

Proceedings of the Iowa Academy of Science

Volume 18 | Annual Issue

Article 4

1911

Proceedings of the Twenty-Fifth Annual Session of the Iowa Academy of Science: Staff & Committee Reports; Program; Exchanges in Academy Library

L. S. Ross

G. F. Kay

Copyright ©1911 Iowa Academy of Science, Inc.

Follow this and additional works at: <https://scholarworks.uni.edu/pias>

Recommended Citation

Ross, L. S. and Kay, G. F. (1911) "Proceedings of the Twenty-Fifth Annual Session of the Iowa Academy of Science: Staff & Committee Reports; Program; Exchanges in Academy Library," *Proceedings of the Iowa Academy of Science*, 18(1), 1-10.

Available at: <https://scholarworks.uni.edu/pias/vol18/iss1/4>

This General Interest Article is brought to you for free and open access by the Iowa Academy of Science at UNI ScholarWorks. It has been accepted for inclusion in Proceedings of the Iowa Academy of Science by an authorized editor of UNI ScholarWorks. For more information, please contact scholarworks@uni.edu.

PROCEEDINGS OF THE Twenty-Fifth Annual Session of the Iowa Academy of Science

REPORT OF THE SECRETARY.

To the Members of the Iowa Academy of Science:

The Iowa Academy of Science is in a good vigorous condition. At the meeting last year seven fellows and fifteen members were added to the list. This year the number of applications is several times as large. It seems that there is a renewal of youthful vigor. Many letters of invitation were sent out by the president and the secretary with results that are encouraging. Some three or four years ago the secretary sent out a large number of letters without receiving a single favorable response. The Academy has not been sufficiently aggressive in past years. Too much has been taken for granted with reference to the knowledge of the scientists over the state concerning the aims of the Academy and concerning its personnel. There must be no reason for any suspicion of scientific exclusiveness or snobbishness on the part of the Academy. The response to letters this year indicates that numbers were ready to become members when their attention was called to the aims and purposes of the Academy. The continuance of earnest work will add many more to our membership.

The committee, consisting of the president, the secretary and J. H. Lees, appointed to see if the mechanical construction of the Proceedings could be improved, did its work, the president by correspondence and the secretary and Mr. Lees by conference. It was found that not much change was feasible in the stock used as it is the same as that used for other state printing with the exception of the reports of the Geological Survey. A betterment in the binding was made, using buckram instead of cloth, adding tool line and head band, using square edge boards instead of beveled, and putting *the state seal* on the volume.

Consideration should be given to the matter of the number of copies of the Proceedings for distribution to members. One thousand copies are published. Two hundred of these are put into better binding for the members, the added cost being paid by the Academy. This number should be increased to two hundred and fifty or three hundred to meet the needs of our increased membership. There are now approximately two hundred names on the roll,

IOWA ACADEMY OF SCIENCE

and some seventy-five or eighty applications for membership have been received. It is advisable that action be taken to meet the increased demand. The number of copies available for distribution to legislators, to libraries and for exchange is large enough so that some of these might be put into better binding for the members. The number of copies of Vol. XVI sent to members was 160; to libraries, 225; exchanges, approximately 165.

The report of the annual meeting of the Academy as sent to Science for publication could be made more complete and more valuable, by the presence of brief abstracts of the papers presented. It is hardly the province of the secretary to prepare such abstracts nor can he do it as well as the authors. This year thirty-five titles have been received, seven of which were accompanied by abstracts. Another abstract was sent in later than the title, too late to appear on the program.

The request is made that authors wanting extra reprints make out their orders direct to the state printer. These orders may be sent to the printer or to the secretary who will turn them over to the printer. The reason for this request is that the Academy is in no way responsible for the payment of bills for the extra reprints. It is entirely a private matter between the author and the printer.

Members not infrequently change their addresses without notifying the secretary. This gives rise to difficulty in sending communications.

Recently in conversation with one of the officers of the Iowa Association of Mathematics teachers, the statement was made to the effect that the Association would willingly appoint a committee to consult with a committee from the Academy concerning the feasibility of a union of the two organizations. The consideration of the appointment of such a committee is suggested.

A short time previous to the meeting in 1908 the president of the Academy suggested the advisability of not giving a presidential address. The members with whom he consulted were in favor of continuing the custom. It will be well to consider the question carefully before departing from the established custom.

The president has raised the question as to the advisability of continuing the existence of the council. If there be any reason for its continuance, then let us not amend the constitution. But for some years the actions of that body have been perfunctory, merely as a matter of form to comply to the requirements of the constitution.

The president has also called attention to the fact that our next meeting will be the twenty-fifth anniversary of the organization of the Academy and that it would be very appropriate for some special recognition to be given to the event.

Respectfully submitted,

L. S. ROSS, Secretary.

IOWA ACADEMY OF SCIENCE

3

TREASURER'S REPORT.

RECEIPTS.

Cash on hand, April 29, 1910.....	\$ 200.73	
Dues and initiation fees from members and fellows.....	145.00	
Life membership fees	49.00	
Sale of Proceedings.....	3.54	
Interest on deposits.....	8.03	
		\$406.30

EXPENDITURES.

Expenses of lecture, 24th meeting.....	\$ 28.55	
Cash to former treasurer for item of expense not before reported..	10.00	
Postage of president.....	5.30	
Postage and stenographic work of treasurer.....	12.65	
Stationary for president and treasurer.....	7.00	
Wrapping, tying and sending out Vol. XVI of Proceedings.....	10.00	
Honorarium to secretary.....	25.00	
Postage and incidental expenses of secretary.....	16.04	
Programs, letter heads, etc.....	9.75	
Binding, reprints, etc.....	77.50	
Cash on hand, April 28th, 1911.....	204.51	
		\$406.30

Respectfully submitted, (Signed) G. F. KAY.

REPORT OF COMMITTEE ON QUARTER CENTENNIAL.

The following report is submitted:

1. That the Iowa Academy meet in the State Historical Building at Des Moines.
2. That Professor Herbert Osborn of Columbus, Ohio, one of the charter members of the Iowa Academy of Science, be invited to give the annual address.
3. That brief papers on the charter members be prepared by some person designated by the Executive Committee.
4. That papers, except those by special invitation, be given as far as possible orally and in abstract.
5. That the Executive Committee invite members of the Academy to make addresses on special subjects setting forth the history of each branch of science in Iowa during the quarter of a century that the Academy has been in existence.
6. That the Executive Committee be requested to arrange for a formal banquet to which the members may bring their ladies.
7. That an invitation be extended to similar bodies in this and neighboring states to send representatives to make short responses.
8. That three hundred copies of the report be printed on good rough paper at the expense of the Academy and be distributed to members. (In all 1,300 copies, 300 copies to be paid for by the Academy and 1,000 by the state.)
9. That the President's address come immediately after the business of the first meeting.
10. That a committee be appointed to revise the constitution, to give notice of amendments four weeks before the annual meeting, so that the revised constitution may be acted on at the regular meeting and printed in the Quarter Centennial volume.

(Signed) L. H. PAMMEL,
 J. L. TILTON,
 H. S. CONARD,
 Committee.

IOWA ACADEMY OF SCIENCE

REPORT OF COMMITTEE ON MEMBERSHIP.

NAMES PROPOSED FOR FELLOWS.

R. P. Baker, Iowa City; W. M. Barr, Ames; F. C. Brown, Iowa City; A. W. Dix, Ames; A. H. Ford, Iowa City; B. J. Lambert, Iowa City; J. N. Pearce, Iowa City; W. G. Raymond, Iowa City; L. B. Spinney, Ames; C. H. Stange, Ames; A. A. Wells, Ames; Mabel C. Williams, Iowa City.

TRANSFERRED FROM MEMBERS TO FELLOWS.

B. H. Bailey, Cedar Rapids; S. F. Hersey, Cedar Falls; Albert Kuntz, Iowa City; A. O. Thomas, Iowa City; L. D. Weld, Cedar Rapids.

NAMES PROPOSED FOR MEMBERS.

W. B. Anderson, Ames; Miss Pearle Bailey, Cedar Rapids; A. L. Bakke, Ames; T. R. Ball, Des Moines; Miss Etta M. Bardwell, Cedar Rapids; G. H. Berry, Cedar Rapids; Miss Esther Bracewell, Waverley; Percy Brown, Ames; Chauncey Case, Storm Lake; Miss Francis Church, Des Moines; W. H. Clark, Iowa City; S. W. Collett, Fayette; Miss Lilah B. Crum, Iowa City; E. H. Cummins, Des Moines; H. R. Dill, Iowa City; H. L. Dodge, Iowa City; L. P. Dove, Carroll; A. F. Ewers, Davenport; Miss Nellie Fisher, Muscatine; B. P. Fleming, Iowa City; Miss Emma J. Fordyce, Cedar Rapids; C. McL. Fraser, Iowa City; L. A. Giddings, Bedford; Miss E. Mae Gittins, Des Moines; E. H. Golish, College Springs; P. E. Goodell, Des Moines; J. W. Hanna, Winfield; Miss Jessie P. Hastings, Iowa City; W. E. Hayer, Fairfield; F. G. Higbee, Iowa City; L. G. Holbrook, Des Moines; Miss Susan Grace Jewell, Tabor; Miss Minnie R. Johns, Iowa City; W. B. Johnson, Tabor; Miss Elizabeth Jones, Boone; W. H. Kadesch, Cedar Falls; Miss Harriette S. Kellogg, Ames; N. D. Knup, Iowa City; L. Kunerth, Ames; W. H. Lewis, Winterset; J. E. Lukens, Chariton; G. B. MacDonald, Ames; Miss Francis MacFarland, Des Moines; W. L. Mendenhall, Des Moines; D. E. Merrill, Iowa City; T. E. Moore, Charles City; L. B. Mull, Ottumwa; R. Neidig, Ames; W. S. Newell, Cedar Rapids; S. B. Nicholson, Des Moines; Miss Mabel A. Paull, Sigourney; F. C. Pellett, Atlantic; Miss Elvera Pierson, Independence; T. M. Prall, What Cheer; J. F. Reilly, Iowa City; A. R. Robertson, Des Moines; S. N. Sayre, St. Charles; E. C. Stanley, Oskaloosa; Miss Nellie E. Shaver, Muscatine; Miss Ella Shimek, Iowa City; Harold Stilcs, Sioux City; Dayton Stoner, Iowa City; Miss Alma M. Stotts, Des Moines; Miss Aravilla Taylor, Centerville; Miss Beryl Taylor, Cedar Rapids; W. A. Titworth, Des Moines; Miss Idylene Tovey, Waterloo; Miss Francis M. Van Tuhl, Iowa City; S. M. Woodward, Iowa City; W. S. Wells, Sioux City; Miss Mildred R. Yule, Clinton.

NAMES PROPOSED FOR CORRESPONDING MEMBERS.

R. R. Gates, Mo. Botan. Garden, St. Louis, Mo.; A. G. Ruthven, Ann Arbor, Mich.

NAMES OF THOSE IN ATTENDANCE.

Henry Albert, Frank F. Almy, Miss Alison E. Aitcheson, M. F. Arcy, B. H. Bailey, Miss Etta M. Bardwell, W. M. Barr, L. Begeman, A. A. Bennett, S. W. Beyer, F. C. Brown, Miss Margaret Buckley, E. J. Cable, W. H. Clark, Henry S. Conard, Miss Lilah B. Crum, C. F. Curtis, H. L. Dodge, Miss E. J. Fordyce, A. H. Ford, C. McLean Fraser, R. W. Getchell, S. F. Hersey, W. H. Kadesch, G. F. Kay, H. M. Kelley, C. N. Kinney, Nicholas Knight, Albert Kuntz, B. J. Lambert, James H. Lees, J. T. McClintock, T. Earle Moore, A. Marsten, H. W. Norris, W. H. Norton, L. H. Pammel, H. J. Prentiss, E. W. Reckwood, L. S. Ross, C. E. Seashore, B. Shimek, Ella Shimek, L. P. Sieg, A. G. Smith, W. H. Stevenson, G. W. Stewart, Frank A. Stromsten, H. E. Summers, A. O. Thomas, W. A. Titworth, LeRoy D. Weld, Ira O. Williamson, R. B. Wylie, Miss Mildred R. Yule.

IOWA ACADEMY OF SCIENCE

OFFICERS FOR THE YEAR 1911-12.

President.....	L. Begeman
First Vice President.....	A. A. Bennett
Second Vice President.....	C. N. Kinney
Secretary.....	L. S. Ross
Treasurer.....	G. F. Kay

EXECUTIVE COMMITTEE.

Ex-Officio—L. Begeman, A. A. Bennett, C. N. Kinney, L. S. Ross, G. F. Kay.
Elective—H. S. Conard, B. H. Bailey, H. M. Kelley.

PROGRAM.

The sessions of the Academy were held in Room 127, Carnegie Science Hall, Coe College, Cedar Rapids, beginning at 1:30 p. m., Friday, April 28.

The public address by Dr. Edward L. Nichols of Cornell University, on "The Ends of the Spectrum—The Infra-Red and the Ultra-Violet," was given Friday at 8:00 p. m., in the auditorium of Marshall Hall.

Nitrogen in Rain and Snow.....Nicholas Knight
 Asteroid, 1909, JA.....Seth Nicholson and Alma Stotts
 (Introduced by D. W. Morehouse.)

Vaccination Against Typhoid Fever.....Henry Albert
 Flowers of Story CountyJ. M. Lindly

The Succession of Floras on the Sand Dunes of Iowa.....B. Shimek
 A discussion of the changes of the earliest flora of these dunes, consisting largely of leguminose plants, to the typical prairie flora of the older areas.

The Nebraskan Drift.....B. Shimek
 A discussion of its distribution and correlation, including the results of recent investigations. The conclusion is reached that this drift cannot be correlated with the Jerseyan and Albertan, and that the name "Kansan" should not be transferred to it.

Notes on Fungus Diseases.....L. H. Pammel
 Gives a record of a very destructive *Exoascus* upon the hard maple in the Rocky mountains, also an account of the destructive *Exoascus* on the oak, the destructive *Fomes Iginarius* on the quaking aspen in some parts of the Wasatch mountains in Utah, as well as the destructive work of *Pleurotus* upon the box elder and other deciduous trees in Iowa.

Notes on the Pollination and Variation of Red Clover (*Trifolium Pratense*)
L. H. Pammel and Charlotte M. King

Giving notes on the more important insects that pollinate the red clover in the state of Iowa and their relation to fertility; compares the amount of seeds produced per head and the number of flowers, showing an extreme variation.

The Ecology of a Prairie Formation with Adjacent Swamp and Woodland in Story County, Iowa.....	Ada Hayden
<p style="padding-left: 40px;">Gives a physiographic account of the region with a physical analysis of the soil and the temperature records for an entire growing season and a list of plants found on each formation and the re-population of tillable soil which is reverting to prairie.</p>	
Some Notes on Iowa Fungi.....	T. H. Macbride
The Flowers of <i>Myriophyllum Spicatum</i>	N. D. Knupp
(Introduced by R. B. Wylie.)	
Glaciated Rock Surfaces near Linn and at Quarry.....	W. H. Norton
Some Features of the Bering River Coal Field, Alaska.....	George F. Kay
Problems on the Border Lines between Geology and the Other Sciences....	George F. Kay
.....	
Graphics of Ore Origin.....	Charles R. Keyes
Volcanic Phenomena of Coon Butte Region.....	Charles R. Keyes
Depositional Phases of Eolation Under the Stimulus of Aridity; with Special Reference to Iowa.....	Charles R. Keyes
Some Characteristics of Light-Negative Selenium.....	Miss Lillah B. Crum
(Introduced by G. W. Stewart.)	
The Use of a Ballistic Galvanometer and a Pendulum for Measuring Rapidly Fluctuating Resistances.....	Wm. H. Clark
(Introduced by G. W. Stewart.)	
Notes in Regard to Efficiencies of Luminous Flames.....	G. W. Stewart
On the Rate of Recovery of the Elastic Properties of a Certain Wire..	L. P. Sleg
The Measurement of Musical Capacity.....	C. E. Seashore
<p style="padding-left: 40px;">A new series of measurements proposed to determine musical memory, sense of rhythm, voluntary control of pitch, the perception of consonance, discrimination for intensity in addition to pitch discrimination, methods of measurements, and results illustrated.</p>	
Illuminating Engineering—A New Profession.....	Arthur H. Ford
(Introduced by Arthur G. Smith.)	
Some Remarks on the Solubility of Certain Salts in Water.....	LeRoy D. Weld
The Doppler Effect in Electrodeless Discharge.....	Frank F. Almy
Some Laboratory Apparatus in Elementary Physical Measurements.....	Frank F. Almy
.....	
The Action of Epinephrin Upon the Muscle Tissue of the Vein..	Jno. McClintock
A Method for Studying Embryos as Related to Medical Work.....	H. J. Prentiss
The Peripheral Distribution of Cranial Nerves in <i>Necturus Maculatus</i>	H. W. Norris and Margaret Buckley
.....	
The Zoological Rank of <i>Necturus</i> as Indicated by the Origin and Distribution of Its Cranial Nerves.....	H. W. Norris
Notes on Methods for the Study of Amphibian Eggs and Larvae..	Albert Kuntz
The Development of Lymph Channels in Turtles by the Fusion of Mesenchymal Spaces.....	Frank A. Stromsten
Some Notes on Iowa Reptiles.....	M. P. Somes

Building a Museum.....T. Van Hyning

An outline plan of building an Iowa State Museum; showing the approximate amount of museum material in the state required for a museum, together with showing the number of cases required, case space, floor space, etc., for a completed museum representative of the state. A co-operative plan of school museums, whereby the schools of the state may co-operate with the state museum in supplying a museum for all of the schools is proposed.

EXCHANGES IN ACADEMY LIBRARY.

- Abhandlungen Gebiete Naturwissenschaften.
- American Academy of Arts and Science, (Proceedings).
- Augustana College Library, (Publications).
- Belgique-L'Observatoire Royal, Annals de Bruxelles, Smithsonian Exchanges.
- Bergen's Museum.
- Biological Society of Washington. Price List of Publications.
- Biological Society of Washington (Proceedings).
- Boston Society of Natural History (Proceedings).
- Brazil Museu Croeldi.
- Brazil Para Museu Croeldi Publicavoea (do) Memorias.
- Brooklyn Inst. of Arts & Science. Museum Bulletin.
- California Academy Sciences (Memoirs).
- California Academy Sciences Occasional Papers.
- California Academy Sciences (Proceedings, Geology).
- California Academy Sciences (Proceedings, Zoology).
- California University Bulletin.
- California University List of Publications.
- California University. Publications in Botany.
- Chicago Academy of Science, Bulletin.
- Cincinnati Society of Natural History, (Journal).
- Colorado College Publications.
- Colorado Scientific Society, Proceedings.
- Colorado Scientific Society, Year Book.
- Colorado State Hist. and Nat. Hist. Soc. Biennial Report.
- Colorado, University of, Studies.
- Connecticut Academy of Arts and Sciences, Memoirs.
- Connecticut Academy of Arts and Sciences, Transactions.
- Connecticut Geol. and Nat. History Survey, Bulletin.
- Congre's International de Botanique Circulaire.
- Cuepre de Ingenieros de Minas del Peru Boletin.
- Davenport Academy of Sciences Proceedings.
- Denison University, Bulletin of Scientific Laboratories.
- Dorfleria.
- Edinburgh-Royal Society, Proceedings. (Smithsonian Exchanges.)
- Edinburgh-Royal Society, Transactions.
- Field Columbian Museum, Publications.
- Field Museum of Natural History, Publications.

- Georgia State Board of Entomology, Bulletin.
 Georgia State Board of Entomology, Circular.
 Gray Herbarium of Harvard University, Proceedings.
 Hamburg Naturwissenschaftlichen Verein Abhandlungen.
 Henricksen, G., Inspector of Mines, Sundry Geological Problems.
 Illinois Laboratory of Natural History, Bulletin.
 Illinois University, Bulletin.
 Indiana Academy of Science, Proceedings.
 Indiana University, Studies.
 Iowa Academy of Science, Proceedings.
 Jaarcijfers voor het Koninkrijk der Nederlanden.
 John Crerar Library, Annual Report.
 John Crerar Library. List of Publications, Handbook.
 Kansas, University of, Science, Bulletin.
 Lloyd Library, Biographical Contributions.
 Lloyd Library, Bulletin.
 Louisiana State Board of Agriculture and Immigration, Bulletin. (Gulf Biologic Station.)
 Maine University Agricultural Experiment Station, Bulletin.
 Maryland Historical Society, Proceedings and Acts of the Assembly.
 Mexico Observatorio Meteorologico Central de Boletin Mensual. (Smith. Exchange.)
 Mexico Observatorio Meteorologico. Servicio Meteorol., Central Mexico, Boletin.
 Michigan Academy of Sciences, Report.
 Michoacan Seccion Meteorologica Boletin.
 Milwaukee Public Library, Annual Report.
 Milwaukee Public Museum, Bulletin.
 Minnesota Academy of Natural Sciences, Bulletin.
 Minnesota Historical Society, Arch, Collections.
 Miramichi Natural History Association, Proceedings.
 Missouri Botanical Garden Report.
 Montana, University of, Bulletin.
 Montreal Natural Hist. Soc., Canadian Record of Science.
 Museum of Comparative Zoology, Harvard College, Bulletin.
 Naturforschenden Gesellschaft Mittellungen. (Smithsonian Exchanges.)
 Naturforschenden Gesellschaft Vierteljahrschrift. (Smithsonian Exchanges.)
 Naturwissenschaftlichen Vereins Verhandlungen.
 Nebraska University Agricultural Experiment Station, Annual Report.
 Nebraska University Agricultural Experiment Station, Bulletin.
 Nebraska University Studies.
 Nebraska University, Bulletin.
 Nevada University Bulletin.
 Nevada University, Studies.
 New York Academy of Sciences, Annals.
 New York Botanical Garden, Bulletin.
 North Dakota University, Quarterly Journal.
 Nova Scotian Institute of Science Proceedings and Transactions.

IOWA ACADEMY OF SCIENCE

9

- Oberhessischen Gezellschaft Fur Natur und Heilkunde Bereich. (Smithsonian Exchanges.)
- Oberlin College Laboratory Bulletin.
- Oberlin College Library, Wilson Bulletin.
- Ohio Archaeological and Historical Society, Quarterly.
- Ohio State Academy of Sciences, Proceedings.
- Ohio Geological Survey, Bulletin.
- Ohio State University Agricultural College, Extension Bulletin.
- Ohio State University, Bulletin.
- Ohio State University, News-Bulletin.
- Ohio State University, Quarterly.
- Oklahoma Geological Survey, Bulletin.
- Ottawa Naturalist.
- Philadelphia Academy of Natural Sciences, Proceedings.
- Phillipine Islands Bureau of Science, Journal of Science.
- Philosophical Society of Washington, Bulletin.
- Pomona College Biol., Department of, Pomona Journal of Entomology.
- Porto Rico Agricultural Experiment Station, Bulletin.
- Reale Istituto Lombardo di Scienze e lettere. (Smithsonian Exchanges.)
- Real Sociedad Espanola de Historia Natural, Boletin.
- Regia Scuola Superiore di Agricoltura di Portici Annali.
- Republic of Cuba, Department of Commerce and Labor, Supplement to the Import Tariff.
- Republique Francaise, Service de la Statistique Municipale. **Annuaire Statistique de la Ville de Paris.**
- Rijks Herbarium.
- Rio de Janerio, Manquinhos. Memoirs do Instituto Oswaldo Crus.
- Rio de Janerio Museum Nacional (do) Archivos (do).
- Rochester Academy of Sciences, Proceedings.
- St. Louis Academy Sciences, Transactions.
- Sao Paulo, Sec. da Agricultura A Riberia de Iguape por Edmundo Krug.
- Smithsonian Institute Bureau of America, Ethnology Bulletin.
- Smithsonian Institution, An. Report.
- Smithsonian Institution Nat. Museum, Bulletin.
- Sociedad Scientifica de Chile Actes.
- Sociedad Scientifica Revista Soa Paulo. (Smithsonian Institute Exchanges.)
- Staten Island Nat. Sci. Association, Proceedings.
- Texas Academy of Science, Transactions.
- Texas, University of, Bulletin.
- Tufts College Studies.
- U. S. Agricultural Department, Crop Reporter.
- United States Agricultural Department, Bulletins and Circulars.
- U. S. Bureau of American Ethnology, American Report.
- U. S. Commerce and Labor, Consular Reports.
- U. S. Commerce and Labor, (Bu.) Census.
- U. S. Commerce and Labor, (Bu.) of Manufactures.
- U. S. Department of Agriculture, Monthly List of Publications.
- U. S. Geological Survey, Bulletins.

- U. S. Geological Survey, Mineral Resources.
- U. S. Geological Survey, Monographs.
- U. S. Geological Survey, Professional Papers.
- U. S. Geological Survey, Pub.
- U. S. Geological Survey, Water Supply Papers.
- U. S. Government List of Official Publications.
- U. S. Interior Department of Ethnological Survey Publications.
- U. S. Library of Congress, Publications.
- U. S. National Museum, Bulletins.
- U. S. National Museum, Contributions.
- U. S. National Museum, Proceedings.
- U. S. Navy, Sec. Gulf of Mexico.
- U. S. War Dept., Roster of Organized Militia of U. S.
- U. S. War Dept., Chief of Staff, Extracts from Reports by Regular and Militia Officers.
- Upsala University Geol. Inst., Bulletins.
- Victoria Royal Society Proceedings.
- Victoria Royal Society, Transactions.
- Warren Academy of Science, Transactions.
- Wisconsin Academy of Science, Transactions.
- Wisconsin Nat. Hist. Society, Bulletin.
- Wisconsin University, Bulletin.
- Wyoming, University of, Bulletin of School of Mines.
- Yale University, Geol. Department, Geol. Papers.
- Yale University Peabody Museum of Nat. History, Guide.
- Yale University Peabody Museum of Nat. History, Publications.
- Zeitschrift fur wissenschaftliche Insectenbiologie.
- Zoologisch-botanischen Gezellschaft. (Smithsonian Exchanges.)