepard, 1937; Steers, n. d.; Svendsen, 1946; Tratman, 1936.
- Erie, Lake: Wilson, 1908.
- Ontario, Lake: Wilson, 1908.
- Structure: Thompson, 1937; U.S. Army, 1947a; Waters, 1939.
- Bear Lake: Foskett, 1947a.
- Bibliography:
- Erosion: Beach Erosion Board, 1950; Univ. Mich., 1950; Williams, 1937.
- Geology: Watkins, 1953.
- Hydrobiology: Fritsch, 1920.
- Limnology: Chumley, 1910; Pennak, 1941.
- Sediments: Anderson, 1936, 1937.
- Waves: U. S. Hydro. Surv.
- Biography:
- Birge: Brooks, 1951.
- Black Sea: See also under Geography; Temperature.
- Bog Lake: Welch, 1935b.
- Breakwater:
- General: Johnson, J., 1938; Legget, 1939; Mann, 1947; McIntosh, 1947.
- Great Lakes: Anon., 1922, 1931, 1945; Heavey, 1933.
- Jetties: Anon., 1945; Haferkorn, 1932; Hall, 1942; Ross, 1948.
- Calm spots: Forel, 1873b; Morton, 1932.
- Caspian Sea: See Temperature.
- Knipowitsch, 1922.
- Caves: See under Geography.
- Central American lakes: Juday, 1915.
- Chautaugua Lake: Tressler, 1940.
- Chemical Studies:
- Aeration: Adenery, 1926.
- African lakes: Beadle, 1932; Hutchinson, 1930.
- Denmark, lakes of: Bronsted, 1911.
- Erie, Lake: Alsterberg, 1930; Barnes, 1934; Behning, 1926; Birge, 1910; Chandler, 1940, 1942a, 1944, 1945; Clarke, 1928; Clarke, 1924; Cowles, 1923; Dussart, 1947; Ellis, 1931; Elton, 1935, 1946; Fish, 1929, 1929a; Freeman, 1933; Fry, 1953; Harvey, 1925, 1928; Houssay, 1915; Juday, 1924; Kemmerere, 1923; Nauman, 1926; Ohio State, 1953a; Philip, 1927; Pia, 1933; Poweres, 1928, 1928a, 1929; Rawn, 1946; Rittenhouse, 1939; Shelford, 1925.
- Fermentation: Allegeier, 1932, 1934.
- Gas exchange: Mortimer, 1941.
- Greenland lakes: Anderson, 1946; Johansen, 1911, 1922.
- Heating: Zobel, 1953.
- Hydrogen-Ion: Yoshimura, 1931, 1936.
- Michigan, Lake: Hoy, 1872.
- Minerals: Yoshimura, 1931a, 1932.
- Nitrite, Nitrate, Nitrogen: Atkins, 1930; Domogalla, 1926, 1926a; 1925; Orr, 1926; Yoshimura, 1932a, b; Zobel, 1933.
- Onega Lake: Hulsen, 1918.
- Organic content: Birge, 1926, 1927; Peterson, 1925.
- Oxygen: Alsterberg, 1927; Birge, 1907a; Bryson, 1951; Butcher, 1927; Grote, 1934; Jewell, 1927; Juday, 1932; Kusnetzow, 1931; Rossolino, 1928; Scott, 1924; Thienmann, 1928; Waldichuk, 1953b; Wieve, 1939;

- Chemical studies: - continued
 Oxygen: - continued
 Yoshimura, 1930, 1931b.
 Phosphorus content: Juday, 1931, 1928.
 Respiration: Birge, 1907.
 Scottish lochs: Caspari, 1910a.
 Sediments: Beaver, 1942; Black, 1929; Hutchinson, 1954.
 Zurich Lake: Minder, 1922, 1926.
 Classification: Bowers, 1941; David, 1882; Evans, 1938, 1941.
 Climate: See also under individual lakes.
 Air temperature: Abbe, 1900; Bartlett, 1905.
 Barometric pressure: Prelin, 1872; Proudman, 1929; Ross, 1855.
 Classification: Thornthwaite, 1941, 1948; Trewarthe, 1943.
 Energy transfer: Charnock, 1954; Cummings, 1940.
 Erie, Lake: Alexander, 1924, 1929; Atwater, 1826; Chandler, 1945; Core, 1948; Doan, 1942; Hutter, 1952; Kirtland, 1852; Moseley, 1903, 1930, 1899; Ohio State, 1950; Patton, 1939; Remick, 1942; Reynolds, 1898; Sanderson, 1950; Transeau, 1905; Verber, 1954a.
 Evaporation: Cummings, 1940; False, 1929; M McEwen, 1930; Thornthwaite, 1939, 1941, 1948; Trausear, 1905; U.S.G.S., 1952; U.S. Navy El., 1950; Wallis, 1920.
 Fog: Church, 1945.
 General: Bentley, 1923; Comstock, 1873; Finch, 1942; Geiger, 1927; Harem, 1950; Harwitz; Henry, 1899; Kappen, 1900; Musgrave, 1941; Tully, 1935; U.S. Dept. Agric., 1941; U.S. Wea. Bur., 1936, 1938, 1947, 1948, 1950, 1931; Ward, 1929.
 Great Lakes: Abbe, 1898; Day, 1926; Humphreys, 1921; Horton, 1927; Leighly, 1941.
 Influence of lakes: Abbe, 1901; Bartlett, 1905; Gaylord, 1838; Leighly, 1941.
 Michigan, Lake: Church, 1945a; Darlington, 1939; Hill, 1893.
 Precipitation: Abbe, 1898; Day, 1926; Eshleman, 1921; Henry, 1899; Humphreys, 1921; Moseley, 1903, 1930; Stupart, 1896; Transeau, 1905; Wisner, 1898.
 Skeena River lakes: Brett, 1950a.
 Solar radiation: Atkins, 1932; U.S. Wea. Bur., 1944.
 Storms: Galle, 1910; Palmen, 1930, 1932, 1938; Sandstrom, 1903; Schoolcraft, 1842.
 Waterspouts: Reeks, 1948, 1948a, n.d.; Reiche, 1950; Reynolds, 1898.
 Wind: Forel, 1871; Neumann, 1954.
 Color: Agostini, 1895; Brancroft, 1919.
 Como, Lake: See under Temperature.
- Connecticut lakes: Deevey, 1940, 1941, 1946; Hutchinson, 1941, 1944; Riley, 1940, 1943.
 Constance, Lake: See also under Currents; Sediments; Temperature. Lunderardh, 1923; Overbach, 1931.
 Cores: See under General Geology.
 Cowichan, Lake: Carl, 1953.
 Craighton, Lake: See under Glacial Geology.
 Cultus, Lake: Ricker, 1937.
 Currents: See also under individual lakes:
 Constance, Lake: Wasmund, 1927, 1928.
 Density: Bell, 1942; Suda, 1926; Wiebe, 1938a, 1940, 1941.
 Drift bottles and cards: Bellet, 1894; Carruthers, 1925, 1930; Deason, 1932, 1936; Hachey, 1935; Harrington, 1895; Mavor, 1922; Olson, 1949, 1950, 1951; Schmitt, 1913; Tibby, 1939; Townsend, 1913-14.
 Ekman spiral: Sverdrup, 1946; Thorade, 1914.
 English Channel: Carruthers, 1925, 1930, 1935.
 Erie, Lake: Andrews, 1948; Bellet, 1894; Fell, 1910; Green, 1929; Harrington, 1895; Kindle, 1933; McLaughlin, 1911; Ohio State, 1953b; Olson, 1950, 1951, Pincus, 1951, 1953a, 1954; Townsend, 1913-14; Verber, 1953a, 1954; Warne, 1875.
 Frisches Haff: Lundbeck, 1928.
 Funday, Bay of: Mavor, 1922, 1922a.
 General: Collet, 1925; Crowell, 1947; Dunbar, 1946, 1950; Evans, 1944; Fuglister, 1951; Horton, 1927; Leyboldt, 1941, 1941a; Nielsen, 1908; Ostefeld, 1909; Pickard, 1953a; Pritchard, 1951; Sverdrup, 1941; Tully, 1942; U.S.G.S., 1938; Vaughn, 1932.
 Gradient: Jakhelin, 1936; Tully, 1937.
 Grand Manan: MacGregor, 1952.
 Great Bear: Porslid, 1932.
 Great Lakes: Bellet, 1894; Harrington, 1895; Nasmuth, 1914.
 Greenland lakes: Dunbar, 1946; Ryder, 1904.
 Hudson Bay: Hachey, 1935.
 Huron, Lake: Bellet, 1894; Clark, 1892, 1893; Harrington, 1895.
 Leman, Lake: Forel, 1893, 1895; Kretimann, 1931; Mercanton, 1932.
 Littoral drift: Beach Erosion Board, 1938a, Krumbein, 1944a; Putnam, 1944a.
 Long shore: Munk, 1945, 1946, 1949; Putnam, 1949; Shepard, 1950a.
 Mead, Lake: Anderson, 1951.
 Measurement: Watson, 1953.
 Mendota, Lake: Bryson, 1952; Ragotzkie, 1953; Verber, 1953b, c.
 Michigan, Lake: Bellet, 1894; Deason, 1932, 1936; Harrington, 1895.
 Missoula, Lake: Pardee, 1942.

Currents: - continued

- Ness, Loch: Watson, 1904.
 Ontario, Lake: Bellet, 1894; Harrington, 1895; Kindle, 1915a.
 Ramapo Reservoir: Olson, 1949.
 Scicly Isles: Carruthers, 1951.
 Scotian Shelf: Hachey, 1935; McLellan, 1953.
 Straits of Juan de Fuca: Helinveaux, 1952.
 Surf: Shepard, 1949.
 Superior, Lake: Bellet, 1894; Harrington, 1895.
 Tidal: Doe, 1950; Marmar, 1932.
 Transportation: Gilbert, 1914; Menard, 1950; Nevin, 1946.
 Turbidity: Kuenen, 1951a, b, 1952; Kuenen and Migliorini, 1950; Natland, 1952; Pettijohn, 1950; Phleger, 1951; Shepard, 1951.
 Undertow: Brant, 1925; Craig, 1925; Davis, 1925, 1925a; Evans, 1938b; Hite, 1925; Jones, 1925; Qnirk, 1925; Shepard, 1936; Shepard and Lafond, 1939, 1941.
 Velocity: Vaillant, 1954.
 Wind: Surst, 1924; Francis, 1953; Hadaka, 1950; Stommel, 1848; Sverdrup, 1947; Vandorn, 1953; Witting, 1909.
 Windermere, Lake: Mortimer, 1951, 1952, 1954.
 Denmark, lakes of: Bronsted, 1911.
 Density currents: See under Currents.
 Desert lakes: Hutchinson, 1949, 1950.
 Devils Lake: Young, 1924.
 Douglas Lake: Neel, 1948.
 Drift bottles and cards: See under Currents.
 Earn, Loch: See under Seiches.
 Earths rotation: Ekman, 1876, 1905; Ferrel, 1858; Mortimer, 1954.
 Echo sounder: U. S. Army, 1947b.
 El Salvador lakes: Deevey, 1954.
 Energy transfer: See under Climate.
 Erie, Lake: See also under Beaches; Chemical studies; Climate; Currents; Erosion; General geology; Geography; Glacial geology; Hydrography; Inflow and outflow; Light transmission; Sediments; Seiches; Temperature; Water levels.
 Chandler, 1940, 1942, 1942a, 1944, 1945; Clemens, 1950; Crawford, 1953; Dennis, 1928; Doan, 1942; Ewers, 1930; Fish, 1929, 1929a; Gottschall, 1933; Green, 1929; Johnson, W., 1948; Langlois, 1954; Marshall, 1939; Olson, 1950; Stout, 1933.

Erosion:

- Erie, Lake: Beach Erosion Board, 1942, 1945, 1950, 1950a, 1952, 1952a, 1953a, b, c, 1954; Kindle, 1933; Reybold, 1945; Sowers, 1949; U. S. Army, 1947, 1950; Weichel, 1946; Wheeler, 1950; White, 1944, 1945; Wood,

Erosion: - continued

- Erie, Lake: - continued
 1951.
 General: Beach Erosion Board, 1938; U. S. Army, 1947c, 1953.
 Great Lakes: Adams, 1949; Brater, 1950; Kingery, 1944; Kingman, 1944; U. S. Army, n.d., 1952, 1952a, b.
 Michigan, Lake: Maxwell, 1919.
 Mugu Lagoon: Inman, 1950.
 Ontario, Lake: Langford, 1949; U.S. Army, 1947.
 Studies: Beach Erosion Board, n.d., 1933, 1933a, 1937, 1937a, 1938; Border, 1933, 1934; Brown, E., 1938, 1939-40, 1940; Dent, 1931; Fellenius, 1921; Hansen, 1947; Kelton, 1942; Knox, 1946; Mason, 1941, 1942, 1947a, b, 1948; O'Brien, 1936; Patton, 1924; Schmitt, 1934.
 Estuaries: O'Brien, 1935; Pritchard, 1954a, Stommel, 1950; Woods Hole, 1950.
 Evaporation: See under Climate.
 Explosions: See under General geology.
 Florida lakes: Sellards, 1914.
 Foam lines: Ewing, 1950; Langmuir, 1938; Stommel, 1949, 1951; Woodcock, 1941; 1944, 1950.
 Fog: See under Climate.
 French lakes: Delebecque, 1898; Delesse, 1871.
 Frisches Haff: See under Currents.
 Fundy, Bay of: See also under Currents, Light Transmission.
 General geology: See also under individual lakes.
 Alaskan lakes: Black, 1949.
 Athabaska, Lake: Alcock, 1920.
 Canadian lakes: Cameron, 1922; Ont. Dept. Mines., 1908-09.
 Cores: Bramlette, n.d.; Emery, 1941; Goode, 1936; Hvorslev, 1940, 1946; Kjellman, 1950; Petterson, 1940, 1941; Pheleger, 1946; Piggot, 1938, 1938a, 1941, 1936; Varney, 1936-37.
 Eocene lakes: Bradley, 1948.
 Erie, Lake: Atwater, 1826; Beach Erosion Board, 1942, 1945, 1950, 1950a, 1952, 1952a, 1953, 1953a, b, c,; Bigsby, 1828; Carman, 1927, 1946; Chadwick, 1925; Crawford, 1953; Gilbert, 1871, 1873; Moseley, 1905; Newberry, 1873, 1873a, 1874, 1874a, 1875, 1881, 1882, 1883; Pegrum, 1929; Pincus, 1951, 1953, 1953a, 1954; Shaffer, 1944, 1954; Smith, 1948, 1949, 1952; Stout, 1943, 1944, 1946, 1947; Ver Steeg, 1936.
 Explosions: Morelli, 1949.
 General: Collet, 1925; Dana, 1879; DeGreer, 1910; Delefield, 1822; Fenneman, 1931, 1931a; Gilbert, 1883-84; Holzman, 1952; Johnson, D., 1919, 1938; Lobeck, 1932, 1939; Longwell, 1932; Lyell, 1872; Koulegen,

General geology: - continued

General: - continued

1949; Kuenen, 1950; Renkame, 1950; Rich, 1951; Sharp, 1929; Shepard, 1948; Shepard and Emery, 1941; Sloss, 1949; Spangler, 1950, 1950a, Stauffer, 1909; Sturgeon, 1949; Wilson; 1950.

Georges Bank: Shepard and Trefethen, 1934.

Great Lakes: Brock, n.d.; Deason, 1933; Newberry, 1862, 1869, 1870, 1871; Sherfeldt, 1867.

Great Salt Lake: Eardley, 1952.

Great Slave Lake: Blanchet, 1926.

Huron, Lake: Bell, 1886, 1895; Bigsby, 1824; Clark, 1893; Hall, 1848.

Islands: Cook, 1925; Cottingham, 1919; Kraus, 1905; Langlois, 1948, 1951; Newberry, 1874a; Mohr, 1931, 1931a; Ver Steeg, 1935; Whittlesey, 1878.

Mackinac Strait: Landes, 1945.

Michigan, Lake: Ball, 1897; Bretz, 1844; Hall, 1848.

Ontario, Lake: Bigsby, 1829; Kindle, 1915.

Passamquoddy Bay: Bailey, 1917.

Ripple marks: Bucher, 1919; Demarest, 1947; Evans, 1941, 1942a, 1943, 1949.

St. Croix River: Bailey, 1917.

Submarine water: Sherfeldt, 1867; Shepard, 1946.

Superior, Lake: Ball, 1899; Bigsby, 1825; Collie, 1901; Hawey, n.d.; Hise, 1893.

Terraces: Ont. Dept. Mines, 1900, 1908-09.

Thaw lakes: Hopkins, 1949.

Varves: Parejas, 1929.

Wisconsin lakes: Fenneman, 1902, 1910.

Geneva, Lake: See under Temperature.

Beche, 1819.

Geography: See also under individual lakes.

African lakes: Beadle, 1932.

Black Sea: Andrusoff, n.d.

Caves: Cottingham; 1919; Kraus, 1905; Langlois, 1951; Ryall, 1913; Verber, 1953d; White, 1926.

Erie, Lake: Bigsby, 1828; Goodrich, 1916; Graustein, 1950-51; Hatcher, 1945; Ryall, 1913; Ver Steeg, 1935; Wilson, 1908; Wright, 1953.

General: Finch, 1942; Harding, 1942; Lane, 1948; Maury, 1856; Murray, 1910; Schermerhorn, 1887; U.S. Dept. Int., 1953.

Huron, Lake: Ball, 1861; Bigsby, 1824; Jefferson, 1903, 1903a.

Islands; Langlois, 1948, 1954; Nichols, 1880; Ryall, 1913.

Ontario, Lake: Bigsby, 1829; Cruikshank, 1895.

Polar Regions: Nordenskiöld, 1928; Rawson, 1953a.

Superior, Lake: Adams, 1908; Agassy, 1850; Ball,

Geography: - continued

Superior, Lake: - continued

1861; Bigsby, 1825; Harrington, 1897; Rivot, 1855, 1856, 1856a; Whittlesey, 1875; Wilson, 1908.

George, Lake: Needham, 1922.

Glacial geology: See also under General geology;

Individual lakes.

Alaskan lakes: Lawrence, 1950.

Athabaska, Lake: Alcock, 1920.

Craighton, Lake: Leverett, 1914.

Erie, Lake: Carney, 1909, 1909a, 1910, 1911, 1911a, 1913, 1916, 1916a, 1954; Classen, 1898; Claypole, 1881, 1887, 1892; Desor, 1850; Fairchild, 1934; Foshey, 1881; Gilbert, 1871a; Hubbard, 1908, 1908a, 1937, 1938, 1938a, 1939, 1942; Leverett, 1892, 1898, 1902, 1929, 1934; Spencer, 1881a, 1882, 1894; Stroop, 1870; Taylor, 1899, 1911; Upham, 1896, 1896a; Whittlesey, 1838, 1850; Winchel, 1873, 1874; Wright, 1884, 1890, 1898.

General: Flint, 1947; Hough, 1953; Phleger, 1949; Ramsey, 1873; Whittlesey, 1867.

Great Lakes: Andrews, 1870, Barlow, 1897; Benney, 1890-91; Claypole, 1877-78; 1881a, 1898; Deason, 1933; Fairchild, 1905; Farnsworth, 1892; Flint, 1947; Leverett, 1915; Shepard, 1937a; Herbertson, 1896; Lapham, 1847; Spenser, 1881, 1888, 1888a, b, 1890b, 1891 1891a, 1894, 1895, 1896, 1898; Tarr, 1899, 1895a, 1896, 1897; Upham, 1891; Winchel, 1897; Wright, 1884, 1892.

Huron, Lake: Bretz, 1951; Leverett, 1934, 1939; Spencer, 1891; Stanley, 1936, 1937, 1938; Stroop, 1870; Taylor, 1894, 1895; Upham, 1893.

Kelleys Island: Carney, 1910; Cook, 1925.

Manitoba, Lake: Antevs, 1931.

Michigan Lake: Andrews, 1867; Ball, 1897; Bretz, 1951a; Goldthwait, 1906, 1908; Hough, 1952; 1953, 1953a; Taylor, 1894, 1894a; Winchel, 1871.

Mono Lake: Dunn, 1953; Ireland, 1946.

Newport Beach: Emery, 1950.

New York Finger Lakes: Apfel, 1946.

Ontario, Lake: Claypole, 1881; Gilbert, n.d.; Spencer, 1882, 1882a, b, 1890, 1890b, 1907; Taylor, 1895a.

Ontario Prov.: Coleman, 1901, 1904, 1922; Goldthwait, 1910; Johnson, W., n.d., 1916, 1916a.

Simcoe, Lake: Deane, 1950.

Superior, Lake: Ball, 1899; Desor, 1852; Taylor, 1894b, 1895a, 1897a; Winchel, 1871.

Glacial geology: - continued

- Swiss Lakes: Ramsey, 1863, 1873.
 Tilting: Cutenberg, 1933; Fuller, 1904; Gilbert, 1896-97, 1897, 1898; Moore, 1948.
 Varves: Wilson, 1943.

Glossiery: Huet, 1949.

Gradient currents: See under Currents.

Great Bear Lake: See also under Currents; Seiches.
 Miller, 1947.

Great Lakes: See also under Currents; Climate; Breakwater; Erosion; General geology; Geography; Glacial geology; Hydrography; Inflow and outflow; Morphometry; Seiches; Temperature; Tides.
 Dewey, 1846.

Great Salt Lake: See under General geology.

Great Slave Lake: See also under General geology;
 Temperature.
 Rawson, 1947, 1950, 1953.

Groins: See Breakwater.

Guatamala lakes: Deevey, 1954.

Huron, Lake: See also under Currents; General geology;
 Geography; Glacial geology; Seiches; Temperature; Tides.

Hydrography:

- Colorado, River: Eider, 1942.
 Erie, Lake: Crawford, 1953; Freeman, 1926;
 Horton, 1927; Ohio State, 1953a; Parmenter, 1929.
 General: Jacobsen, 1913; Juday, 1914; Meinzer, 1942; McLellan, 1953; Pettis, 1939;
 Symposium, 1940; Woodward, 1941.
 Great Lakes: Freeman, 1926; Horton, 1927.
 Wisconsin lakes: Birge, 1914a.

Hydrology: See under Hydrography.

Ice:

- Classification: Transche, 1928; Zumberge, 1953.
 Erosion: Fairchild, 1905.
 General: Barnes, 1929; Fields, 1950; Jenness, n.d.,
 Schaefer, 1950; Seligman, 1949; Totten, 1860; Tyrrell, 1909, 1910; Wilson, 1954.
 Hasting Locks: Hill, 1935.
 Michigan, Lake: Cary, 1896; Case, 1906.
 Movement: Atwood, 1891; Barnes, 1914; Brown, 1932, 1946; Rose, 1946; Sawyer, 1911;
 Scott, 1926.
 Permafrost: Black, 1950.
 Petrofabrics: Bader, 1951.
 Ramparts: Buckley, 1900; Hise, 1900; Hobbs, 1911.
 Shoreline: Zumberge, 1953.

Imuruk Lake: Hopkins, 1949.

Indiana lakes: Scott, 1916; 1931.

Inflow and outflow:

- Erie, Lake: Ohio State, 1939, 1949, 1950a.
 General: U.S. Dept. Int., 1952; Wisner, 1898;
 Youngquist, 1946, 1949.

Inflow and outflow: - continued

- Great Lakes: Abbe, 1898a, Barrows, 1907;
 Freeman, 1926; Grover, 1943; Gumber, 1948;
 Norton, 1927; Langlois, 1954.

Instruments: See under Light transmission.

Internal waves: Bryson, 1954; Defam, 1950; Ekman, 1904; Ewing, 1950; Fjelstad, 1933; Haurwitz, 1950;
 Seiwel, 1941.

Jetties: See under Breakwater.

Karluk Lake: Juday, 1932.

Kitsumgallum Lake: Brett, 1946.

Kitwanga Lake: McConnell, 1946.

Ladoga, Lake: See under Seiches.

Lakelse Lake: See under Temperature.

Brett, 1950; Brett and Pritchard, 1946a.

Lauzon, Lake: See under Sediments.

Leman, Lac: See also under Currents; Seiches.

- Forel, 1872, 1886c, 1895, 1901c; Forel and
 Plantamour, 1881.

Light transmission:

Apparatus: Ullott, 1934; Williams, 1953.

Erie, Lake: Chandler, 1942; Ohio State, 1953a.

Fundy, Bay of: Klugh, 1927.

Instruments: Aberdorfer, 1929; Am. Soc. Limn.
 Ocean., 1949; Klugh, 1925; Kunz, 1930,
 1930a.

Measurement: Atkins, 1930, 1938; Clarke, 1933;
 Forel, 1887; Hess, 1929; Klugh, 1927;
 Knudsen, 1922; Naunan, 1927; Petterson,
 1934; Pietenpol, 1918; Poole, 1925, 1926,
 1928, 1929; Shelford, 1928, 1929a, b, 1930,
 1926, 1922.

Solar radiation: Atkins, 1932; Birge, 1929a, 1931,
 1932; Chandler, 1942.

Windermere: Pearsall, 1934.

Limnology:

African lakes: Damas, 1954.

Apparatus: Am. Soc. Limn. Ocean., 1949; Birge,
 1922; Brown, 1940; Carpenter, 1954; Emery,
 1948; Hess, 1941; Irman, 1941; Kleerekoper,
 1952; Kellen, 1954; Lafond, 1948, 1950;
 Langford, 1953; Montgomery, 1947; Renn,
 1942; Thompson, 1938; U.S. Water Works
 Exp. Sta., 1939; Welch, 1943, 1944, 1948.

Arctic lakes: Rawson, 1953a.

Argentina lakes: Oliver, 1954.

Atwood, Lake: Wright, 1952.

Awe, Lake: Jenkins, 1930.

Bear Lake: Foskett, 1947a.

Bog, Lake: Welch, 1935a.

Caspian Sea: Knipowitsch, 1922.

Central American lakes: Juday, 1915.

Chautaugua Lake: Tressler, 1940.

Connecticut lakes: Deevey, 1940, 1941a, 1946;
 Hutchinson, 1941, 1944; Riley, 1940, 1943.

Limnology: - continued

- Constance, Lake: Lundegardh, 1923; Overbach, 1931; Wagler, 1927.
- Cowichan, Lake: Carl, 1953.
- Cultus, Lake: Ricker, 1937.
- Denmark, Lakes of: Bronsted, 1911.
- Desert Lakes: Hutchinson, 1949, 1950.
- Devils Lake: Young, 1924.
- Douglas Lake: Neel, 1948; Welch, 1932, 1935.
- El Salvador, Lakes: Deevey, 1954.
- Erie, Lake: Chandler, 1940, 1942, 1942a, 1944, 1945; Clemens, 1950; Crawford, 1953; De Dennis, 1928; Doan, 1942; Ewers, 1930; Fish, 1929; 1929a; Green, 1929; Gottschall, 1933; Johnson, W., 1948; Langlois, 1954; Marshall, 1939; Olson, 1950; U.S. Pub. Health, 1951; 1951a; Verduim, 1951; Vorce, 1881; Wright, 1929, 1932, 1933.
- Florida lakes: Sellards, 1914.
- French lakes: Delebecque, 1898; Delesse, 1871.
- General: Brehm, 1930, Brown, 1943; Carpenter, 1928; Chapman, 1931; Chappris, 1927; Cleaveland, 1900; Coker, 1947; Collet, 1925; Delesse, 1871; Dewey, 1954a; Dussart, 1947, 1948; Forel, 1895, 1901c; 1886a, 1908, 1875b; Hentschel, 1923, 1928; Higgins, 1928; Huntsman, 1918; Lakticher, 1948; Lampert, 1925; Lenz, 1928, 1928a, b; Kofoid, 1898; Margalef, 1954; Maucha, 1932; McCombie, 1953; Metcalf, 1942; Murray & Pullar, 1910; Nauman, 1925, 1926a, 1926a, 1929, 1931, 1932; Needham, 1930; Olson, 1953a; Ostwald, 1902; Pavillard, 1940; Pearse, 1926; Pickard, 1953; 1953; Rawson, 1936, 1939, 1942, 1951, 1953a, 1952, 1954; Schaperclaus, 1933; Schermerhorn, 1887; Sierp, 1926; Strom, 1927-28, 1929; Thienemann, 1925, 1926; Trener, 1946; Ward, 1918; Welch, 1935a, 1948.
- Geneva, Lake: Beche, 1819.
- George, Lake: Needham, 1922.
- Great Bear Lake: Miller, 1947.
- Great Lakes: Dewey, 1846; Ward, 1895a, 1899.
- Great Slave Lake: Rawson, 1947, 1950, 1953a.
- Guatemala Lakes: Deevey, 1954.
- Huron Lake: Fry, 1944.
- Indiana lakes: Scott, 1916, 1931.
- Imuruk Lake: Hopkins, 1949.
- Karluk Lake: Juday, 1932.
- Kitsumgallum Lake: Brett, 1946.
- Kitwanga Lake: McConnel, 1946.
- Lakelse Lake: Brett, 1950; Brett and Pritchard, 1946a.
- Leman, Lac: Forel, 1872, 1886c, 1895, 1901c;

Limnology: - continued

- Leman, Lac: - continued
- Foreland Plantamour, 1881.
- Macinkukee, Lake: Evermann, 1920.
- Mead, Lake: Anderson, 1951.
- Michigan, Lake: Emery, 1951; Ward, 1895.
- Michigan lakes: Scott, 1921; Welch, 1932.
- Minnesota lakes: Oosting, 1953; Zumberge, 1952.
- Mize, Lake: Harkness, 1941.
- Morice, Lake: Brett and Pritchard, 1946.
- Morrison, Lake: McMahon, 1948.
- Mountain lakes: Pesta, 1929; Rawson, 1942.
- New York Finger Lakes: Brige, 1914a, 1921.
- Nipigon Lake: Clemens, 1923, 1924.
- Norweigen lakes: Strom, 1930, 1934, 1938, 1944.
- Nueltin Lake: Harper, 1948.
- Okaboji, Lake: Birge, 1920; Stromsten, 1927.
- Okanagen, Lake: Clemens, 1939.
- Ontario, Lake: Goodwind, 1892.
- Pikes Peak Region: Shatz, 1907.
- Relationships: Wedderburn, 1911.
- Rocky Mt. lakes: Bradley, 1948; Juday, 1907; Ward, 1904.
- St. Claire Lake: Reighard, 1894.
- San Francisco Reservoir: Medbery, 1942.
- Saskatchewan lakes: Rawson, 1936, 1942, 1944.
- Searsville Lake: Scott, 1927.
- Seismic: Willmore, 1946-47.
- Shuswaps, Lake: Clemens, 1938.
- South Dakota Lake: Over, 1927.
- Superior, Lake: Eddy, 1943; Forbes, 1887.
- Sustut River lakes: Foskett, 1947.
- Sweet Water Lake: Johnson, M., 1949.
- Telsin Lake: Clemens, 1945.
- Texan lakes: Harris, 1940.
- Thun, Lake: Beche, 1820.
- Tiberiade, Lake: Barrois, 1893.
- Tibetan Lake: Hutchinson, 1937.
- Tropical lakes: Ruttner, 1931, 1931a; Thienemann, 1930-31.
- Venezuelan lakes: Gessner, 1954.
- Wingra: Tressler, 1931.
- Wisconsin lakes: Flanigan, 1942.
- Zug, Lake: Beche, 1820.
- Littoral drift: See under Currents.
- Longshore currents: See under Currents.
- Manitoba, Lake: See under Glacial geology.
- Mackinac St.: See under General geology.
- Maxinkukee, Lake: Evermann, 1920.
- Mead, Lake: See under Currents, Temperature. Anderson, 1951.
- Measurement: See also under Seiches; Light transmission.
- Mechanics: Lamb, 1932; Prandtl, 1934.
- Mediterranean Sea: See also under Tides; Seiches.
- Mendota, Lake: See also under Currents; Sediments;

- Mendota, Lake: - continued
Temperature.
- Michigan, Lake: See also under Climate; Chemical studies; Currents; Erosion; General geology; Glacial geology, Ice; Sediments; Seiches; Temperature; Tides; Water levels; Waves.
Emery, 1951.
- Michigan lakes: Scott, 1921.
- Minnesota Lake: Oosting, 1953.
- Missoula, Lake: See under Currents.
- Mize, Lake: Harkness, 1941.
- Mono, Lake: See also under Glacial geology; Sediments.
- Montage Lake: See under Temperature.
- Morice, Lake: Brett and Pritchard, 1946.
- Morphometry:
General: Juday, 1914; Olson, 1953; Rawson, 1952, 1954.
Great Lakes: U.S.L.S., 1938, 1949.
Wisconsin lakes: Birge, 1914.
- Morrison, Lake: McMahan, 1948.
- Mountain Lake: Pesta, 1929; Rawson, 1942.
- Ness, Loch: See also under Currents; Temperature.
- New York Finger Lakes: See under Glacial geology.
Birge, 1914a, 1921.
- Nipigon Lake: Clemens, 1923, 1924.
- North Sea: See under Seiches.
- Norwegian lakes: Strom, 1930, 1934, 1938, 1944.
- Nueltin Lake: Harper, 1948.
- Oceanography: Bigelow, 1931; Carpenter, 1875; Coher, 1947; Colman, 1950; Defant, 1929, 1929a, 1932a, 1934, 1935, 1940; Denison, 1897a; Dunbar, 1951; Durst, 1949; Ekman, 1876, 1905, 1938; Emery, 1949; Ewing, 1949, 1946, 1946a; Ewing and Hersey, 1949; Helland-Hansen, 1912; Hough, 1950; Iselin, 1932; Krummel, 1911; Kuenen, 1950; Maury, 1856; Murray, 1912; Nutt, 1953; Proudman, 1953; Stetson, 1941, 1947; Sverdrup, 1946; Waldichuk, 1952, 1953, 1953a, b.
- Okaboji, Lake: Birge, 1920.
- Okanagen, Lake: Clemens, 1939.
- Onega Lake: See under Chemical studies.
- Ontario, Lake: See also under Currents; Beaches; Erosion;
General geology: Geography; Glacial geology; Temperature; Tides; Sediments; Seiches; Water levels; Waves.
Goodwind, 1892.
- Oscillations: See under Water levels.
- Passmquoddy Bay: See under General geology; Temperature.
- Pavin, Lac: See under Seiches.
- Permafrost: See under Ice.
- Petrofabrics: See under Ice.
- Photography: Schaniel, 1953; Shepard, 1950c.
- Pikes Peak Region: Shantz, 1907.
- Precipitation: See under Climate.
- Ramparts: See under Ice.
- Rampo Reservoir: See under Currents.
- Regen fleche: See Calm spots.
- Reprint collections: Pritchard and others, 1953; Progress in Biol. Ingq.
- Rocky Mt. Lakes: Bradley, 1948; Juday, 1907.
- St. Clarie Lake: Reighard, 1894.
- St. Croix River: See under General geology.
- San Francisco Reservoir: Medbery, 1942.
- Saskatchewan lakes: Rawson, 1936, 1942, 1944.
- Searsville Lake: Scott, 1927.
- Sediments:
Analysis: Trask, 1930, 1942, 1942a; Trefethen, 1950; Tyler, 1931; U. S. Water Works Exp. Sta., 1940; Watts, 1953, 1953a.
Anarctic: Hough, 1950.
Apparatus: Wilson, 1941.
Bibliography: Anderson, 1936-37.
Constance, Lake: Wagler, 1927.
Deposition: Non Engelin, 1931; Twenhofel, 1942.
Erie, Lake: Beach Erosion Board, 1945, 1953, 1953a; Beaver, 1942; Boesel, 1948; Brown, C. J., 1938; Cuthbert, 1944; Pettijohn, 1933, 1932; Pettijohn and Ridge, 1933; Pincus, 1951, 1953, 1953a, 1954; Shelford, 1942; White, 1942.
Gaspe Penn: Honeyman, 1939.
General: Birge, 1936; Chapman, 1922; Dapples, 1942; Emery, 1949; Grim, n.d.; Hough, 1939; Iman, 1953; Keulegan, 1948; Krumbein, 1938; Lacabanne, 1950; Leith, 1950; Neverson, 1934; Nueman, 1938; Pettijohn, 1931, 1949; Revelle, 1950; Schott, 1939; Schwarzacher, 1951; Shepard, C. H., 1949; Shepard, 1937b; Stetson, 1932, 1947a; Symposium, 1938; Tester, 1940; Trask, 1932; Urry, 1942.
Lauzon, Lake: Kleerekoper and Grenier, 1952.
Mendota, Lake: Birge, 1928.
Michigan, Lake: Evans, 1944a; Fisher, 1953; Hough, 1922; Pettijohn, 1931; Powers, 1953.
Mono, Lake: Dunn, 1953.
Movement: Watts, 1953b; Zenkovich, 1946.
Ontario, Lake: Kindle, 1925.
Polar: Stetson, 1937, 1947b.
Sand: Nordberg, 1949; Jones, 1946; Otto, 1939.
Scottish lakes: Caspari, 1910a.
Size: Bush, 1951; Emery, 1950; Emery and Gould, 1948; Gilbert, 1947; Krumbein, 1934, 1935, 1941, 1953; Luman, 1949; Menard, 1949; Pettijohn, 1933; Pye, 1943; Rittenhouse, 1943; Russel, 1935; Sherman, 1951.
Transportation: Bell, 1942; Crowell, 1947; Eakin, 1936; Einstein, 1948, 1950; Evans, 1938b, 1939; 1941a; Gates, 1946; Grant, 1940, 1943;

Sediments: - continued

Transportation: - continued

Haferkorn, 1929; Hewitt, 1949; Johnson, J., 1943; Kalinske, 1942; Menard, 1950, 1950a; Rittenhouse, 1945; Rosalsky, 1950; Saville, 1949, 1950; Shepard, 1951.

Seiches:

Alpine lakes: Untersteiner, 1951.
 Aral Sea: Woeikoff, 1901.
 Barometric pressure: Forel, 1897a; Hayford, 1922; Henry, 1899a.
 Dicrots: Forel, 1880b; 1886c, 1895.
 Earn, Loch: Chrystal, 1908-09.
 Erie, Lake: Abbe, 1900a, b; Blunt, 1896; Chandler, 1940, 1942a, 1944, 1945; Coolery, 1896; Endros, 1908; Farwell, 1925; Forel, 1895; Green, 1929; Harris, 1940; Hayford, 1922; Henry, 1899b, c, 1900, 1902; Holbfass, 1914; Jackson, 1853; Keulegan, 1951; 1953; Kreckler, 1928, 1931; McLaughlin, 1911; Musham, 1943; Monthly; Ohio State, 1953a; Perkins, 1893; San Dist. Chicago, 1925; U.S.L.S., 1952; Verber, 1952, 1954, 1953d, Warren, 1875; Whittlesey, 1875a.
 General: Belck, 1894; Demoll, 1922; Denison, 1897a; Endros, 1908; Forel, 1875, 1876a, 1878a, c, 1879, 1885, 1893a, c, 1897, 1900a, 1900, 1904, 1909; Harris, 1940; Hellstrom, 1925; Henry, 1899b, 1900; Horton, 1927; Jackson, 1833; Lamb, 1895, 1932; Murray, 1911; McKnown, 1951, 1953; Proudman, 1925, 1929; San Dist. Chicago, 1925.
 Great Bear: Porsild, 1932.
 Great Lakes: Musharn, 1943; U.S.L.S., 1952; Whiting, 1831; Whittlesey, 1851, 1857-58, 1859, 1860; Woeikoff, 1881.
 Huron, Lake: Young, 1929.
 Ladoga, Lake: Woeikoff, 1881.
 Lemán, Lac: Yelloly, 1854.
 Measurement: Defant, 1918; Endros, 1908; Forel, 1876b, Legendre, 1913.
 Mediterranean: Curennot, 1933.
 Michigan, Lake: Hayford, 1922; Jackson, 1853.
 North Sea: Corkan, 1949.
 Ontario, Lake: Denison, 1897, 1897b, 1898, 1897-98, 1898a, 1899; Edmonds, 1848; Harris, 1940; Hayford, 1922; Jackson, 1853; Sharpe, 1831; Tally, 1896.
 Pavin, Lac: Anon., 1903.
 Pressure: Wheeler, 1898; Winthrop, 1793.
 Superior, Lake: Whittlesey, 1873.
 Swiss lakes: Benteli, 1900; Forel, 1873, 1875, 1875a, 1876b, 1877, 1877b, 1886c, 1893b, 1895, 1901a, 1901c; Forel and Plantamour,

Seiches: - continued

Swiss lakes: - continued
 1881.

Table Bay Harbor: Wilson, 1953.

Theories: Boys, 1892; Chrystal, 1905; Defant, 1932; Doodson, 1920; Endros, 1908; Forel, 1876, 1878b, 1881; Foreland Sarasin, 1900; Halbfass, 1914; Lagrange, 1781; Stokes, 1847, 1880; Verber, 1952; Wedderburn, 1912.

Seismic: Willmore, 1946-47.

Shuswaps Lake: Clemens, 1938.

Simcoe, Lake: See under Glacial geology.

Solar radiation: See under Climate.

South Dakota Lake: Over, 1927.

Straits of Gibraltar: See under Temperature.

Stratification: See under Temperature.

Storms: See under Climate.

Superior, Lake: See also under Currents; General geology; Glacial geology; Geography; Seiches; Temperature; Tides.

Surges: See under Water levels.

Surveying: Davis, 1940; Rude, 1938; Saville and Caldwell, 1953; Shepard, 1935, 1937a.

Sustut River lakes: Foskett, 1947.

Sweet Water Lake: Johnson, M., 1949.

Telsin Lake: Clemens, 1945.

Taches d'huile: See Calm spots.

Temperature: See also under individual lakes.

B-T's: Schaniel, 1953; Spilhaus, 1937.

Baikal, Lake: Woeikoff, 1900.

Black Sea: Anon., 1899.

Caspian Sea: Anon., 1899.

Classification: Whipple, 1898.

Como, Lake: Bettoni, 1895.

Constance, Lake: Auerback, 1931; Forel, 1893d.

Deep lakes: Wright, 1931; Yoshimura, 1936.

Erie, Lake: Britt, 1951; Chandler, 1940, 1942a, 1944; Conger, 1899; Daiber, 1950; Dewey, 1926; Green, 1929; Hachy, 1952; Horton, 1927; Langlois, 1954; Parmenter, 1929; U. S. Bur. Eng., 1849; Verber, 1954.

Finnish lakes: Simojoki, 1954.

General: Abbe, 1898a, 1901; Agostini, 1895; Anderson, 1946; Alsterberg, 1930; Berchern, 1893; Coker, 1933; Collet, 1954; Collins, 1923-24; Dexter, 1942; Dussart, 1947, 1948, 1954; Ege, 1914; Embody, 1921; Fitzgerald, 1895; Hachey, 1937; 1943, 1948; Hampel, 1932; Hathaway, 1927, 1928; Kindle, 1927; Lauzier, 1950; Pickard, 1933; 1953; Platt, 1950; Pritchard, 1952, 1953, 1954, 1954a; Pritchard and Kent, 1953; Strom, 1945, 1944; Robson, 1954; Waldichuk, 1953; Waley, 1952; Whipple, 1895, 1927; Woeikoff, 1897, 1903; Woodcock, 1947.

Temperature: - continued

- Geneva, Lake: Beche, 1819; Woeikoff, 1892.
 Great Lakes: Millar, 1952.
 Great Slave: Rawson, 1947, 1950, 1953.
 Heat Budgets: Brige, 1915, 1916.
 Huron, Lake: Conger, 1899; Daiber, 1950;
 Drummond, 1889a; Freeman, 1926; Horton,
 1927; Hachey, 1952; Odenbach, 1905.
 Lakelse Lake: Brett, 1950.
 Mead, Lake: Anderson, 1951.
 Mendota, Lake: Bryson, 1951, 1952; Verber,
 1953b, c.
 Michigan, Lake: Church, 1942, 1945a, 1946;
 Conger, 1899; Freeman, 1926; Hachey, 1952;
 Horton, 1927.
 Montage Lake: Belloc, 1894.
 Ness, Loch: Watson, 1904.
 Ontario, Lake: Conger, 1899; Daiber, 1950; Dewey,
 1839; Drummond, 1889; Freeman, 1926;
 Hachey, 1952; Horton, 1927; Manslan, 1838.
 Passamquoddy Bay: Copeland, 1912.
 Scottish lochs: Wedderburn, 1910.
 Straits of Gibraltar: Jacobsen, 1933.
 Stratification: Atkins, 1925; Belloc, 1895; Birge,
 1904; Deevey, 1946; Hutchinson, 1950;
 Margules, 1906; McEwen, 1941; Mortimer,
 1951, 1952, 1953; Smith, 1940.
 Superior, Lake: Conger, 1899; Daiber, 1950;
 Freeman, 1926; Hachey, 1952; Horton,
 1927; Odenbach, 1905.
 Swiss lakes: Beche, 1820a; Forel, 1880a, c, 1886,
 1886b, 1892, 1901, 1901b; Gorciex, 1929.
 Thermocline: Steinbock, 1934, 1938.
 Thun, Lake: Beche, 1820.
 Tiberiade, Lake: Barrois, 1893.
 Variations: Fraser, 1914-15; Pickard, 1953.
 Vertical: Anon., 1899; Newcombe, 1949.
 Windermere, Lake: Jenkin, 1942; Mortimer, 1951,
 1952.
 Zug, Lake: Beche, 1820.
- Terraces: See under Glacial geology.
 Texan lakes: Harris, 1940.
 Thaw lakes: Hopkins, 1949.
 Thermocline: See under Temperature.
 Thun, Lake: See under Temperature.
 Beche, 1820.
 Tiberiade, Lake: See under Temperature.
 Barrois, 1893.
 Tibetin Lake: Hutchinson, 1937.
 Tidal currents: See under Currents.
 Tides:
- General: Harris, 1907; Marmer, 1932; Murray,
 1911; Poincare, 1932; Proudman, 1925;
 Sverdrup, 1926; Thorade, 1928.
 Great Lakes: Graham, 1861; Harris, 1904; Ruggles,

Tides: - continued

- Great Lakes: - continued
 1843.
 Huron, Lake: Young, 1929.
 Mediteranean Sea: Sterneck, 1915.
 Michigan, Lake: Comstock, 1872; Graham, 1859-
 61; 1861.
 New York Harbor: Bache, 1859.
 Ontario, Lake: Sharpe, 1831.
 Superior, Lake: Schoolcraft, 1831.
- Tilting: See under Glacial geology.
 Tropical lakes: Ruttner, 1931, 1931a.
 Transparency: Agostini, 1895; Forel, 1877a; Juday, 1933.
 Turbidity:
- Erie, Lake: Andrews, 1948; Chandler, 1940, 1942,
 1942a, 1944, 1945; Doan, 1941, 1942;
 Langlois, 1941, 1954; Ohio State, 1953a,
 Van Oosten, 1945; Verduin, 1952; Weeks,
 1945.
- Turbidity currents: See under Currents.
 Undertow: See under Currents.
 Varves: See also under General geology; Glacial geology.
 Venezuelan lakes: Gessner, 1954.
- Water levels:
- African lakes: Allen, 1907.
 Control: Boardman, 1944.
 Erie, Lake: Anon, 1954; Chandler, 1940, 1942a,
 1944; Clinton, 1827; Cross, 1946; Doan,
 1945; Gilbert, 1888; Green, 1929; Howe,
 1891; Mather, 1838; Moseley, 1898, 1899,
 1903, 1905, 1905a, 1930, 1939; Ohio State,
 1953a.
 General: Haurwitz, 1951; Kaser, 1952; Stupart,
 1896.
 Great Lakes: Boulton, 1893; Constock, 1873;
 Dawson, 1875; Dearborn, 1829; Harding,
 1949; Henry, 1905; Horton, 1927; Ladlan,
 1853; Maloney, 1896, 1896a, b; O'Hanly,
 1896; Ohio State, 1953; 1953a; Pierce,
 1953; Price, 1951; U S.L.S., 1952.
 Michigan, Lake: McNamee, 1930.
 Ontario, Lake: Dewey, 1859.
 Oscillations: Tomson, 1879.
 Sudden fluctuations: Gilbert, 1888; Whittlesey,
 1860, 1873, 1874.
 Surges: Vanoni, 1951.
- Water pressure: Hoy, 1872.
 Waterspouts: See under Climate.
 Waves: See also Beach formation.
 Cutting: Gordon, 1902; Harza, 1940.
 General: Corthell, 1914; Deason, 1949; Folsom,
 1949; Frazier, 1938; Calwell, 1948, 1949;
 Grant, 1946; Haurwitz, 1949; Issacs, 1949;
 Johnson, 1948; Johnson, J., n.d., 1938, 1946,
 1949b; Klebba, 1949; Mason, 1949; Morrison,

Waves: - continued

General: - continued

1953; McKnown, 1951; Montgomery, 1933; Munk, 1944, 1947, 1946; O'Brien and Johnson, 1946, 1947; O'Brien, 1947; Putnam, 1944; Putz, 1953; Raitt, 1949; Raleigh, 1876; Roger, 1948; Rossby, 1947; Saville, 1952, 1953; Seiwel, 1949; Shepard, 1946; Shepard and Grant, 1947; Shepard and Inman, 1950; Wiegand, 1949; Wilhoyt, 1940.

Long Period: Carr, 1952; McKnown, 1953; Stump, 1946; 1946a.

Michigan, Lake: Saville, 1953; U.S.E.D., 1905.

Motion: Arthur, 1945; Bagnold, 1946; Evans, 1950, 1944; Lauer, 1948; Kapien, 1953; Petterson, 1933.

Ontario, Lake: Saville, 1953a.

Oscillatory: Beach Erosion Board, 1941; O'Brien, 1942; U.S. Army, n.d.

Waves - continued

Sand movement: Bagnold, 1947; Beach Erosion Board, 1936; Einstein, 1948; Grant; 1943; Shepard and Inman, 1951.

Studies: U.S. Water Works Exp. Sta., 1940a, 1941.

Surf: Bigelow, 1947; O'Brien and Johnson, 1947; Sverdrup, 1946a; U.S. Hydro Surv., 1943a, 1944; U.S. Navy, 1947.

Wind: Bigelow, 1947; Johnson, J., 1948, 1949a; Neuman, 1953.

Wind: See also under Currents; Waves.

Windermere, Lake: See also under Currents; Light transmission; Temperature.

Wingra: Tressler, 1931.

Wisconsin lakes: Flanigan, 1942.

Zug, Lake: See under Temperature. Beche, 1820.

Zurich, Lake: See under Chemical studies.

ADDENDUM WITH INDEX

BABANSKII, M. M.

1953 - The hydrochemical characteristics of the Sengilev Lake (Also known as Rybonoe). *Gidrokhim. Materialy, Acad. Sci. Russe.* 21: 64-80.

BARGHOORN, ELSO S.

1953 - Recent changes in sea level along the New England coast: new archaeological evidence. *Sci.* 117: 597-598.

BASCOM, WILLARD

1954 - The control of stream outlets by wave refraction. *Jour. Geol.* 62: 600-605.

BOUGIS, P.

1953 - (and M. Ruivo) Un nouveau type de flotteur en matiere plastique pour l'etude des courants de surface. *Vie Milieu.* 4: 171-176.

BOYE, M.

1954 - (and A. Cailleux) Inland ice crystal measurements at Ege, West Greenland. *Journal Glaciology.* 2(15): 4905.

BRETSCHNEIDER, C. L.

1954 - Generation of wind waves over a shallow bottom. *Beach Erosion Board. Tech. Memo.* 51: 24.

1954a - (and R. O. Reid) Modification of wave height due to bottom friction percolation, and refraction. *Beach Erosion Board. Tech. Memo.* 45: 36.

BROC, J.

1953 - Mesure des courants marins par radar. *Bull. Institute de Oceanographie (1029):* 1-12.

BROWN, ALLEN L.

1954 - An analytical method of ice potential calculation. *Hydrographic Office. Tech. Report.* 5: 13.

BURT, W. V. (See Gast, J.A., 1954)

CAILLEUX, A. (See Boye, M., 1954)

CAROZZI, A. (See Kuenen, P.H., 1953)

CARRUTHERS, J. N.

1954 - A new automatic current float. *Water Sanitary Engineer.* 5(1).

CROSS, C. M.

1953 - Tidal datum planes. *Australia Surveyor.* 14: 266-271.

DARBYSHIRE, J.

1954 - Wave conditions in the North Atlantic 1953-1954. *Nature.* 174: 827-828.

DARLINGTON, C. R.

1954 - The distribution of wave heights and periods in ocean waves. *Quarterly Journal of the Royal Meteorological Society.* 80: 619-626.

DENMARK.

1950 - Bibliography of hydrology, July 1, 1937 - December 31, 1947. *International Association of Hydrology.* 15 p.

DIETRICH, G.

1954 - Ozeanographisch-meteorologische Einflüsse

- DIETRICH, G. - continued
auf Wasserstandsänderungen des Meeres am
Beispiel der Pegelbeobachtungen von Esbjerg.
Die Kuste. 2: 130-156.
- DONN, W. L. (See Ewing, M., 1954)
- ECKART, CARL.
1953 - The generation of wind waves on a water
surface. Jour. of Applied Physics. 24: 1485-
1495.
- EWING, M.
1954 - (and others) An explanation of the Lake
Michigan wave of June 26, 1954. Sci. 120:
684-686.
- FAZEKAS, K.
1954 - Hydrologic studies on control of fluctua-
tions of the level of Lake Balaton. Vizugyi
Kozlemenyek. No. 2, 251-259 pp.
- FISHER, R. L.
1954 - (and Roger Revelle) A deep sounding from
the Southern Hemisphere. Nature. 174:
469-470.
- FOTHERGILL, N. O. (See Hachey, H.B., 1953)
- FRANCE.
1952 - Bibliography of hydrology. 1946-1951.
International Association of Hydrology. 38 pp.
- FRIEDRICH, K. O.
1954 - (and D. H. Hyers). The existence of soli-
tary waves. Commission on Pure Applied
Mathematics. 7: 517-550.
- FURON, R.
1953 - La recherche de l'eau en Turquie. An.
Institute de Hydrologie and Climatologie.
24: 19-40.
- GAST, J. A.
1954 - (and W. V. Burt) Submarine photography in
Puget Sound. Science. 120: 579-580.
- GALTSOFF, PAUL S.
1954 - Gulf of Mexico; its origin, waters, and
marine life. Fish and Wildlife Service Fish-
ery Bull. 89. Washington, D. C. 604 p.
- GERMANY .
1954 - Bibliography of Hydrology, 1945-1949.
International Association of Hydrology. 11 pp.
- GOLDSBROUGH, G. R.
1954 - Wind effects on the motion of the sea in an
infinite channel and in a rectangular gulf.
Royal Soc. Proc., ser. A. 222: 477-480.
- GUILCHER, ANDRE
1954 - Morphologie littorale et sous-marine.
Presses Univ. France. 216 p.
- HACHEY, H. B.
1953 - (and N. O. Fothergill) Wind Currents and
storm effects on water movements at Sambro
Lightship. Trans. Royal Soc. of Canada.
3rd ser. 47: 1-14.
- HAMAGUCHI, H.
1954 - (and others) Chemical investigations of
deep-sea deposits XIX. Jour. Chem. Soc. of
Japan, Pure Chemical Sec. 75: 119-121.
- HAY, R. F. M.
1954 - A verification of Ekman's Theory relating
wind and ocean current directions using
ocean weather ship's data. Marine Observa-
tions. 24: 226-230.
- HERMANN, FRED.
1946 - (and H. Thornsén.) Drift-bottle experiment
in the northern North Atlantic. Danmarks
Fisleri-og Havundersogelser, Serie Hydro-
graph, Bind III, No. 4, 87 pp.
- HIDAKA, KOJI.
1954 - Physical oceanography in Japan in the per-
iod 1951-1954. Scientific Council of Japan.
30 pp.
- HYERS, D. H. (See Friedrichs, K. O., 1954)
- ICHIYE, T.
1954 - On the variation of oceanic circulation;
VI. Preliminary report on the cold waters in
the Kuroshio region. Geophysical Magazine.
25: 185-217.
- INOUE, N.
1953 - (and others) 'Kuroshio', undersea observation
chamber. Records of Oceanographic Work
Japan, n.s., 1: 52-62.
- ITAYA, J. (See Hamaguchi, H., 1954)
- IWASAKI, I.
1954 - (and T. Nitta) Geochemical investigations
of rivers, III. Journal Chemical Society Japan,
Pure Chem. Sec. 75: 548-552.
- JENS, S. W.
1954 - Hydrologic considerations in the San Jacinto
project. Journal American Water Works
Association. 46 (5): 438-444.
- KIMBERLEY, H. L. (See Wiegel, R. L., 1949)
- KRAMER, MOLLIE P.
1954 - Selective annotated bibliography on general
oceanographic meteorology. Meteorology
Abstracts Bibliography. 5: 75-123.
- KUENEN, PH. H.
1953 - (and A. Carozzi) Turbidity currents and
sliding in geosynclinal basins of the Alps.
Jour. Geol. 61 (4) 363-373.
- KUSUNOKI, KOU.
1954 - A brief review of studies on sea ice in Japan
Low Temperature Science. ser.A. 12: 145-
159.
1954a - (and T. Tabata) On the method of samp-
ling of sea ice. Low Temperature Science.
ser.A. 12: 87-94.
- LA CROIX, G. W.
1954 - (and J. P. Tully) The anomaly of mean sea

- LA CROIX, G. W. - continued
sea level in Seymour narrows. *British Columbia. Jour. Fish. Res. Bd. Can.* 11: 853-883.
- LAWFORD, A. L.
1954 - Currents in the North Sea during the 1953 gale. *Weather.* 9: 67-72.
- LE GRAND, Y.
1954 - (and others) Etude de la penetration de ultra violet dans la mer. *Annali Geofysi.* 10: 59-63.
- LEHMAN, R. S.
1954 - Developments in the neighborhood of the beach of surface waves over an inclined bottom. *Commission on Pure Applied Mathematics.* 7: 393-439.
- LENOBLE, J. (See LeGrand, Y., 1954)
- LEVCHENKO, V. M.
1953 - The classification of natural waters. *Gidrokhim. Materialy, Acad. Sci. Russe.* 21: 86-96.
- MCLELLAN, H. J.
1954 - Water conditions in the Strait of Canso before closing. *Progress Report Atlantic Coast Station.* 59: 7-11.
1954a - Bottom temperatures on the Scotian Shelf; I. Spring (1952). *Progress Report of the Atlantic Coast Sta.* (58): 23-27.
1954b - Bottom temperatures on the Scotian Shelf; II. Summer (1952). *Progress Report Atlantic Coast Station.* 59: 12.
- MCNOWN, J. S.
1954 - On the excitation of harbor waters due to action of the sea. (abst. in *Applied Mechanics Review.* 7: 3073.
- MOCRE, D. G.
1954 - Submarine geology of San Pedro Shelf. *Jour. of Sed. Petrol.* 24: 162-181.
- NETHERLANDS.
1947 - Bibliography of Hydrology, 1938-1947. *Int. Assoc. of Hydrology.* 19 pp.
- NITTA, T. (See Iwasaki, L., 1954)
- NORWAY.
1953 - Bibliography of Hydrology; 1940-1950. *Int. Assoc. of Hydrology.* 19 pp.
- NYBERG, A.
1953 - (and L. Raab) A remark on the energy transport from a warm river surface into cold air. *Tellus.* 5(4): 529-532.
- OAKI, R. (See Inoue, N., 1953)
- PASSEGA, R.
1954 - Turbidity currents and petroleum exploration. *Am. Assoc. Petrol. Geol.* 38: 1871-1887.
- PATRICK, D. A. (See Wiegell, R. L., 1949)
- PIERSON, W. J.
1954 - Ocean surface waves; analysis of their appearance, propagation, and properties in terms of power spectra, stationary time series, and statistics. *Jour. Am. Statistics Assoc.* 48: 1-63.
- PICKARD, G. L.
1954 - Oceanography of British Columbia mainland inlets; III, Internal waves. *Progress Report of the Pacific Coast. Sta.* (98): 13-16.
- POLAND.
1952 - Bibliography of Hydrology, 1949. *Int. Assoc. of Hydrology.* Warsaw. 103 pp.
- PRESS, F. (See Ewing, M., 1954)
- PROUDMAN, J.
1954 - Note on the dynamics of storm surges. *Monthly Notice of the Royal Astron. Soc.* 7: 44-48.
- RAAB, L. (See Nyberg, A., 1953)
- REID, R. O. (See Bretschneider, C. L., 1954)
- REVELLE, ROGER (See Fisher, R. L., 1954)
- ROUCH, J.
1954 - Bottle papers. *Institute of Oceanography.* No. 1046. 5 pp.
- RUIVO, M. (See Bougis, P. 1953)
- SAINT-GUILY, B. (See LeGrand, Y., 1954)
- SASAKI, T. (See Inoue, N., 1953)
- SCOTT, THEODORE
1954 - Sand movement by waves. *Beach Erosion Bd. Tech. Memo.* No. 48. 37 pp.
- SHEPARD, F. P.
1954 - Nomenclature based on sand-silt-clay ratios. *Jour. Sed. Petrol.* 24: 151-158.
- STOMMEL, HENRY
1954 - Circulation in the North Atlantic Ocean. *Nature.* 173: 886-888.
- SWEDEN.
1949 - Bibliography of Hydrology. *Int. Assoc. of Hydrology.* (6-14): 1-22.
- SWITZERLAND.
1952 - Bibliography of Hydrology 1939-1947. *Int. Assoc. of Hydrology.* (1-9): 1-39.
- TABATA, T. (See Kusunoki, K., 1954)
- TATSUMOTO. (See Hamaguchi, H., 1954)
- THOMPSON, R. W. S.
1954 - Stratification and overturn in lakes and reservoirs. *Jour. Institute of Water Engineers.* 8: 19-25.
- TISON, L. J.
1954 - Bibliography of Hydrology, Belgium, 1938-1947. *Int. Assoc. of Hydrology.* 197 pp.
- TULLY, J. P. (See LaCroix, G. W., 1954)
- VON ARX, WILLIAM S.
1954 - A laboratory model of the wind-driven ocean circulation. *Weather.* (9: 170-176).
- WEBBER, E. E. (See Winslow, J. D., 1953)
- WHITE, G. W. (See Winslow, J. D., 1953)

- WIEGEL, R. L.
1954 - (and others) Wave, longshore current, and beach profile records for Santa Margarita River. *Am. Geophys. Union.* 35(6): 887.
- WINSLOW, J. D.
1953 - (and others) Water resources of Cuyahoga County, Ohio. *Ohio Dept. of Nat. Res.*
- WINSLOW, J. D. - continued
Divis. of Water. 26: 123.
- WORLD METEOROLOGICAL ORGANIZATION.
1954 - Methods of observation at sea. pt.1, sea surface temperature. *Tech. Note.* 2, 35 pp.
- WUNDT, W.
1953 - *Hydrology.* Springer-Verlag. 6: 320.

INDEX TO ADDENDUM

- Balaton, Lake: Fazekas, 1954.
- Beaches: Lehman, 1954.
- Bibliography:
Hydrology: Denmark, 1950; France, 1952; German, 1954; Netherlands, 1947; Norway, 1953; Poland, 1952; Sweden, 1949; Switzerland, 1952; Tison, 1954.
Oceanographic Meteorology: Kramer, 1954.
- Chemical Studies:
Sengilev, Lake: Babanskii, 1953.
General: Hamaguchi, 1954; Iwaski, 1954.
- Classification: Levchenko, 1953.
- Climate:
Energy Transfer: Nyberg, 1953.
- Currents:
Drift Cards and Bottles: Bougis, 1953; Hermann, 1946; Rouch, 1954.
General: Dietrich, 1954; Ichive, 1954; Lawford, 1954; Stommel, 1954.
Longshore: Wiegel, 1949.
Measurement: Bougis, 1953; Broc, 1953; Carruthers, 1954.
Turbidity: Kuenen, 1953; Passega, 1954.
Wind: Goldsbrough, 1954; Hachey, 1953; Hay, 1954; Von Arx, 1954.
- Geology:
General: Galtsoff, 1954.
Submarine: Moore, 1954.
- Hydrography:
Erie, Lake: Winslow, 1953.
General: Denmark, 1950; France, 1952; Germany, 1954; Jens, 1954; Netherland, 1947; Norway, 1953; Poland, 1952; Sweden, 1949; Switzerland, 1952; Tison, 1954; Wundt, 1953.
- Ice:
General: Boye, 1954; Brown, 1954; Kusunoki, 1954, 1954a.
- Internal Waves: Pickard, 1954.
- Light Transmission:
Measurement: LeGrand, 1954.
- Limnology:
General: Guilcher, 1954.
- Oceanography:
General: Barghoorn, 1953; Fisher, 1954; Hidaka, 1954; Ichive, 1954; Inoue, 1953; LaCroix, 1954; McLellan, 1954; Pickard, 1954; Stommel, 1954; Von Arx, 1954.
- Photography: Gast, 1954.
- Sediments:
Movement: Scott, 1954.
Sand: Shepard, 1954.
- Sengilev, Lake: Babanskii, 1953.
- Temperature:
General: World Meteorological, 1954.
Scotian Shelf: McLellan, 1954a, 1954b.
Stratification: Thompson, 1954.
- Tides:
General: Cross, 1953.
- Turkish Lakes: Furon, 1953.
- Water Levels:
Balaton Lake: Fazekas, 1954.
Sudden Fluctuations: Ewing, 1954; Friedrichs, 1954;
Surges: Proudman, 1954.
- Waves:
General: Bascom, 1954; Bretschneider, 1954; Darbyshire, 1954; Darlington, 1954; Friedrichs, 1954; Pierson, 1954; Wiegel, 1949.
Sand Movement: Scott, 1954.
Wind: Bretschneider, 1954; Eckart, 1953.