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FIELD COLUMBIAN MUSEUM

PUBLICATION 52.

REPORT SERIES.

VOL. I, No. 6.

ANNUAL REPORT OF THE
DIRECTOR

TO THE
BOARD OF TRUSTEES

FOR THE YEAR 1899-1900.



CHICAGO, U. S. A.

October, 1900.



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S. C. SIMMS, *Asst. Curator Division of Ethnology*.

DEPARTMENT OF BOTANY.

C. F. MILLSPAUGH, *Curator*.

DEPARTMENT OF GEOLOGY.

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ELMER S. RIGGS, *Assistant Curator Paleontology*.

DEPARTMENT OF ZOOLOGY, EXCEPT ORNITHOLOGY.

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S. E. MEEK, *Assistant Curator*.

DEPARTMENT OF ORNITHOLOGY.

C. B. CORY, *Curator*.

THE LIBRARY.

ELSIE LIPPINCOTT, *Librarian*

RECORDER.

D. C. DAVIES.

ANNUAL REPORT OF THE DIRECTOR.

1899-1900.

To the Trustees of the Field Columbian Museum:

I have the honor to present a report of the operations of the Museum for the year closing September 30, 1900. Your Director has been absent from his post several months of the period covered by this report, and must rely more than usual upon the reports of the heads of departments for such information as is conveyed to you hereby. As will be apparent from the details following, very important improvements have been made, and owing to the personal attention given by the President to the executive work of the institution, the year records unusual activity and progress. An important action of the Executive Committee has been the abandonment of all the industrial and historical collections of the Museum. With the exception of the annex occupied by transportation, the halls heretofore occupied by the industrial arts have been or soon will be transferred to the use of the Department of Anthropology, and the material heretofore contained therein returned to the donor, presented to appropriate institutions or stored away for further consideration. In this connection it is well to note the distribution of the material, photographs, paintings, etc., in Columbus Memorial Hall to the Chicago Historical Society, the University of Chicago, the Newberry Library, and to a number of schools in the state; also the presentation by President Higinbotham of the collection of dressed and undressed skins of mammals, birds and reptiles that may be utilized for commercial purposes, to the Commercial Museum of Philadelphia. This collection, which had attracted considerable attention, had been purchased with other material from Tiffany & Company of New York by Mr. Higinbotham and presented to the Museum. The action of the Trustees above referred to rendered this material inappropriate under the scope adopted and it was returned to Mr. Higinbotham, who, as stated, presented it to a museum devoted to commercial ends.

STAFF OF THE MUSEUM.—The personnel of the staff remains practically unchanged. The resignation of Mr. Dieserud, Librarian of

the Museum, was accepted during the month of July, and Miss Elsie Lippincott was appointed as his successor. Mr. E. N. Guiret was appointed as Osteologist early in the spring, that post having been vacant over a year. No other changes occurred in the staff of the Museum.

INCOME AND MAINTENANCE.—The budget authorized by the Executive Committee provided for the sum of \$102,000 for the maintenance of the Museum for the year ending September 30, 1900. The amount expended was \$94,938, showing a balance of \$7,062 within the anticipated expenses. In addition to this amount \$25,924 was expended by the authority of the Executive Committee for collections, expeditions, etc., bringing the total expenditure for the year to \$120,862. Comparing the cost of maintenance with the sums used for like purposes in previous years, it is noticed there is quite an increase in the amount expended for general repairs of the building, including the tedious and expensive labor now in progress of strengthening the main floor. It is especially gratifying that, notwithstanding the unusual cost of repairs and improvements to the building, the funds have been found within the limits of the budget for maintenance, and there remains several thousand dollars of this fund yet to its credit for the year.

THE MEMBERSHIPS.—The number of annual members still decreases; twenty-nine resignations having been accepted during the year. This annual decrease in these memberships may, of course, be expected so long as no effort is made to maintain the integrity of the list, which effort would not be likely to give entire satisfaction for the reason that the Museum is so generous in the privileges extended to the public that there remains very little inducement for the payment of an annual subscription.

LECTURE COURSES.—Two courses were given as usual in the autumn and spring, bringing the number of courses given by the Museum up to thirteen. The participation of Messrs. Harlan I. Smith, Stewart Culin and James Mooney in the last course was a gratifying feature, importantly connected as they are with kindred institutions in the east. The attendance upon these lectures has been steadily good, and in some instances the large number of students and teachers has been observed with much satisfaction. The willingness with which well-known instructors and lecturers participate, without compensation, in these courses is an evidence of their personal sympathy with the work as well as an indication of a growing confidence in the general good that is being accomplished in this community.

Following is the twelfth course, delivered in October and November, 1899:

- Oct. 7.—“The Cliff Dwellers of Colorado, Utah, Arizona and New Mexico” (Illustrated).
Mr. E. H. Cooper, Denver, Colorado.
- Oct. 14.—“Hawaii” (Illustrated).
Mr. R. J. Bennett, Chicago, Ill.
- Oct. 21.—“A Cruise Among the Antilles—Porto Rico” (Illustrated).
Dr. C. F. Millspaugh, Curator, Department of Botany.
- Oct. 28.—“A Cruise Among the Antilles—Cuba” (Illustrated).
Dr. C. F. Millspaugh, Curator, Department of Botany.
- Nov. 4.—“Some Curious Insects” (Illustrated).
Mr. E. B. Chope, Assistant in Department of Zoology.
- Nov. 11.—“Fishes and Fishing on the Pacific Coast” (Illustrated).
Dr. S. E. Meek, Assistant Curator, Department of Zoology.
- Nov. 18.—“The Katcinas of the Hopi Indians” (Illustrated).
Rev. H. R. Voth, Missionary to the Hopi Indians.
- Nov. 25.—“The Eskimo” (Illustrated).
Dr. George A. Dorsey, Curator, Department of Anthropology.

The following is the thirteenth course, delivered in March and April, 1900:

- March 3.—“The Age of Steel” (Illustrated).
Mr. H. W. Nichols, Assistant Curator, Department of Geology.
- March 10.—“Conditions of Life in Inland Lakes” (Illustrated).
Dr. E. A. Birge, Professor of Zoology, University of Wisconsin.
- March 17.—“Gigantic Fossil Reptiles from the Jurassic of Wyoming” (Illustrated).
Mr. E. S. Riggs, Assistant Curator of Paleontology.

- March 24.—“Primitive American Art with Illustrations Drawn Chiefly from Studies in Aboriginal Games” (Illustrated).
Mr. Stewart Culin, Director of the Museum of Science and Art, University of Pennsylvania.
- March 31.—“Archæological Discoveries on the North Pacific Coast of America” (Illustrated).
Mr. Harlan I. Smith, American Museum of Natural History, New York.
- April 7.—“Soyaluna, a Hopi Winter Solstice Ceremony. Stanley McCormick Expedition” (Illustrated).
Rev. H. R. Voth, Missionary to the Hopi Indians.
- April 14.—“The Yellowstone National Park” (Illustrated).
Prof. J. P. Iddings, University of Chicago.
- April 21.—“The Sand Dunes of Lake Michigan and Their Vegetation” (Illustrated).
Dr. Henry C. Cowles, University of Chicago.
- April 28.—“Indian Tribes of the Great Plains” (Illustrated).
Mr. James Mooney, Bureau of Ethnology, Washington, D. C.

There are now on hand 2,022 slides, classified as follows :

Anthropology,	412
Botany,	498
Geology,	575
Zoology,	405
General,	132
	2,022

PUBLICATIONS.—During the year ten publications were issued and also the second part of Prof. Cory’s “The Birds of Eastern North America.” It is expected that valuable additions will be made to the Museum publications during the ensuing year, four important papers being now in preparation by the Museum staff. The system of distributing the publications remains the same as in the past except in the matter of return acknowledgments. A private mailing card is now inserted in each publication, to be returned as an acknowledgment instead of the paper form used heretofore. This form has demonstrated its usefulness economically, and has given general satisfaction both to the Museum and to the recipient.

The following is a list of the publications issued and a table showing their distribution during the year:

“The Birds of Eastern North America.” Land Birds. Part II. Key to the Families and Species. By Charles B. Cory. Special edition printed for the Field Columbian Museum. 256 pages, edition 1,000.

Pub. 40.—Zool. Ser., Vol. 1, No. 16. “List of Mammals obtained by Thaddeus Surber, Collector for the Museum, chiefly in Oklahoma and Indian Territories.” By D. G. Elliot. 13 pages, edition 1,000; illustrations 4 (half-tones).

Pub. 41.—Zool. Ser., Vol. 1, No. 17. “Notes on a Collection of Fishes and Amphibians from Muskoka and Gull Lakes.” By S. E. Meek. 5 pages, edition 1,000; no illustrations.

Pub. 42.—Report Ser., Vol. 1, No. 5. “Annual Report of the Director to the Board of Trustees for the year 1898-99.” 74 pages, edition 2,000; illustrations 14 (13 half-tones and one zinc etching).

Pub. 43.—Bot. Ser., Vol. 2, No. 1. “Plantæ Utowanæ.” Plants collected in Bermuda, Porto Rico, St. Thomas, Culebras, Santo Domingo, Jamaica, Cuba, the Caymans, Cozumel, Yucatan and the Alacran Shoals. December, 1898 to March, 1899. By Charles F. Millspaugh. 110 pages, edition 1,000; illustrations 1 (zinc etching).

Pub. 44.—Geol. Ser., Vol. 1, No. 7. I. “New Mineral Occurrences.” II. “Crystal Forms of Calcite from Joplin, Missouri.” By O. C. Farrington. 21 pages, edition 1,000; 22 illustrations (two half-tones and 20 zinc etchings).

Pub. 46.—Zool. Ser., Vol. 3, No. 1. “Description of an Apparently New Species of Mountain Goat.” By D. G. Elliot. 5 pages, edition 1,000; 5 illustrations (half-tones).

Pub. 47.—Zool. Ser., Vol. 3, No. 2. “The Genus *Eupomotis*.” By S. E. Meek. 8 pages, edition 1,000; no illustrations.

- Pub. 48.—Bot. Ser., Vol. 1, No. 6. "Plantæ Insulæ Ananasensis. A Catalogue of Plants Collected on the Isle of Pines, Cuba, by Don Jose Blain." By Charles F. Mills-
paugh. 18 pages, edition 1,000; no illustrations.
- Pub. 49.—Zool. Ser., Vol. 1, No. 18. Index to Vol. 1, Nos. 1 to 17.
14 pages, edition 1,000; no illustrations.
- Pub. 50.—Bot. Ser., Vol. 2, No. 2. "Plantæ Utowanæ." Plants
collected in Bermuda, Porto Rico, St. Thomas, Cule-
bras, Santo Domingo, Jamaica, Cuba, the Caymans,
Cozumel, Yucatan and the Alacran Shoals. Decem-
ber, 1898, to March, 1899. By Charles F. Mills-
paugh. 23 pages, edition 1,000; illustrations 29 (zinc etch-
ings).

RECIPIENTS—OFFICIAL:

Trustees,	15
Staff,	10
Corporate Members,	3
Honorary Members,	3
Annual Members,	350

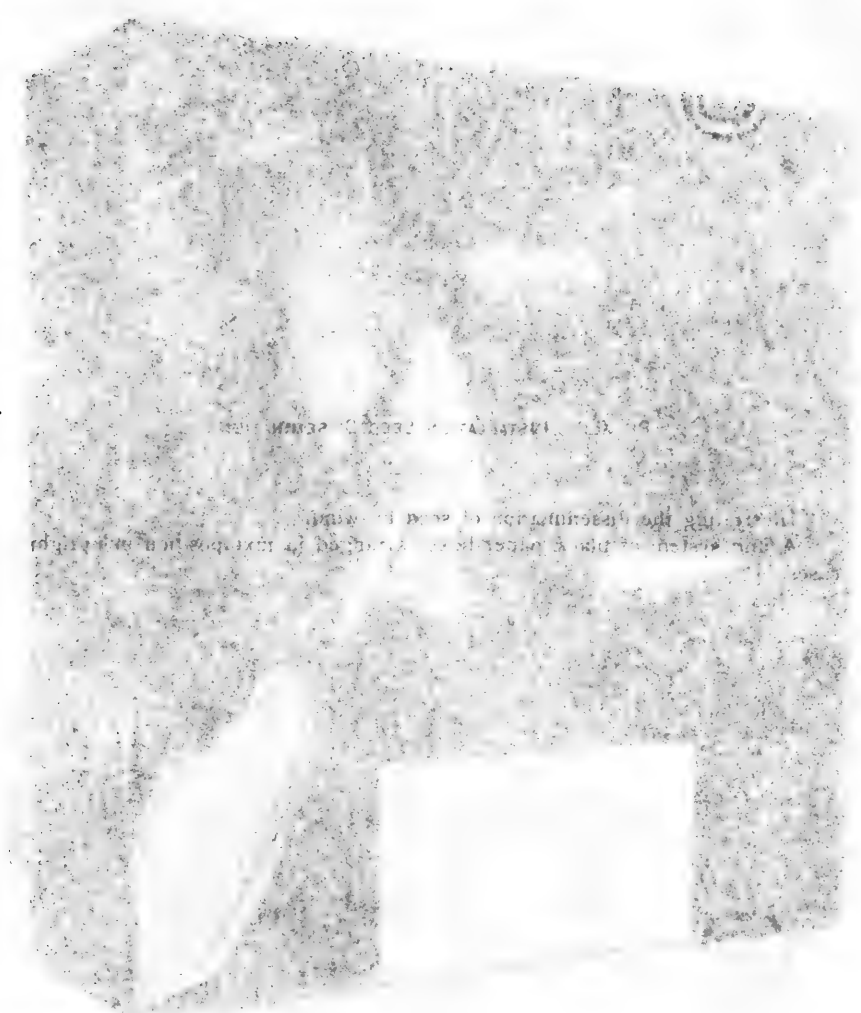
RECEIVED PUBLICATIONS IN ALL DEPARTMENTS:

	Domestic.	Foreign.
Individuals,	9	9
Universities, Schools and Colleges,	57	37
Museums and Gardens,	6	37
Academies and Institutes,	30	18
Societies,	24	49
Libraries,	59	27
Government and State Departments,	10	2
Journals,	11	16

RECEIVED PUBLICATIONS IN ONE OR MORE DEPARTMENTS:

	DOMESTIC.							
	*A.	B.	G.	H.	I. A.	O.	T.	Z.
Individuals,	79	55	109	5	..	10	1	37
Universities, Schools and Colleges,	3	27	10	7	2	1	1	28
Museums and Gardens,	9	6	6	..	..	..	..	7
Academies and Institutes,	3	2	2	1	7	..	2	1
Societies,	11	13	11	13	3	4	4	12
Libraries, . . . . .	..	2	1	18	..	..	..	1
Journals,	12	9	6	..	..	2	2	4
Government and State Departments,	1	8	16	4	..	..	..	14

*A., B., G., H., I. A., O., T. and Z. denote Anthropology, Botany, Geology, History, Industrial Arts, Ornithology, Transportation, and Zoology.



PL. XLII. INSTALLATION SEED DISSEMINATION.

Illustrating the dissemination of seed by wind.

A unit system of black paper boxes arranged in juxtaposition in upright cases.



INSTALLATION ILLUSTRATING SEED DISSEMINATION—FIELD COLUMBIAN MUSEUM.

	FOREIGN.								
	*A.	B.	G.	H.	I.	A.	O.	T.	Z.
Individuals,	50	27	51	..	..	..	5	..	21
Universities, Schools and Colleges, . . . . .	..	..	5	..	..	..	1	..	9
Museums and Gardens,	10	5	5	..	..	..	1	..	5
Academies and Institutes,	3	..	7	..	..	..	1	..	..
Societies,	12	5	18	..	..	..	3	1	25
Libraries,	1	..	..	..	..	..	..	..	..
Journals,	12	2	5	..	..	..	3	..	2
Government and State Departments, . . . . .	..	5	13	..	..	..	..	..	6

In the matter of the exchange of contemporaneous publications, the Director of the Museum requests that all publications from other Institutions, Societies, Organizations, or individuals intended to be given to this Museum, in exchange for its publications or otherwise, be directed to the Library of the Field Columbian Museum and not to the departments, or to any individual upon the staff.

THE LIBRARY.—The accessions in the library during the year were 881 volumes and 2,360 pamphlets. Most of these acquisitions were received in exchange for the Museum publications. It is gratifying to be able to state that not only have the Museum correspondents promptly sent their current publications, but in many instances they have readily volunteered to supply back numbers, in order to complete sets. A demand for more standard works of reference relating to the departments represented in the Museum still remains. The most notable accession to the library was the splendid gift from Mr. Edward E. Ayer of his carefully selected Ornithological library, numbering approximately 400 volumes, many of them rare and all of the highest value. Special book cases were built for their installation, and also a special standing case for the set of Audobon. The author and shelf list catalogues are kept up to date. In the General Library much labor has resulted from the almost constant shifting of books to make room for accessions. To provide required space in the central room 348 books and pamphlets on Economic Geology were transferred to the branch library located in the Department of Geology. Three hundred and eighty books have been received from the binders. There are now 23,000 titles in the John Crerar Library Duplicate Catalogue. The total number of volumes and pamphlets in the library at this time reaches 24,349, distributed as follows:

	Books.	Pamphlets.
General Library,	8,124	10,519
Department of Anthropology,	178	85
Department of Botany,	402	244

*A., B., G., H., I. A., O. T. and Z. denote Anthropology, Botany, Geology, History, Industrial Arts, Ornithology, Transportation, and Zoology.

	Books.	Pamphlets.
Department of Geology,	1,463	2,687
Department of Ornithology,	368	....
Department of Zoology,	279	....

RECORDS.—No changes have been made in this department, the original system adopted being still maintained. The abandonment of the Department of Columbus Memorial entailed an unusual amount of labor. Receipts were obtained for all of the material distributed and the records show where and when each specimen was distributed. The total number of specimens accessioned during the year has been 64,921 and classified as follows :

	No. of Accessions.	No. of Specimens.
Gifts,	125	5,783
Loans,	1	15
Exchanges,	36	4,348
Collected,	58	11,216
Purchase,	65	43,558
Deposit	1	1
	<hr/> 286	<hr/> 64,921

DEPARTMENTAL CATALOGUING, INVENTORYING AND LABELING.—With a few minor exceptions all the specimens in Geology are now numbered and catalogued and records of them are filed. Newly descriptive labels were provided for the series of framed enlargements of the cuts illustrating mining in the sixteenth century. Several hundred large specimens which had been imperfectly labeled were provided with descriptive labels. Many single collections were also fully labeled, of which might be mentioned the Mazon Creek fossils, local Niagara fossils and dinosaur remains. In the Department of Zoology an unusual number of labels has been written, the total exceeding those of any previous year. The system of cataloguing in the Department of Botany has been considerably improved by the introduction of a new system requiring but little clerical work to keep it up to date. In this connection the report of the Curator of the Department of Botany is given in full :

“The method of handling incoming material is as follows : Upon receipt of a collection a blank form of accession giving the date of receipt, collector’s name, locality represented, number of specimens and how acquired, is filled out and deposited with the Recorder of the Museum. The collection is then stored away until its turn for installation. When laid out for mounting, the labels are permanently attached to the sheets, the plants are placed upon them, and all are superimposed in an open-ended box ready for consecutive handling by the mounter. After mounting, the sheets are arranged in the

order of the collector's numbers and so entered in the record volume then in use, the corresponding serial catalogue number of the volume being placed upon each sheet as entered. (The catalogue numbers commence at unity in Vol. 1, and continue unbroken through all succeeding volumes.) Should a previous collection, or even a single specimen, made by the same collector in the locality have already been entered in the catalogue, the last entry of that collection is referred on to the first entry of the new lot, a rubber stamp reading: 'To Vol. . . , page . . ,' being used for this purpose, thus rendering the catalogue of each collector's material virtually consecutive. Immediately upon the completion of the entry an index and is made out, or the old card changed, to include the new lot. The form of the card is as follows:

MILLSPAUGH, DR. C. F. Locality.	—Begins—		—Ends—		Total Specimens.
	Vol.	Page.	Vol.	Page.	
New York,	2	80	22	70	895
West Virginia,	5	121	22	70	713
Yucatan, Mexico,	10	84	16	89	307
Cuba, West Indies,	5	127	16	90	152
St. Thomas, West Indies,	16	19	16	29	202
Porto Rico, West Indies,	16	7	16	90	352
Arizona,	18	81	18	88	154
Jamaica, West Indies,	16	45	16	90	147
Grand Cayman, West Indies,	16	62	16	90	173
Forward,					

"The two last columns are filled out in pencil, as they are subject to change at any time. In association with these 'Collector's Cards' another set is kept for the geographic localities as follows:

CUBA, WEST INDIES. Collector.	Vol.	Page.	Specimens.
Wright, Charles,	4	166	62
Wright & Sauvalle,	20	146	6
Combs, Robert,	4	34	615
Millsbaugh, Dr. Charles F.,	5	127	152
Schott, Dr. Arthur,	6	179	50
Torralbas, Jose,	20	167	1
Exposition, W. C.,	2	90	84
Matthews, G. F.,	18	59	1
Rugel, F.,	20	145	1
Forward,			

"On these cards only the last column is kept in pencil, it being the only one subject to change. The first column refers to the initial entry of specimens received from each collector, any later additions being referred to at the end of the preceding lot entered.

The work of keeping up such a series of cards is infinitely slight, while the status of the collections is thereby positively known, and ready reference to all collectors and localities represented in the collections is at the hand of any one desiring to use the material. As to the time required to keep such systematic records no details can be given, but the fact that over 50,000 specimens have been mounted and distributed, and over 80,000 recorded, by two persons in five years, while attending to the various duties of this department, will serve to give some idea of this work."

The year's work in the Museum on catalogues and inventoring is shown in detail as follows :

DEPARTMENT.	No. of Record Books.	Total No. of Entries to Sept. 30, 1900.	Entries during 1899-1900.	Total No. of Cards of Cards Written.
Anthropology,	20	41,663	9,372	42,291
Botany,	31	81,810	12,070	2,600
Geology,	11	26,170	4,214	6,000
Library,	5	24,249	4,760	12,500
Ornithology,	3	11,069	.....	.....
Photography,	4	6,392	1,466	.....
Zoology,	20	23,238	1,936	11,600

ACCESSIONS.—Very important accessions have been received by the Museum during the year. The most notable in the Department of Anthropology were the Perrine collection, from the quarry sites of Union County, Illinois, containing many of the finest chipped and polished stone implements ever brought together; a collection of over 1,000 objects from prehistoric graves in Chile, presented by Mr. Cyrus H. McCormick; a large collection from the Swiss Lake dwellings, consisting of a fine series of ornaments, utensils, bronze, bones, stones, etc., presented by Vice-President Ryerson; over 3,000 objects illustrating the archæology and ethnology of the Hopi, being the result of the four Stanley McCormick expeditions; and a collection of 2,000 ethnological specimens from various tribes in the western states, acquired by the Museum expeditions. The purchase of the Patterson herbarium containing 30,000 specimens of North American plants was a most noteworthy contribution to the Department of Botany. A series of selected duplicates containing 1,018 specimens, representing the collections of Miss Eastwood in California and Colorado, was also a highly prized addition. The sets of plants newly collected by Messrs. Clute, Heller, Poland, Pringle and Ricksecker were also purchased. Most of the accessions in the Department of Zoology were secured by the Museum's collector in the field. A Canon Diablo meteorite, weighing 76 pounds, from the Edward E.

Ayer Pioneer Hose Company of Phoenix, Arizona; specimens of the Allegan, Oakland and St. Genevieve County meteorites; representative series of quartz geodes of the Keokuk beds; the collection of fossil dinosaurs obtained by Assistant Curator Riggs, and a representative series of cave formations obtained by Curator Farrington, have been added to the collections in the department of Geology. Through the generosity of Mr. W. J. Chalmers, funds were provided which enabled the department to prepare a collection of crystals of the United States minerals for exhibition at the Paris Exposition. At the close of the exposition the collection will be returned to the Museum. It was awarded a silver medal.

EXCHANGES.—This system of obtaining material is still found advantageous, and exchange relations have been sustained with an increased number of institutions both at home and abroad during the year. Amongst such institutions may be mentioned the following: The British Museum, London; the Free Museum, Liverpool; Grey Herbarium, Cambridge; Hof Museum, Berlin; the Botanical Gardens, Natal, South Africa; the Institute of Mines, St. Petersburg, Russia; Hope Botanical Gardens, Jamaica; besides a number of prominent individual collectors. The number of specimens sent in exchange during the year was 1,596, representing 21 transactions. The number of specimens received in exchange was 4,348, representing 28 transactions.

EXPEDITIONS AND FIELD WORK.—An unusual amount of work has been done during the year in the field. The following is a list of the expeditions:

Locality.	Collectors.	Material.
Ozark Mountains, Arkansas,	H. W. Nichols, . . .	Zinc Ores.
Six Nation Reserve, Canada,	S. C. Simms, . . .	Ceremonial Paraphernalia, Domestic Utensils, Yarns, etc., etc.
Pacific Coast States, . . .	George A. Dorsey, . .	Ethnological material from Shoshone and other stocks.
Union County, Illinois, . .	Dr. W. A. Phillips, . .	Aboriginal quarry and Shop site material.
Western Colorado,	E. S. Riggs,	Fossil Dinosaurs.
Muskoka Lakes, Ontario, Canada,	S. E. Meek,	Fishes, Reptiles, Insects and Mammals.
Southern Indiana,	O. C. Farrington, . .	Cave formations.
Ontario, Canada,	S. E. Meek,	Fishes, Reptiles, Insects and Mammals.

Locality.	Collectors.	Material.
Little Lower Colorado River, Arizona,	J. A. Burt,	Archæological material, Exploring prehistoric Hopi ruins.
Province of Tusayan,	Charles L. Owen,	Archæological material from prehistoric Hopi ruins.
Little Lower Colorado River, Arizona,	J. A. Burt,	Archæological material, Exploring prehistoric Hopi ruins.

In connection with field work, emphatic and grateful mention should be made of the valuable aid received from Mr. Stanley McCormick for continuing the work among the Hopi Indians. The Curator of the Department of Zoology says: "The value of field work has never been more thoroughly demonstrated than during the past year, when in the Department of Zoology, of the total accessions more than one-half were acquired by collectors in the field. The work of the department covered Muskoka Lakes, Ontario, New Brunswick and Quebec, Canada, and Florida. At the present time the department has but one collector in the field, while several collectors in different parts of the United States could be employed with great advantage. Many of our mammals are annually becoming scarcer and more difficult to obtain, and of these the Museum has yet to acquire a large number. Of many of these sufficient should be obtained for special installation in groups with requisite accessories, and the only method of procuring the specimens in the condition and of the age required is to seek them in their habitat." The Curator of Anthropology says: "The event of unusual importance has been the additional interest manifested in the department by the gift of Mr. Stanley McCormick of \$5,400 for the purpose of making more complete the Hopi exhibit. Under this fund four expeditions have been undertaken. Assistant Burt spent December and January in the exploration of several Hopi ruins along Little Colorado River, Arizona, and as a result the exhibits showing the ancient life of the Hopi have been increased by over 300 fine specimens of pottery, bone, stone, shell, and textile fabrics. Part of this collector's time was spent in examining ruins hitherto not represented in scientific museums, and while the full significance of his discoveries is not yet determined, it is safe to say that new factors have been added to our knowledge of the early movements of certain Hopi clans. The second McCormick expedition was that of the Curator and Mr. Voth in December to six of the Hopi pueblos, at which time notable additions



HOPÍ SHRINE AT CORN ROCKS, MIDDLE MESA—STANLEY MCCORMICK EXPEDITION

were made to the collections illustrative of the modern life of their occupants. While these additional specimens cover nearly every phase of activity, of special interest are the series of rare dolls, masks, prayer-sticks and pipes. The third McCormick expedition was in charge of Assistant Burt, who spent two months in completing investigations begun earlier in the year on the lower Little Colorado River, Arizona. As a result of this expedition a large amount of material was added from graves and house ruins of the prehistoric Hopi, thus extending the collections into a hitherto unexplored region. The fourth McCormick expedition was in charge of Assistant Owen, who left Chicago early in May and is at present in the field, it being expected that he will not return until early in December. The object of this McCormick expedition is to make a careful and extensive exploration of about fifteen Hopi ruins, eight of which have never before been disturbed. It is too early yet to predict the final result of this expedition, but it is confidently expected that over 2,500 objects will be added to the already extensive prehistoric Hopi collections and that our knowledge of the early distribution of the Hopi will be materially increased. As a result of the work done up to the present time over forty boxes of material have been received by the Museum." The Curator of the Department of Geology says: "In continuation of the work of collecting zinc and lead ores for the Paris Exposition, Assistant Curator Nichols spent several weeks in the early part of the year in the Ozark Mountains of Arkansas visiting the principal mines of the region. A representative series of ores was secured, which will revert to the Museum after the exposition. In the spring two months were spent in Paris by the Curator under appointment as Honorary Mineralogist to the Commissioner General of the United States. Opportunity was here afforded to study methods of installation and the mineral products of various countries. The work of collecting fossil dinosaurs was continued during the summer by an expedition made to Colorado by Assistant Curator Riggs and Preparator Menke. The locality worked was one hitherto unknown, but the result of the summer's visit proved most satisfactory. One leg bone found, probably a humerus, was six feet ten inches in length, exceeding by several inches any such bone ever found before and giving proof of the existence of an animal of the dinosaur type larger than was ever before described. Several vertebræ, ribs and pelvic bones of the same individual were also found. Remains of somewhat smaller dinosaurs were also secured, chiefly vertebræ and bones, including one nearly complete fore leg. About seventy negatives of quarry and landscape views were taken. In addition a representa-

tive collection of the snake and lizard fauna of the region was made and a few invertebrate fossils obtained. The courtesy of the officials of the Atchison, Topeka and Santa Fe and of the Denver and Rio Grande railroads deserves grateful acknowledgment in connection with the work of this expedition. During the month of August the Curator visited Wyandotte, Marengo and several other caves of southern Indiana, for the purpose of securing a representative series of cave formations. By the kind permission of the cave owners, and assisted by the courtesy of officials of the Chicago, Indianapolis and Louisville Railroad, a large amount of material was secured. The total number of specimens obtained was about 300, mostly stalactites and stalagmites, remarkable in many instances for their size and beauty. The Curator of the Department of Botany says: "The only field work carried on has been that of Preparator Lansing, who has continued, under the supervision of the Curator, his collection of the plants of the 'Lake Chicago Basin,' in which he has secured an addition of 512 specimens, including many rare local species, and has continued his notes on the region. This work is particularly important, as not many years hence nearly the whole distinctive plant life of the section under study will become extinct through the drainage and reclaiming of the land and the extension of the city of Chicago and surrounding suburban towns. The Curator has made two extended visits to the herbarium of the Gray Botanical Gardens at Cambridge, Mass., and that of the New York Botanical Garden, for the purpose of comparing new material with specimens, and securing drawings, tracings, and descriptions of type specimens in these institutions."

INSTALLATION, REARRANGEMENT AND PERMANENT IMPROVEMENTS.—The capacity of the mechanical force has been fully tested this year, for besides the routine work for which the force is maintained, an extraordinary amount of new work has been performed. The whole building requires constant attention, and the carpenters and painters could be kept steadily employed on general repairs if no more important work seemed to demand their labor. While the building is meeting the demands upon it most remarkably, and is in a state of preservation that no one anticipated could be maintained for five years after the close of the exposition, yet it is gradually failing, and the greatest watchfulness is required to anticipate growing weaknesses and to foresee necessary repairs. At the request of the president, D. H. Burnham & Co., the well-known architects, made a careful examination of the building, followed by a report in writing containing valu-



CHALMERS' COLLECTION OF CRYSTALS OF UNITED STATES MINERALS—EXHIBITED AT PARIS EXPOSITION OF 1900—FIELD COLUMBIAN MUSEUM.

able suggestions; the most important being that the carrying capacity of the main floor should be increased and the supports under the same strengthened. This work is in progress at the date of this report. The exterior of the building has received attention from the plasterers and painters; the improved appearance, as compared with that of the previous year, being noticeable. The roof sections resist the varying temperature and excessive rain and snow fall, wind pressure, etc., in a surprising manner, although of course it is a fact that the roof has been almost entirely reconstructed since the close of the exposition in 1893. One hundred and fifty dollars has been expended for standpipe to facilitate extinguishing fire in the dome. The year has witnessed the construction of much needed additions to the offices and laboratories of the curators of the different departments. In the Department of Anthropology a two-floor general office and workshop have been constructed, constituting, as a matter of fact, one of the most admirable improvements that have been made in the Museum. The laboratory in this department has also been extended, thus securing an entire area of 1,800 square feet. In the Department of Botany the work, aside from the changes made necessary in rearranging and adjusting to provide room for Zoology, consists entirely of the work in the Herbarium, additional floor space being acquired for this by building a gallery floor just south of the Curator's office, and on the east side of the North Court. This room adds about 540 square feet. Sixteen cases have been added to accommodate the incoming specimens. For the Department of Zoology, the laboratory constructed along the entire length of the South Gallery of the South Court has been assigned, for the present at least, to the Assistant Curator of Ichthyology. In the Department of Geology the demands of the Division of Paleontology for more working area has caused the reduction of the space occupied by the Library and the removal of a large number of books to the office of the Curator. Further facilities for working in this department must be provided, however, for the present space is most apparently inadequate.

The Curator of the Department of Anthropology reports as follows regarding the installation work in that department: "The installation of Halls 16 and 17 is completed and they are now devoted entirely to the Hopi Indians of Arizona. The contents of these two very interesting and instructive halls are due almost exclusively to the generosity of Mr. Stanley McCormick, whose purchase of the Voth collections was noted in my last report. Owing to the provision of Mr. McCormick's gift, the services of Mr. Voth were continued until May of this year. This made possible not only a very complete

labeling of the specimens, but the preparation of additional altars. As a result the two halls contain an unrivaled collection of Hopi ethnological material; the following altars: Snake, Flute, Antelope, Powalawu, Katcina, Powamu, Marau, Ooqolto, Soyol; the Ballulukonti screen; and the following groups: House group of five figures, Rabbit hunter, Hemis and Ana Katcinas of two figures each, with two figures in the Soyol altar scene, and one in the Ooqolto altar case. In the work of installation the year has been productive of much that is of a progressive nature, and one feature of the work is characteristic of the more recent trend of development in the Museum as a whole. Allusion is made to the fact that Halls 8 and 9, which since the establishment of the Museum have contained the material transferred from the exposition and known as Columbus Memorial, have been emptied of their contents and are now being installed with purely anthropologic collections. Hall 9, one of the four largest in the building, is already installed with the Egyptian collections, while Hall 8 and the hall made vacant by the transfer of the Egyptian collection are to be devoted to the continually increasing collections illustrating the culture of the more primitive non-American races. The two halls devoted to the ethnology of the northwest coast of America have also been dismantled, the collections having been carefully examined and the objects compared with collectors' original lists, and have been reinstalled in new cases in the same halls, to which will be added four ethnic groups, for which casts have already been made, illustrating certain phases of the domestic and religious life of this very interesting and complicated region." The Curator of the Department of Geology reports as follows: "The large piles of loose ore which formerly occupied the floor of Hall 72 have been removed. In their place a large central case and two pyramids have been substituted. A wall case has also been put in position against the north wall. The large ore specimens formerly piled along the walls have been installed in these cases and upon the pyramids, thus giving the hall a much neater appearance and insuring protection of the specimens. Thorough identification and cleaning of the specimens has been performed in connection with their reinstallation. A large wall case for the accommodation of specimens formerly piled along the wall has been added to Hall 79, and all of the specimens in the hall except a few of the largest are now neatly cased. Several of the collections in the hall have been rearranged to secure better lighting and more orderly grouping, and the specimens have been re-identified and cleaned. The collection of rocks and fossils accompanying petroleum, Hall 71, has been rearranged, some new material



HALL 59—MESOZOIC FOSSILS—FIELD COLUMBIAN MUSEUM.

added and the whole fully labeled. The interiors of several cases in this hall have been repainted. The collection of rocks of the Saarbrucken coal fields has been transferred to Hall 70 (coals and hydrocarbons). The use of a base for the installation of this collection which slopes from the center to two sides of the case has proved most satisfactory in the way of securing good lighting of the specimens. It is intended to substitute frequently such bases for the pyramids hitherto employed. In the place left vacant in Hall 66 by removal of the above-mentioned collection, the collection of rocks accompanying the iron ores of Lake Superior has been installed. The large map in Hall 62, showing localities of meteorite falls in the United States, has been brought up to date. New relief maps obtained by gift or purchase have been placed in position in Hall 60, space for their exhibition being secured by the removal of several wall maps which had less value. The collection of dinosaur bones made by the Wyoming Expedition of last year was cleared from the matrix and made ready for exhibition during the winter months. To provide for exhibition of the specimens, additional floor cases were placed in both Halls 36 and 59, as well as a base for mounting a hind leg. The specimens of *Dinosaur* remains now on exhibition in these halls include a hind leg and portion of the pelvic girdle of *Morosaurus*; a series of sixteen caudal vertebræ, reaching a total length of fifteen feet, of *Diplodocus*; a scapula and coracoid over five feet in length of *Morosaurus*; a femur of *Diplodocus* of about the same length and many miscellaneous vertebræ and pelvic and leg bones of *Diplodocus*, *Brontosaurus* and *Creosaurus*. A large slab of reptile tracks from Turner's Falls, Massachusetts, has been framed to insure its preservation, and placed in position in Hall 36. The exteriors of the floor cases in Hall 35 have been repainted. The laboratory of vertebræ paleontology has been enlarged by adding to it space formerly occupied by the departmental library, the book-cases from the latter having been transferred to the office. The equipment of this laboratory has been further increased by the addition of a turning lathe, bench, and sink with running water. To the departmental store-room a stack of storage trays and a mineral trimmer have been added, the latter proving especially serviceable. The temporary sheet iron stack leading from the furnace to the assay room having become worn out, a permanent brick stack has been constructed. At the same time a solid stone floor was laid and a new pot furnace for making small crucible assays built." The Curator of the Department of Botany in the prosecution of his notable work in the herbarium, extensions to which have been necessary during the year, says :

“The steady influx of specimens rendered an increase of space for cases an urgent necessity early in the year, and an extension 30 x 18 feet was planned and built over the east gallery adjoining the Curator's office. This was finished and ready for occupancy early in May. It has three large north windows, and accommodates eighteen herbarium cases of the new construction described below, twelve of the old Bebbian cases, two special research tables and a long distributing table as well. The herbarium now has a total of sixty-eight cases, containing in all 1,744 pigeon-holes. Through this enlargement the storage room was freed of much accumulated material, and its space became available for systematic arrangement. This room now contains, besides the mounting table and accessories, a continuous rack bearing sixteen large tin cases of fifteen pigeon-holes each for the poisoning and storage of duplicates preparatory to their distribution, and eighteen similar cases of trays for the storage of the larger fruits and seeds pertaining to the herbarium sheets. All of the cases in the herbarium from its inception have been constructed upon a principle that renders them as nearly air-tight as possible. The interiors are so arranged that a two-inch space exists between the face of the pigeon-holes and the door, and a like space between the perpendicular stops at their back and the back of the case itself. By this means internal circulation is complete, and as much insectifuge as may be deemed advisable can be thrown through between the stops, where it is retained free of the pigeon-holes at the bottom of the case. Here also all plant detritus automatically collects with the withdrawal and insertion of the plant fascicles as they are used. A half round groove, one-quarter of an inch deep, is run completely around the inner face of the door frame, which fits over a like bead on the inner stop; this renders the cases insect and dust proof. The doors are glass paneled, affording a comprehensive view of the contents of each case, thus avoiding the necessity of referring to an index when locating the orders. In the earlier cases two semi-circular spaces were cut from the face edge of the shelves, in order that the fascicles of plants might be readily grasped for withdrawal by one or both hands. This method is, however, open to strong objection, as the frequent grasping of the bundles breaks the plants contained and soils the genus covers as well. In order to avoid this the following scheme, converting each pigeon-hole into a drawer, has been adopted: Sheets of heavy straw-board, one inch longer than the depth of the pigeon-holes and slightly narrower, were procured, and a strip of black muslin two inches wide firmly glued on the face of one end. The reverse side was then scored half through one inch



HERBARIUM CASE—(SEE PAGE 451)—FIELD COLUMBIAN MUSEUM.

from the edge and parallel to it, and the end bent downward, thus forming a flap dropping over the face edge of the pigeon-hole. These 'slides' are placed under the fascicles in each pigeon-hole, and when pulled forward by the drop, bring the contents forward for inspection. The drops of the slides may be left blank, or order, section, or genus labels may be pasted upon them as desired. The facility with which the contents of the pigeon-holes are consulted through the use of these slides has been a daily source of comfort and a great saving of time and wear. These cases have, however, the great fault of all herbarium cases—the nuisance of swinging doors. To overcome this the Curator devised the following form, arranged internally like those described above, but with the door so constructed that it can be pushed back between the case and its neighbor, thus leaving the contents entirely free from obstruction. Twelve of such cases have been built and installed in the new room and have proven perfectly practical and satisfactory. They are nearly seven feet high, by three feet four inches wide, and contain forty-five five-inch pigeon-holes and three sliding shelves each. They are placed back to back in six separable pairs (A. A. B. B.), thus affording ample accommodation for the doors when pushed back out of the way. When set in place the pairs are held rigidly together by the tracks (c. c. e. e.) in which the doors slide; the cleats (i. i. i. i.) being fixed in place by strong screws before the metal guide-strip (c. c. e. e.) is attached. The door is hinged at g. g. to the wing piece (E. E.), which slides forth and back with it on the track, and is supported at all points in its movement by the silent pivoted caster (h). This caster is mounted in a hardwood block which serves the purpose of a check to the door when pushed back, and a foot press when locking it after closing. The operation of the door requires no more effort than that expended with the ordinary kind; it is simply opened until checked by meeting the face of the wing, then thrust away with a push. In closing it is pulled forward by the key of the lock until stopped by the rolling pins (d. d.), then swung shut. Although the door is entirely separate from the case itself, yet by the bead and groove construction mentioned above, these cases are perfectly tight when closed. When arranged side by side in the herbarium, they occupy but two inches more space than the ordinary case, while the door arrangement allows the tiers to be much closer together." The acquisition of the South Court by the Department of Zoology gave room for an expansion of exhibition material, the demands for which had existed for some time, and two fine groups have made their appearance, the Polar Bear and the Greater Koodoo. The taxidermist has in

addition to the special features upon which he has been engaged, placed on exhibition thirty-two specimens of individuals for the systematic collections in Halls 19 and 20. The large shell collection has been entirely worked over by the Assistant Curator in the Department of Zoology, and special paper block labels have been substituted for the old ones, and the value of the collection, for whatever purpose it may be considered, greatly enhanced.

PHOTOGRAPHY, ILLUSTRATION AND PRINTING.—These divisions have had a busy year, and both in the quantity and quality of work executed, have made an excellent record. The addition of microscopic appurtenances in the Division of Photography has permitted a new and important line of work to be entered upon, while the provision of new type and other facilities have brought the printing office up to a standard of considerable proficiency. Following is a statement of the work performed by the photographer :

	Negatives.	Prints.	Lantern Slides.	Developments.	Enlargements.
Department A,	134	128	148	271	..
Department B,	3	86	6	2	..
Department G,	52	65	86	34	10
Department Z,	718	691	78	..	..
Publications,	32	60	..	..	..
Lectures,	18	..	25	..	..
For Distribution,	7	45	..	..	..
Expeditions,	184	..	..	..	..
Totals,	1,148	1,075	343	307	10

The printer reports the number of label forms and other impressions are as follows :

	Labels.	Other Impressions.
Anthropology,	1,821	5,665
Botany,	312	22,100
Geology,	2,239	.....
Library, . . . . .	.....	7,005
Zoology,	2,662	5,050
Director's Office,	794	60,463

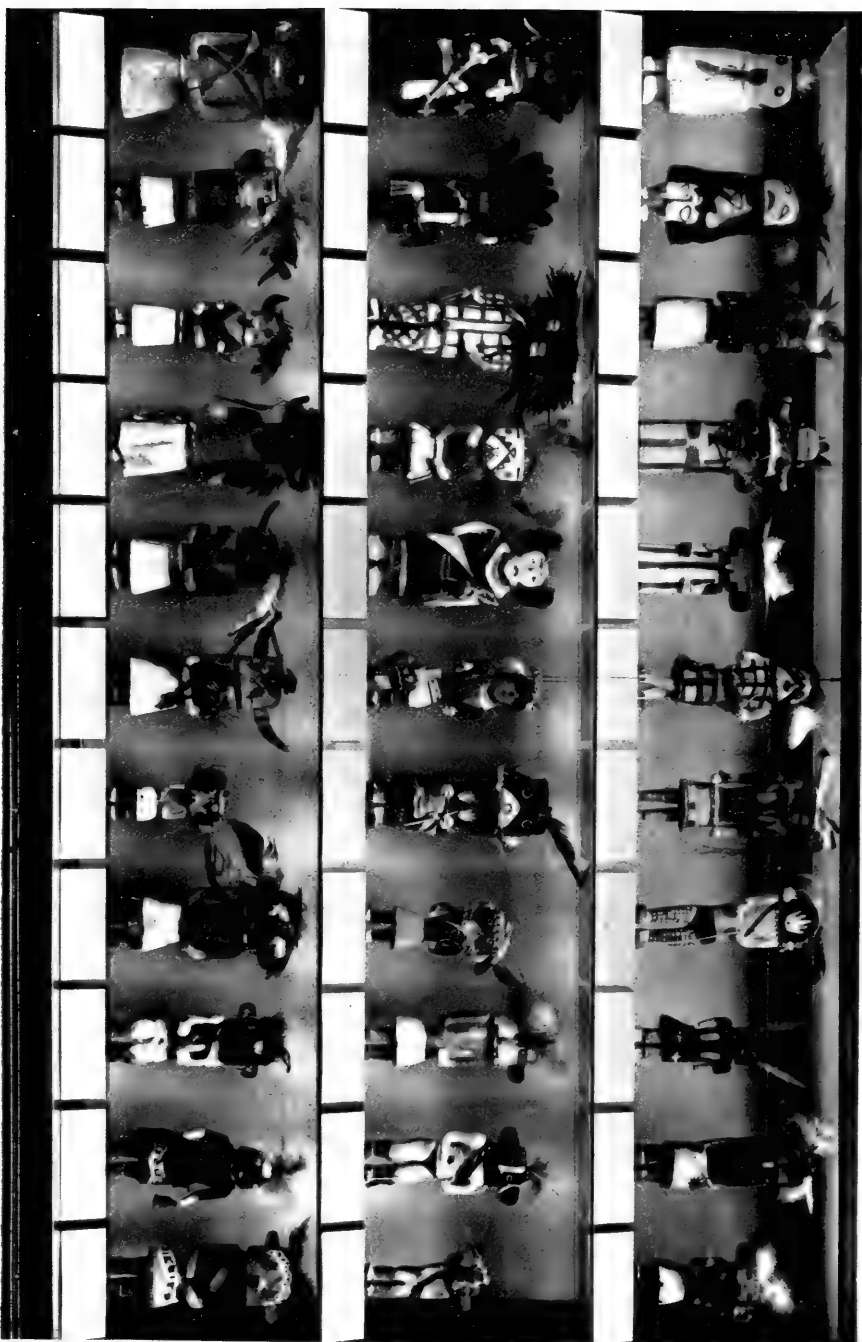
Several of these jobs were unusually large and required a great amount of time and labor. In addition the mailing list has been attended to.

ATTENDANCE.—The increase in the attendance must be considered gratifying; the figures showing an increase of 43,595 over 1899 in the total attendance for the year. The visit of the members of the Grand

Army of the Republic helped this to an extent. The Museum prepared a framed directory of the museums, galleries and libraries of the city, which has been hung in the different hotels and other public places for the guidance of visitors to Chicago. It has been noted especially during the summer just passed that a large number of people visiting the Museum were evidently strangers in the city, which leads one to the conclusion that the fame of the institution is spreading, and that it is now regarded as one of the points of attraction to those who are transient in the city. The demands of visitors for the printed guide continues with gratification, and the sixth edition made its appearance this year, somewhat improved over previous issues because of a condensation of bulk without a relinquishment of fact. Among the schools whose classes have visited the Museum in bodies during the year may be mentioned the following:

Schools and Location.	Teachers.	Pupils.
Lewis—Princeton avenue and 61st street,	1	40
J. N. Thorp—Superior avenue and 89th street,	3	80
Burr—Ashland and Wabansia avenues,	2	35
A. L. Barnard—Charles and 104th streets,	3	35
Kershaw—Union avenue and 64th street,	1	35
Normal—444 West 69th street,	1	83
J. N. Thorp—Superior avenue and 89th street,	2	79
Charles W. Earle—61st street and Armitage avenue,	4	39
Kershaw—Union avenue and 64th street,	2	30
D. S. Wentworth—Sangamon and 70th streets,	2	89
McCosh—Champlain avenue and 66th street,	1	44
McCosh—Champlain avenue and 66th street,	1	30
D. S. Wentworth—Sangamon and 70th streets,	2	89
Herman Raster—Wood and 70th streets,	1	32
Keith—Dearborn and 34th streets,	2	60
Normal—444 West 69th street,	2	34
J. N. Thorp—Superior avenue and 89th street,	2	33
Calumet High—Wright street, near 80th street,	1	34
Sherman—Morgan street and 51st court	1	34
Normal—444 West 69th street,	1	101
Hyde Park High—Kimbark avenue and 57th street,	1	116
Hyde Park High—Kimbark avenue and 57th street,	1	91
Eighty-third Street—83d street, near Illinois Central railroad,	1	37
Normal—444 West 69th street,	1	40
South Chicago High—Houston avenue and 93d street,	1	30
Normal—444 West 69th street,	1	30
Normal—444 West 69th street,	1	42
D. S. Wentworth—Sangamon and 70th streets,	1	31
Calumet High—Wright street, near 80th street,	1	32
Schley—627-653 N. Oakley avenue,	1	41
Calumet High—Wright street, near 80th street,	1	38

Schools and Location.	Teachers.	Pupils.
Normal—444 West 69th street,	2	106
South Chicago High—Houston avenue and 93d street,	1	40
Champlain—Stewart avenue and 62d street,	1	51
Normal—444 West 69th street,	3	102
Normal—444 West 69th street,	1	69
Phil Sheridan—Escanaba avenue and 90th street,	1	32
Parkside—Avenue B and 70th street,	2	37
St. Martins—West 59th street and Princeton avenue	3	55
Englewood High—Stewart avenue and 62d street,	2	232
Kosciusko—Division and Cleaver streets,	1	54
Shields—West 43d street and South Rockwell street,	2	55
Van Vlissingen, 108th place, near Wentworth avenue,	1	36
Kershaw—Union avenue and 64th street,	2	72
Fernwood—Fernwood	4	68
Fernwood—Fernwood	2	34
Chas. W. Earle—61st street and Armitage avenue,	2	33
Eighty-third Street—83d street, near Illinois Central railroad	2	39
Chas. W. Earle—61st street and Armitage avenue,	1	30
Eighty-third street—83d street, near Illinois Central railroad	3	82
McPherson—North Lincoln street and Lawrence avenue,	2	54
J. N. Thorp—Superior avenue and 89th street,	3	66
J. N. Thorp—Superior avenue and 89th street,	5	124
J. N. Thorp—Superior avenue and 89th street,	2	30
Perkins Bass Kindergarten	2	48
Moody Institute—Chicago and LaSalle avenues,		55
Eighty-third Street—83d street, near Illinois Central railroad,	2	36
Graham—Winter and 45th street,	1	36
Eighty-third Street—83d street, near Illinois Central railroad,	3	66
Graham—Winter and 45th streets,	1	38
Fallon—Wallace and 42d streets,	1	32
Hyde Park High—Kimbark avenue and 57th street,	3	57
Eighty-third Street—83d street, near Illinois Central railroad,	1	33
Pickard—Hinman street and Oakley avenue,	4	80
D. S. Wentworth—Sangamon and 70th streets,	1	41
J. N. Thorp—Superior avenue and 89th streets,	2	42
Phil Sheridan—Escanaba avenue and 90th street,	2	46
Eighty-third Street—83d street, near Illinois Central railroad,	5	91
Graham—Winter and 45th streets,	1	32
Burr—Ashland and Wabansia avenues,	2	44
Marquette—Harrison and Wood streets,	1	30
Harrison—23d place, near Wentworth avenue,	1	31
Colman—Dearborn street, near 47th street,	2	97
Fernwood—Fernwood,	1	30
Henry Clay—Superior avenue and 133d street,	2	54
Headley—Lewis street and Garfield avenue,	2	62
Sherman—Morgan street and 51st court,		87
Phil Sheridan—Escanaba avenue and 90th street,	3	68
Hawthorne—School street and Seminary avenue,	2	59
J. N. Thorp—Superior avenue and 89th street,	2	36



HOPÍ KATCINMAS OR TIHUS (1½ OF ENTIRE COLLECTION) - STANLEY MCCORMICK EXPEDITION - FIELD COLUMBIAN MUSEUM

Schools and Location.	Teachers.	Pupils.
J. N. Thorp—Superior avenue and 89th street,	1	56
Chicago Vacation—Chicago,	3	56
Chicago University—Chicago,	1	32
Chicago Institute—Chicago,	3	48
Normal Practice—444 West 69th street,	2	48

The following is a comparison of the attendance with that of the preceding year :

	Increase.	Decrease.
Total attendance,	42,595	. . .
Paid attendance,	6,663	. . .
Attendance of school children on pay days,		6
Attendance of students,		223
Attendance of teachers,		31
Attendance of members,		9
Average daily attendance, 1899,		611
Average daily attendance, 1900,		728

Herewith are submitted financial statements, analysis of attendance, lists of accessions, names of members, etc., etc.

FREDERICK J. V. SKIFF,

Director.

FINANCIAL STATEMENT.

RECEIPTS AND DISBURSEMENTS

During Year Ending September 30, 1900.

RECEIPTS.

Cash in Treasurer's hands, Sept. 30, 1899,	\$ 1,068.14
Petty Cash on hand, Sept. 30, 1899,	739.95
Dues of Members—	
Corporate,	\$ 180.00
Annual Members,	3,340.00
South Park Commissioners,	15,000.00
Interest on Investments,	8,034.43
Sundry Receipts,	1,694.40
Admission and Check Rooms,	8,192.25
Sale of Guides,	290.75
Cyrus H. McCormick—Caldera Collection,	250.00
Martin A. Ryerson—Thiessing Collection,	873.79
William J. Chalmers—Crystal Collection,	389.00
Sale of Securities,	85,000.00
	\$125,052.71

DISBURSEMENTS.

Salaries,	\$45,677.70
Guard Service,	11,910.75
Janitor Service,	6,905.23
Fire Protection,	2,817.47
Heat and Light—	
Wages,	\$3,217.12
Fuel and Supplies,	4,338.88
Additions to Plant,	355.77
	7,911.77
Repairs and Alterations—	
Wages of Carpenters, Painters and Roofers,	9,429.85
Material Used—Paints, Oils, Hardware,	
Glass, Lumber and Plaster,	1,971.87
	11,401.72
<i>Carried forward,</i>	\$86,624.74

<i>Brought forward,</i>		\$86,624.74
Furniture and Fixtures—		
Cases and Bases,	\$10,180.93	
Sundries,	434.66	10,615.59
The Library—		
Books and Periodicals,	545.06	
Binding,	330.75	
Sundries,	40.64	916.45
Sections of Printing and Photography,		1,031.06
Collections and Articles Purchased,		8,616.70
Installation Expenses,		3,146.00
General Expense Account—		
Freight, Expressage and Teaming,	1,716.16	
Stationery, Postage, Telegrams and Telephone,	997.43	
Publications,	2,558.11	
Expeditions,	3,704.25	
Sundries,	935.60	9,911.55
		<u>\$120,861.99</u>
In Treasurer's hands, Sept. 30, 1900,	3,450.77	
Petty Cash on hand, Sept. 30, 1900,	739.95	4,190.72
		<u>\$125,052.71</u>

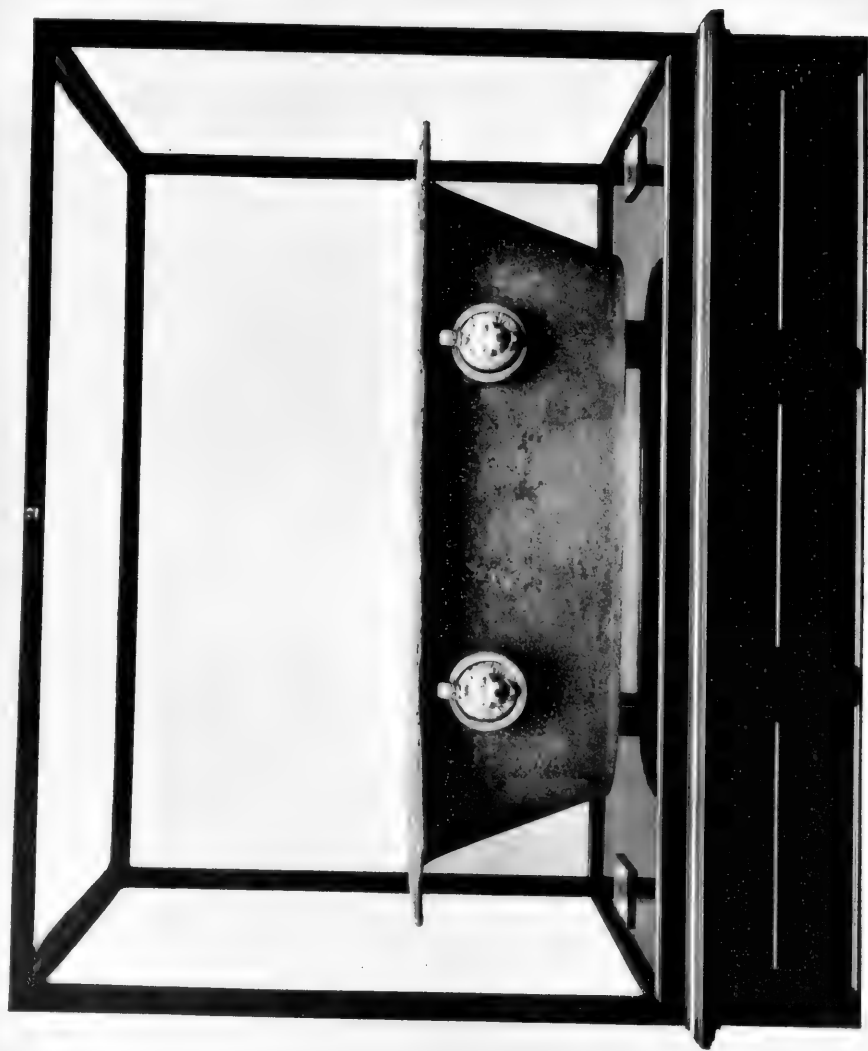
ATTENDANCE AND RECEIPTS FOR YEAR ENDING SEPTEMBER 30, 1900.

ATTENDANCE.		Total.
Paid Attendance—		
Adults,	26,855	
Children,	1,255	28,110
Free Admissions on Pay Days—		
School Children,	7,105	
Students,	1,347	
Teachers,	419	
Members—Corporate,	30	
Annual,	391	
Life,	49	
Officers' Family,	61	
* Special,	5,813	
Press,	1	15,216
Admission on Free Days—		
Saturdays,	56,717	
Sundays,	166,856	223,573
Total Attendance,		266,899
Highest Attendance on any day, (Sept. 2, 1900),	6,839	
Highest Paid " " " (Aug. 29, 1900),	1,787	
Average Daily Admissions (365 days),	728	
Average Paid Admissions (260 days),	108	

RECEIPTS.

Guides Sold—1,163 at 25 cents each,	\$ 290.75
Articles Checked—27,060 at 5 cents each,	1,353.00
Admissions,	6,839.25
	\$8,483.00

* Members of the Grand Army of the Republic.



ANCIENT BRONZE BATH TUB, VILLA BOSCA REALE, ITALY — FIELD COLUMBIAN MUSEUM.

ACCESSIONS.

FROM OCTOBER 1, 1899, TO SEPTEMBER 30, 1900.

DEPARTMENT OF ANTHROPOLOGY.

(ACCESSIONS ARE BY GIFT UNLESS OTHERWISE DESIGNATED.)

- AMERICAN MUSEUM OF NATURAL HISTORY, Central Park, New York.
1 plaster cast of rock carvings—Nanaimo, Vancouver Island—(exchange).
- ART INSTITUTE OF CHICAGO, Chicago.
97 specimens of Hildesheim and Bernay Treasures, Electrotypes—(exchange).
- AYER, EDWARD E., Chicago.
62 specimens copper coins, copper ear pendants, copper shields, whistles, serpentine idol, small carved cylinders and penates, stone celts, spear and arrow heads, etc.—Mexico.
- BRITISH MUSEUM, London, England.
66 specimens bronze celts, spear heads, stone celts, scrapers, whorls, cores, etc.—Europe—(exchange).
- BRUCE, M. W., Chicago.
2 Eskimo kyaks—Alaska.
1 Eskimo sledge—Alaska.
- CHICAGO, MILWAUKEE & ST. PAUL RAILWAY, Chicago.
3 pieces of Indian pottery—near Sunrise, Minnesota.
- FIELD COLUMBIAN MUSEUM.
Collected by J. A. Burt on Stanley McCormick Expedition:
350 specimens of pottery, bone implements, shell ornaments and various objects of stone, wood, etc., from the prehistoric Hopi ruins at Homolobi, Cheylon and Lower Little Colorado Valley.
300 specimens of pottery, stone implements, etc., resulting from excavations in ancient Hopi ruins—Lower Little Colorado, Arizona.
Collected by Geo. A. Dorsey and H. R. Voth on Stanley McCormick Expedition:
249 specimens masks, tihus, bahos, games, pipes, clothing, utensils, etc.—Hopi villages, Arizona.
Collected by Chas. L. Owen on Stanley McCormick Expedition:
150 specimens of masks, tihus, pipes, games, etc.—Hopi villages, Arizona.
2,500 specimens of pottery, stone, bone, etc., from ancient Hopi ruins of Tusayan—Arizona.
Collected by Geo. A. Dorsey:
200 ethnological specimens from the Pomos—Mendicino County, Cal.
100 ethnological specimens from Salish—Puget Sound, Wash.
42 ethnological specimens from the Sauk and Fox Indians—Iowa.
34 ethnological specimens from the Pai Ute Indians—Nevada.
2,000 specimens of quarry and shop site refuse, rejects, hammer stones, etc.—Whalen Cañon, Wyo.
48 ethnological specimens from the Nez Perce Indians, Idaho.
120 ethnological specimens from the Pomo Indians—Ukiah, Cal.
350 ethnological specimens from the Shoshoni and Arapahoe Indians—Wind River Reservation, Wyo.

- Collected by Geo. A. Dorsey:
 150 ethnological specimens from the Assinaboin and Yankton Sioux—Montana.
 300 ethnological specimens from the Klamath, Modoc, etc.—Oregon.
 64 ethnological specimens from the Sisseton and Cut Head Sioux—North Dakota.
 92 ethnological specimens from the Hoopa Indians—California.
 37 ethnological specimens from the Umatilla Indians—Oregon.
 32 ethnological specimens from the Bannock Indians—Bannock Reservation.
 75 ethnological specimens from the Gros-Ventre, Algonkin Stock—Montana.
 61 ethnological specimens from the Wasco Indians—Hood River, Wash.
 122 ethnological specimens from the Makah Indians—Neah Bay, Wash.
 115 ethnological specimens from the Ute Indians—Utah.
 2 carved house posts from Victoria, Vancouver Island, B. C.
- Collected by Dr. W. A. Phillips:
 150 specimens quarry and shop site material, aboriginal flint quarry, contents of Indian graves, etc.—Mill Creek, Ill.
- Collected by S. C. Simms:
 229 specimens archæological and ethnological material—Six Nations Reserve, Canada.
- Purchases:
 Collection from Comanche Reservation, Indian Territory, comprising 40 specimens.
 Headdress of Chief Mazway, bracelet of copper and brass wire—Matabele land, Africa.
 Collection illustrating the archæology of Southern Illinois, comprising 3,149 specimens of pottery, pipes, hammers, axes, celts, objects of shell and bone, flint hoes, spades, knives, chisels, etc.—Illinois.
 1 pair Winnebago woman's moccasins.
 1 pair gambling sticks (Arapahoe).
 1 pair gambling sticks (Cheyenne).
 2 hair braids from (Cheyenne) Indian *cut hair*.
 6 old American glass flasks.
 21 specimens stone arrow points, etc.—Michigan.
 1 buckskin shirt (porcupine work), 2 pair buckskin leggings, 2 pair buckskin moccasins, 1 painted buckskin—Dakota.
 32 specimens ethnological objects from the Winnebago Indians—Wisconsin.
- Purchased by Edward E. Ayer for the Museum:
 17 pieces of ancient glass.
 16 sections of mural decorations from Hadrian's Villa—Italy.
- FREE MUSEUM OF SCIENCE AND ART, Philadelphia, Pa.
 15 specimens, replicas of sets of games of North American Indians (exchange).
- FREE PUBLIC MUSEUM, Liverpool, England.
 76 specimens, series of material illustrating the process of manufacture of flint implements in ancient Egypt (exchange).
- HARRIMAN EXPEDITION OF 1899 to ALASKA.
 1 totem pole—Old Tongas, Alaska.
- HIGINBOTHAM, H. N., Chicago.
 Ethnological collection from Korea, comprising 734 specimens.
- HUDSON, DR. J. W., Ukiah, Cal.
 40 specimens, ethnological objects from the Pomo Indians—Ukiah, Cal. (exchange).
- HULL, WM. F., Prescott, Ariz.
 Basket containing a clay female figure, found in a cave in a range of mountains overlooking the Verdi Basin—Arizona.
- KERBER, DR. H. C., Mooresburg, Tenn.
 2 grooved stone axes—Hawkins County, Tenn.

- KRAGER, CARL, 6019 Green street, Chicago.
Large green stone celt—Fort Omaha, Neb.
- MCCORMICK, CYRUS H., Chicago.
Collection of 1,175 specimens from prehistoric graves at Caldera, Chile, comprising ornaments, implements and weapons of stone, bone, wood, shell and copper—Caldera, Chile.
- MCCORMICK, STANLEY, Chicago.
Group representing priests, etc., and altar of Soyaluña, a Hopi winter ceremony—Oraibi, Ariz. (reproduced by H. R. Voth).
Altar of the Marau fraternity, a Hopi woman's society—Oraibi, Ariz. (reproduced by H. R. Voth).
Altar of the Masililantu or Flute society—Oraibi, Ariz. (reproduced by H. R. Voth).
Group representing Altar and Mana of Oöqölto society, a Hopi woman's ceremony—Oraibi, Ariz. (reproduced by H. R. Voth).
Altar and Sand Mosaic of the Antelope society—Oraibi, Ariz. (reproduced by H. R. Voth).
Altar and Sand Mosaic of the *Powanu* society (Hopi)—Oraibi, Ariz. (reproduced by H. R. Voth).
Altar and Sand Mosaic of the Cho or Snake society (Hopi)—Oraibi, Ariz. (reproduced by H. R. Voth).
Altar and Sand Mosaic of Powalawu (Hopi)—Oraibi, Ariz. (reproduced by H. R. Voth).
Sand Mosaic of the Kacina initiation ceremony—Oraibi, Ariz. (reproduced by H. R. Voth).
- MOSELEY, ALFRED, London, England.
21 specimens, beaded purse, assegai, spears, snuff boxes, cups, ladles, spoons, armlets, etc.—Bechuanaland, Africa.
- PANDIAN, T. B., 184 Dearborn street, Chicago.
Hindu account book about 100 years old, written in Tamil upon palm leaves strung together by a cord through holes at one end of the leaves—India.
- RYERSON, M. A., Chicago.
Swiss Lakes collection, comprising 1,081 specimens of stone age, bronze and iron specimens, implements, ornaments of horn and bone, pottery, fauna and textile specimens, seeds and fruits—Switzerland.
- SAMUEL, GEO. F., Chicago.
Beaded buckskin saddle blanket, necklace of long leather strip closely ornamented with plum stones painted green—Pine Ridge Agency, South Dakota.
- SPALDING, LU READ, Kirkland, Ill.
10 stone specimens, 2 pottery fragments—Bad Lands, South Dakota.
- WICKERSHAM, JUDGE JAMES, Tacoma, Wash.
Charms and fetishes from a medicine man's basket (Apache)—Arizona.
- WILLIAMSON, GEORGE, Natchitoches, La.
54 specimens arrow and spear heads, knives, etc.—Louisiana (exchange).

DEPARTMENT OF BOTANY.

(ACCESSIONS ARE BY GIFT UNLESS OTHERWISE DESIGNATED.)

- AYER, EDWARD E., Chicago.
160 herbarium specimens—Arizona.
- BAKER, WALTER & CO., Milton, Mass.
5 dummy specimens chocolate products.
9 specimens illustrating utilization of cocoa.
- BEBB, ROBERT, Chicago.
45 herbarium specimens—Illinois and Indiana.
148 herbarium specimens—Illinois and Indiana.

CHASE, MRS. AGNES, 5515 Monroe avenue, Chicago.

5 herbarium specimens—Illinois.

23 herbarium specimens—Illinois and Indiana.

34 herbarium specimens—Illinois, Indiana and Ontario.

25 orchids and mosses of Illinois.

65 packets of fruits and seeds—Illinois.

1 specimen, fruits of *Crataegus mollis*—Illinois.

1 specimen, fruits of *Triosteum angustifolium*—Illinois.

CLARK, C. B., Kew, Surrey, England.

2 herbarium specimens typical Cyperaceæ.

ELLFELDT, W. F., Field Columbian Museum.

1 specimen fresh fungus, *Coprinus comatus*.

FIELD COLUMBIAN MUSEUM.

Collected by O. E. Lansing, Jr.:

279 herbarium specimens—Lake Michigan Basin.

91 herbarium specimens—Illinois and Indiana.

138 herbarium specimens—Illinois and Indiana.

Collected by S. E. Meek:

33 herbarium specimens—Toronto, Canada.

Collected by C. F. Millsbaugh:

42 herbarium specimens—Indiana.

Purchases:

376 herbarium specimens—Arizona.

794 herbarium specimens—Danish West Indies.

201 herbarium specimens—Florida.

20 *Cryptogams*—Florida.

268 herbarium specimens—Mexico.

45 sheets Cuban palms—Cuba.

1,000 herbarium specimens—Porto Rico.

491 herbarium specimens—Porto Rico.

133 herbarium specimens—Jamaica.

82 herbarium specimens—Mississippi.

598 herbarium specimens—various localities.

1,018 herbarium specimens—various localities.

585 herbarium specimens—Mexico.

Personal herbarium of H. N. Patterson, estimated to consist of 30,000 specimens.

FOWLER, JOHN, Kingston, Canada.

514 herbarium specimens—Ontario, New Brunswick, Nova Scotia (exchange).

191 herbarium specimens—Canada (exchange).

GRAY HERBARIUM, Cambridge, Mass.

40 herbarium specimens—Mariana, Cuba.

184 herbarium specimens—Isle of Pines.

3 specimens of *Cakile*—various localities.

122 herbarium specimens—various localities (exchange).

9 herbarium specimens (dried fruits and seeds)—Florida Keys (exchange).

HELLER, A. A., 411 W. Walnut street, Lancaster, Pa.

10 sheets Cyperaceæ—Porto Rico.

HOPE BOTANICAL GARDENS—Kingston, Jamaica.

72 herbarium specimens—Jamaica (exchange).

IOWA STATE UNIVERSITY, Iowa City, Iowa.

404 herbarium specimens—various localities (exchange).

KENIGL HOF MUSEUM, Berlin, Germany.

26 herbarium specimens—various localities (exchange).

36 herbarium specimens—Jamaica (exchange).

LANSING, O. E., Field Columbian Museum.

4 herbarium specimens—Lake Michigan Basin.

- MAC OWAN, P., Cape Town, South Africa.
1 herbarium specimen (seeds of *Cysticupnos Africana*)—South Africa.
- MERRYWEATHER, GEORGE, 601 The Rookery, Chicago.
100 herbarium specimens—North Yorkshire, England.
- MILLSPAUGH, C. F., Field Columbian Museum.
24 specimens fungi—St. Croix (collected by A. E. Ricksecker).
2 economic specimens—Illinois.
- MOHR, CHARLES, Biltmore, S. C.
3 specimens *Cakile*—Alabama and New York.
- NATAL BOTANICAL GARDENS, Berea, Durban, Natal.
113 herbarium specimens—South Africa (exchange).
193 herbarium specimens—various localities (exchange).
- NEW YORK BOTANICAL GARDEN, Bronx Park, New York City.
781 herbarium specimens—Montana, Idaho and South Dakota (exchange).
- RICKSECKER, ALFRED E., Oberlin, Ohio.
20 herbarium specimens—Island of St. Croix.
- SMALL, DR. JOHN K., Bedford Park, New York City.
5 species of *Cyperaceæ*—various localities.
- SMITH, JOHN DONNELL, Baltimore, Md.
186 herbarium specimens—various localities.
- SNYDER, MRS. MARY S., Pacific Beach, Cal.
9 sheets *Algæ*—Pacific Beach, Cal.
- TRELEASE, WILLIAM, St. Louis, Mo.
1 specimen, fruits of *Cladium Germanicum*—Germany.
- UMBACH, L. M., Naperville, Ill.
852 herbarium specimens—Lake Michigan Basin (exchange).
- UNITED STATES NATIONAL MUSEUM, Washington, D. C.
10 herbarium specimens—various localities (exchange).
- WOOD, HENRY H., Chicago.
1 complete specimen of new fibre plant, genus *Hesperalæ*—Mexico.
- YORK, P. H., Chicago.
1 package herbarium specimens (seeds of Tabasco rubber tree, *Hevea Guayanensis*—Tabasco, Mexico.

DEPARTMENT OF GEOLOGY.

(ACCESSIONS ARE BY GIFT UNLESS OTHERWISE DESIGNATED.)

- ACHESON GRAPHITE CO., Niagara Falls, N. Y.
1 specimen Graphite made from anthracite—Niagara Falls, N. Y.
- ATCHISON, TOPEKA & SANTA FE R. R., Chicago.
3 specimens Celestite—Southwest Texas.
1 specimen infusorial earth.
- ED. E. AYER PIONEER HOSE CO., Flagstaff, Ariz.
1 Cañon Diablo meteorite, weighing 76¾ lbs.
- BIRGE, CHAS. P., Keokuk, Iowa.
24 specimens, series of Quartz Geodes—Keokuk, Iowa.
- BRADBURY, DR. S. M., Grand Junction, Colo.
2 slabs containing fossil insects—Grand Junction, Colo.
1 specimen fossil leaf—Grand Junction, Colo.
- BRUCE, M. W., 996 N. Oakley avenue, Chicago.
15 bones of Mammoth and species of *Bos*—Alaska (loan).
- BUEHRMANN, OTTO, St. Louis, Mo.
2 specimens sulphur—Rabbit Hole District, Nevada.
1 specimen sulphur—Pecos Valley, Texas.

CENTRAL SCHOOL SUPPLY HOUSE, Chicago.

Relief map of Palestine.

Relief maps of North and South America, Europe, Asia, Africa, the United States and the World (exchange).

COHEN, PROF. E., Greisswald, Germany.

7 specimens Troilite, Tænite, Cohenite, Schreibersite and other meteorite minerals (exchange).

1 specimen terrestrial nickel-iron—Niakornak, West Greenland (exchange).

COX, E. V., 1203 Ashland Block, Chicago.

1 specimen lead ore—Great Slave Lake, British America.

CULMER, H. H., 5805 Madison avenue, Chicago.

3 specimens asphalt and petroleum shale—Wyoming.

DERR, H. B., 6561 Michigan avenue, Chicago.

54 specimens, Fish remains from Devonian beds—Elmhurst, Ill.

356 specimens Lower Silurian and Coal Measures fossils, representing 35 species—Cincinnati, Ohio, and La Salle, Ill. (exchange).

ELDREDGE, C. T., 700 Western Union Building, Chicago.

1 specimen Graphite—Copper Cliff Mine, Black Hills, S. D.

1 specimen Halotrichite—Copper Cliff Mine, Black Hills, S. D.

FIELD COLUMBIAN MUSEUM.

Collected by O. C. Farrington:

1 specimen quartzite—Cherbourg, France.

200 specimens stalactites and stalagmites, 10 specimens gypsum "flowers," 5 specimens cave earths—Wyandotte, Marengo, Shiloh, and Coan's caves, Indiana.

50 specimens crystallized Calcite—Coan's Cave, Ind.

20 specimens stylolites, 15 specimens invertebrate fossils—Bedford, Ind.

Collected by E. S. Riggs:

Tibia and rib (incomplete) of Mastodon or Elephas, lower jaw of Bison, portion of Deer Antler—Batavia, Ill.

Collected by E. S. Riggs and H. W. Menke:

5 tons remains of *Brontosaurus*, *Morosaurus*, *Diplodocus*, *Creosaurus* and *Camptosaurus*, 10 specimens Jurassic invertebrate fossils, 5 skulls of recent Mammals—Freezeout Mountains, Wyoming.

29 Vertebræ, scapula and coracoid of medium-sized Dinosaur, 9 vertebræ, 2 ilia, sacrum, 2 femora, 5 ribs and other bones of large Dinosaur, scapula, coracoid, nearly complete fore limb and additional foot bones of small Dinosaur, 20 specimens invertebrate fossils—Western Colorado.

Collected by H. R. Voth:

7 specimens sandstone showing ripple marks and mud cracks—near Cañon Diablo, Arizona.

Purchases:

Set of Geographical Models (3) illustrating mountains bordering the sea, coastal plain and mountains, and embayed mountains.

1 specimen crystallized gold—Colorado.

1 specimen gold and Roscoelite—Colorado.

1 glaciated mass of copper weighing 5½ lbs.—Dorr, Allegan County, Mich.

1 section of Beaconsfield meteorite, weighing 413 grams.

87 specimens, Rohn collection of rocks accompanying copper and iron ores of Lake Superior.

1 section of Murphy, N. C., meteorite, weighing 125 grams.

1 section of Tombigbee River meteorite, weighing 1,600 grams.

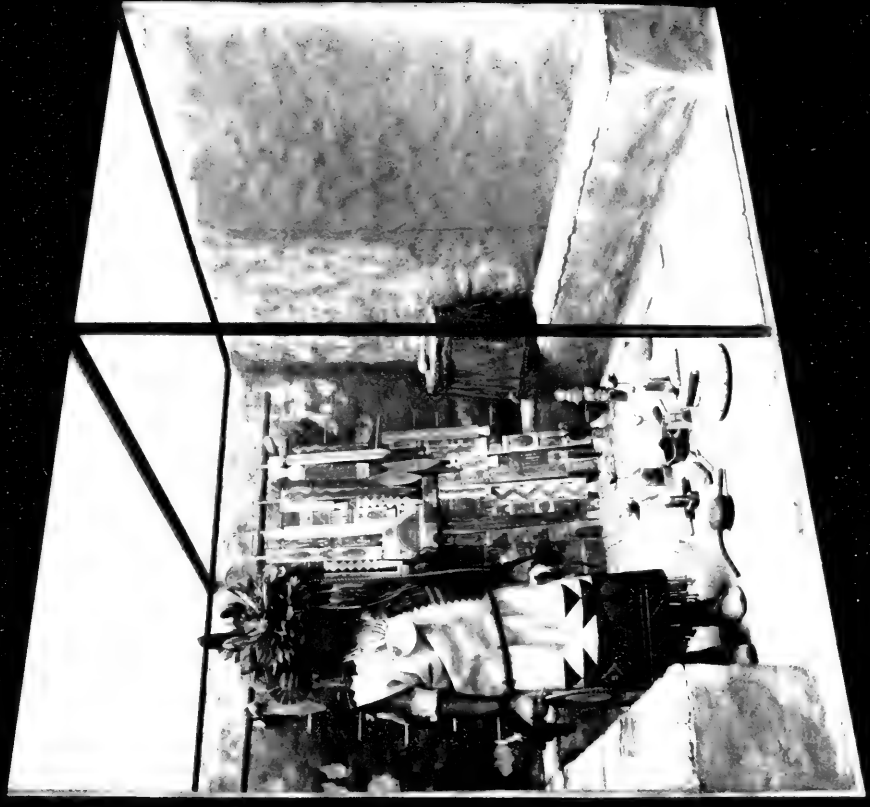
29 fossil leaves, 25 limonite concretions, 88 fragments of fossil leaves, 2 specimens Scaphites, 2 fragments Belemnites—Kansas.

20 grams Orgueil meteorite.

69 grams Jelica meteorite.

32½ grams Lissa meteorite.

1 Molar of Mammoth—near Hayes, Neb.



ORAIBI OQOQUL ALTAR AND MAID — STANLEY MCCORMICK EXPEDITION FIELD COLUMBIAN MUSEUM.

Purchases:

- 1 specimen Wulfenite—New Mexico.
 - 4 specimens Norway minerals.
 - 21 mineral specimens—chiefly from Australia.
 - 32 specimens Mexican fossils and minerals.
 - Relief map of Chicago and vicinity.
 - 1,359 specimens of invertebrate fossils—mostly from vicinity of Cincinnati, Ohio.
 - 90 specimens invertebrate fossils—Kansas and Nebraska.
 - 7 specimens minerals—Black Hills and Kansas.
 - 725 specimens Paleozoic fossils—chiefly from southern Illinois.
 - 10 specimens miscellaneous minerals and rocks—Southern Illinois.
- FISKE, JOHN, AND CASTLE, EDWARD.**
2 quartz geodes—shore of Lake Michigan, Chicago.
- GARDNER, L. R., Gillett, Colo.**
3 specimens gold ore—Gillett, Colo.
- HARRISON, E. J., 1062 Millard avenue, Chicago.**
4 specimens cave formations—Crystal Cave, South Dakota.
- HENDERSON, L. R., Viola, Wyo.**
2 specimens Graphite—Wyoming.
- ILLINOIS STEEL CO., Chicago.**
33 prints of photographs in and around steel works.
- INSTITUTE DE MINES, St. Petersburg, Russia.**
4 specimens Indarch, Augustinowka and Krasnojarsk meteorites (exchange).
- JOHNSON, W. L., 703 Fisher Building, Chicago.**
1 specimen Chalcopyrite—Wyoming.
1 specimen Chalcopyrite and Cuprite—Wyoming.
1 specimen Chalcopyrite and Bornite—Wyoming.
1 specimen Bornite—Wyoming.
- KUNTZE, OTTO, Iowa City, Iowa.**
13 mineral specimens (exchange).
- LYMAN, J. R., Bakersfield, Mo.**
1 specimen "sand carbonate" zinc ore from the Gordon & Gregg mines—Blei, Ozark County, Mo.
- McKAY, W. J., 4737 Calumet avenue, Chicago.**
3 specimens Chrysocolla—Torpedo Mine, New Mexico.
- MILWAUKEE CEMENT CO., Milwaukee Wis.**
8 specimens illustrating the manufacture of cement.
- MORONEY, JOHN J., Temple Court Building, Chicago.**
23 specimens dry press briquettes, 5 specimens stiff mud briquettes, 7 specimens sand-mold briquettes, 10 specimens clays—United States and Europe.
3 specimens briquettes. 4 specimens brick clays.
1 specimen copper ore—near Baltimore, Md.
- MORRILL, HON. CHAS. H., Lincoln, Neb.**
3 specimens volcanic ash from localities in Nebraska.
- NOTLA CONSOLIDATED MARBLE, IRON AND TALC CO., Kinsey, N. C.**
1 specimen talc—Kinsey, N. C.
- NEWARK TECHNICAL SCHOOL, Newark, N. J.**
6 specimens Apophyllite, Heulandite and Stilbite—West Paterson, N. J. (exchange).
3 specimens miscellaneous minerals (exchange).
- NICHOLAS, FRANCIS G., 43 Cedar street, New York City.**
1 specimen schist associated with gold placer deposits—United States of Colombia.
- OLIVER, O. A., 57 Washington street, Chicago.**
2 specimens peat—Gardenplain, Ill.
2 specimens peat soil—Gardenplain, Ill.

- PITTSBURGH REDUCTION CO., New Kensington, Pa.
7 specimens Beauzite—Arkansas and Georgia.
- REED, FRANK J., 198 Custom House Place, Chicago.
8 specimens Hindostan sandstone, showing mode of occurrence and varieties, 1 specimen fossil fern, 1 specimen *Lepidodendron*—French Lick, Ind.
- RIGGS, E. S., Field Columbian Museum.
100 specimens, collection of Kansas Cretaceous and Carboniferous invertebrates and miscellaneous minerals and ores.
- SALL MOUNTAIN ASBESTOS MFG. CO., 123 Ontario street, Chicago.
5 specimens crude asbestos, 1 specimen white fibre, 1 specimen yellow fibre—Sall Mountain, Sautee, Ga.
- SCOTT, GEORGE S., 737 Monadnock Building, Chicago.
1 specimen Barite—Galena, Kans.
1 specimen Chalcocite—New Mexico.
- SEEBOECK, W. C. E., 5241 Cornell avenue, Chicago.
2 specimens Houghite—Somerville, N. Y.
5 mineral specimens (exchange).
- SHEAHAN, THOS., Geneva, Ill.
1 specimen fossil limestone—Lewis County, New York.
- SPALDING, LU READ, Kirkland, Ill.
1 specimen Marcasite concretion—Chamberlin, S. D.
2 specimens Titanotherium bones—Bad Lands, S. D.
- STANTON, F. McM., Atlantic Mine, Houghton County, Mich.
1 nugget of crystallized silver, weighing 2½ ozs. (deposit).
- UNITED STATES NATIONAL MUSEUM, Washington, D. C.
13 specimens Cambrian *medusa*—Coosa Valley, Ala.
1 specimen of Allegan meteorite, weighing 86 grams (exchange).
- UNIVERSITY OF CHICAGO, Chicago.
3 specimens Thomsonite—Colorado (exchange).
1 specimen Celestite—Ohio (exchange).
- UNIVERSITY OF KANSAS, Lawrence, Kans.
1 Fibula of *Morosaurus* (exchange).
- WARD, H. A., 620 North Division street, Chicago.
1 specimen of Allegan meteorite, weighing 56 grams.
1 specimen of Oakley meteorite, weighing 263 grams.
1 etched section of St. Genevieve County meteorite, weighing 790 grams.
1 section of Costilla meteorite, weighing 1,154 grams (exchange).
- WILSON, HELEN E., 391 Thirty-third street, Chicago.
1 Septarium—Bears Cañon, near Albuquerque, N. M.

DEPARTMENT OF ORNITHOLOGY.

(ACCESSIONS ARE BY GIFT UNLESS OTHERWISE DESIGNATED.)

FIELD COLUMBIAN MUSEUM.

Purchases:

- 69 small birds.
- 2 quail.
- 1 laughing falcon.
- 1 *Tales albigularis*.
- 1 Peruvian cock of the rock.
- 1 orange-throated chatterer.
- 1 military macaw.
- 1 brown-fronted macaw.
- 177 bird skins—Philippine Islands.
- 8 herons (mounted)—Florida.

DEPARTMENT OF ZOOLOGY.

(ACCESSIONS ARE BY GIFT UNLESS OTHERWISE DESIGNATED.)

BOOTH PACKING CO., Lake and State streets, Chicago.

2 crabs.
2 lobsters.

CORY, CHAS. B., Boston, Mass.
2 rabbits—Phoenix, Ariz.

FIELD COLUMBIAN MUSEUM.

Collected by J. A. Burt:

10 lizards—Winslow, Ariz.
1 scorpion—Winslow, Ariz.
30 specimens lizards (7 species), 5 specimens horned toads, 4 specimens scorpions (2 species), 2 specimens flies, one field mouse—Winslow, Ariz.

Collected by E. B. Chope:

811 specimens insects—Chicago and vicinity.

Collected by O. C. Farrington:

2 salamanders—Wyandotte Cave, Ind.
8 larvæ of same—Wyandotte Cave, Ind.
1 cave cricket—Little Wyandotte Cave, Ind.

Collected by L. V. Kenkel:

14 gophers—Woodlawn, Ill.
28 squirrels—Ontario, Canada.
2 flying squirrels—Ontario, Canada.
9 mice—Ontario, Canada.

Collected by S. E. Meek:

10 rodents and carnivores—Hicksville, Ohio.
600 specimens fishes (26 species)—Northern Ontario.
100 specimens reptiles (12 species)—Northern Ontario.
20 specimens crustaceous (4 species)—Northern Ontario.

Collected by Chas. L. Owen:

114 beetles and bugs (various species)—Navajo County, Ariz.
113 specimens insects—Kishu, Ariz.

Collected by Thaddeus Surber:

58 rodents, 1 hare, 8 white-footed mice, 10 pocket gophers, 1 chipmunk—Florida.
28 rodents and carnivores—Florida.
40 rodents and carnivores, 13 specimens fishes, 2 reptiles, 17 insects—Florida.
82 rodents and carnivores—Florida.
63 rodents and carnivores, 12 snakes, 9 lizards—Florida.
14 rodents and carnivores, 1 snake—Florida.
2 moles—White Sulphur, W. Va.
3 squirrels—White Sulphur, W. Va.
10 rats—White Sulphur, W. Va.
122 rodents and carnivores—Province of Quebec.

Purchases:

14 rodents—Jackson Park, Chicago.
1 sea otter skeleton—Alaska.
27 rodents—Alberta, B. C.
1 marten, 1 hare, 8 white-footed mice, 10 pocket gophers, 1 chipmunk—British Columbia.
1 red fox, 4 squirrels, 1 muskrat, 1 mink, 6 bats, 2 mice, 6 Sorex (shrews)—British Columbia.
1 albino opossum—Apex, N. C.
4 African bushbuck skins.
1 elk calf skin—Olympic Mountains, Washington.
2 goats, 1 antelope, 1 gazelle—Uganda, Central Africa.
2 bats, 3 rats, 3 mice, 3 opossums—Venezuela.
1 Persian ibex—Altai Mountains, Asia.
2 musk deer—Altai Mountains, Asia.

Purchases:

- 6 zebra skins (old and young)—Philopolis, Orange Free State.
 1 zebra skin (male)—Angola, Africa.
 2 Penrice's waterbuck (male and female), 1 *Cephalophus coronatus* (antelope)—Angola and West Africa.
 72 rodents—Alaska.
 3 caribou—Alaska.
 1 mole—Lansing, N. Y.
 3 moles—Lansing, N. Y.
 2 moles—Sumas, B. C.
 26 meadow mice—Alberta, N. W. Ter.
 1 weasel—Alberta, N. W. Ter.
 11 squirrels, 1 mole, 2 rats, 8 mice—California.
 19 rodents—Texas, California and British Columbia.
 1 young white-tailed gnu—Philopolis, Orange Free State.
 2,000 specimens shells (535 species)—various localities.
- FORD, A. P., Berwyn, Ill.
 3 garter snakes—Berwyn, Ill.
 2 dekays snakes—Berwyn, Ill.
 1 green snake—Berwyn, Ill.
- FORD, JOHN, Philadelphia, Pa.
 2 species of shells—Bahamas.
- GAULT, B. T., Glen Ellyn, Ill.
 2 weasels—Du Page County, Ill.
- GLYNN, PETER, Chicago.
 1 mole—Brookdale, Ill.
- ILLINOIS UNIVERSITY MUSEUM, Champaign, Ill.
 6 specimens fishes (1 specie)—Stronghurst, Ill. (exchange).
- KENKEL, LOUIS V., 3733 Langley avenue, Chicago.
 4 mice—Jackson Park, Chicago.
- KENNEDY, VERNON SHAW, 3524 Michigan avenue, Chicago.
 6 Dalls mountain sheep skins and skulls—Cooks Inlet, Alaska.
 1 goat skull (type of *Oreamnus Kennedyi*)—Mountains at mouth of Copper River, Alaska.
- MADDREN, A. G., Palo Alto, Cal.
 1 weasel—Palo Alto, Cal.
 155 specimens fishes (40 species)—Caroline Islands.
 4 bats—Caroline Islands.
- MOENKHAUS, W. J., Chicago University, Chicago.
 4 frogs (2 species)—Cold Spring Harbor, N. Y.
 4 fishes (2 species)—Cold Spring Harbor, N. Y.
- PEARSON, C. J., Redwood City, Cal.
 1 bat, 1 tarantula, 4 toads, 17 salamanders, 10 lizards, 5 frogs—Redwood City, Cal.
- SARGENT, FREDERICK, St. Paul, Kadiak Island, Alaska.
 1 weasel—Kadiak Island, Alaska.
- STANGL, PAUL L., Bacoor, P. I.
 21 beetles—Bacoor, P. I.
 24 grasshoppers—Bacoor, P. I.
 85 insects—Bacoor, P. I.
 1 lizard—Bacoor, P. I.
- STRODE, W. S., Lewistown, Ill.
 2 bull snakes—Lewistown, Ill.
 350 specimens shells (136 species)—various localities.
- TERRY, MRS. ALBERT, 4217 Grand boulevard, Chicago.
 1 hornet's nest—near Toronto, Canada.

WASHINGTON UNIVERSITY MUSEUM, Seattle, Wash.

- 94 specimens fishes (10 species), 26 specimens reptiles (7 species)—N. W. Washington (exchange).
- 14 rodents and carnivores, 1 seal skull—Washington (exchange).
- 4 batrachians (3 species), 1 lizard—State of Washington (exchange).
- 123 specimens fishes (15 species)—Puget Sound (exchange).
- 5 rodents and carnivores—Seattle, Wash. (exchange).

WHITE, E. NORTON, 6314 Stewart avenue, Chicago.

- 295 specimens insects—Russell, Mobile County, Ala.
- 1 lizard—Russell, Mobile County, Ala.

WILLARD, F. C., Tombstone, Ariz.

- 4 lizards (4 species)—Tombstone, Ariz.
- 5 snakes (2 species)—Tombstone, Ariz.
- 8 cocoons (2 species)—Tombstone, Ariz.
- 295 insects (various species)—Tombstone, Ariz.

WISDOM, W. J., 215 E. Lake street, Chicago.

- 1 flying squirrel—Kankakee Marsh, Ind.

WISWALL, MRS. E. C., Kenosha, Wis.

- 1 shell (*Unio graniferus*)—Mississippi River.

WITHROW, CHAS. LOE B., Bocas del Toro, Colombia, S. A.

- 1 moss hair sloth—Bocas del Toro, Colombia, S. A.

SECTION OF PHOTOGRAPHY.

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FIELD COLUMBIAN MUSEUM.

Made by O. C. Farrington :

- 23 negatives, views taken in Indiana caves.
- 6 negatives, views of Paris Exposition, 1900.

Made by H. W. Menke :

- 69 negatives, field views of fossil expedition to western Colorado.
- 99 negatives, field views of Freezeout mountains, Wyoming expedition.

Made by W. H. Nichols :

- 3 negatives of Spoil banks on the Drainage canal—Chicago.

Made by Museum photographer :

- 964 negatives, miscellaneous views.
- 1,075 prints.
- 343 lantern slides.
- 10 enlargements.
- 307 negatives and films developed for other departments.
- 18 photographs mounted for other departments.

Purchases :

- 12 lantern slides "Age of Steel."

SPECIAL ACCESSIONS.

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FRASER & CHALMERS, Chicago.

- 29 coins (unidentified).

THE ADMIRAL DEWEY RECEPTION COMMITTEE, Washington, D. C.

- Bronze medal made from metal captured at Manila and struck in honor of the Admiral's return to Washington, Oct. 2, 1899.

DEPARTMENT OF TRANSPORTATION.

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- GOODRICH, ALBERT W., Chicago.
1 Mandarin war junk—China.
- HALE, DR. ALBERT B., 103 State street, Chicago.
1 Indian ox cart.

THE LIBRARY.

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Books, Pamphlets and Serials.

- ALABAMA GEOLOGICAL SURVEY, University, Ala.
Bulletin, no. 6.
Report on the Warrior Coal Basins, with maps.
- ALABAMA INDUSTRIAL AND SCIENTIFIC SOCIETY, University, Ala.
Proceedings, vol. 9, pt. 2.
- ALBERG, ALBERT, (the author), Chicago.
Frost flowers on the windows (gift).
- AMERICAN ACADEMY OF ARTS AND SCIENCES, Boston, Mass.
Proceedings, current nos.
- AMERICAN ANTIQUARIAN SOCIETY, Worcester, Mass.
Proceedings, vol. 13, pts. 1 and 2.
- AMERICAN ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE,
North Andover, Mass.
Proceedings, vol. 48.
- AMERICAN FOLK-LORE SOCIETY, Cambridge, Mass.
Journal of American folk-lore, current nos.
- AMERICAN FORESTRY ASSOCIATION, Washington, D. C.
The Forester, current nos.
- AMERICAN GEOGRAPHICAL SOCIETY, New York City.
Bulletin, current nos.
- AMERICAN INSTITUTE OF HOMEOPATHY, New York City.
Transactions, 55th session.
- AMERICAN MUSEUM OF NATURAL HISTORY, New York City.
Annual report, 1899.
Bulletin, vol. 11, pt. 2, and vol. 12.
Journal, vol. 1, no. 1.
Memoirs, vol. 3, pt. 1.
- AMERICAN ORIENTAL SOCIETY, New Haven, Conn.
Journal, vol. 20, pt. 2.
- AMERICAN PHILOSOPHICAL SOCIETY, Philadelphia, Pa.
Brinton Memorial meeting, report, 1900.
Proceedings, current nos.
- AMHERST COLLEGE LIBRARY, Amherst, Mass.
Quarterly bulletin, vol. 1, nos. 3 and 4.
- AMSTERDAM K. AKADEMIE VAN WETENSCHAPPEN, Amsterdam,
Netherlands.
Proceedings, section of sciences, vol. 1.
Verhandeligen, vol. 6, nos. 3-8.
Zittingsverslagen, vol. 7.
2 pamphlets.
- AMSTERDAM UNIVERSITEITS BIBLIOTHEEK, Amsterdam, Netherlands.
Catalogues der handschriften.
14 inaugural dissertations.



ORAIBI SOYAL ALTAR, STAR GOD AND WARRIOR PRIEST -- STANLEY MCCORMICK EXPEDITION
— FIELD COLUMBIAN MUSEUM.

- ANDOVER THEOLOGICAL SEMINARY, Andover, Mass.
Catalogue, 1899-1900.
- ANDREE, RICHARD, Braunschweig, Germany.
Globus, vols. 76 and 77.
- ANNALES DES MINES, Paris, France.
Annales, current nos.
- ANTHROPOLOGICAL INSTITUTE OF GREAT BRITAIN AND IRELAND, London, England.
Journal, vol. 2.
- APPLETON, D. AND CO., New York City (by S. E. Meek).
Eugene McCarthy: Familiar fish (gift).
- ARIZONA AGRICULTURAL EXPERIMENT STATION, Tucson, Ariz.
Bulletin, current nos. (gift).
- ARMOUR INSTITUTE, Chicago.
Year book, 1899-1900 and 1900-1901.
- ARTHUR, J. C. (the author), Lafayette, Ind.
Laboratory exercises in vegetable physiology.
13 pamphlets.
- ASA GRAY BULLETIN, Tacoma Park, D. C.
Bulletin, current nos.
- ASIATIC SOCIETY OF BENGAL, Calcutta, India.
Journal, current nos.
Proceedings, current nos.
- ASSOCIATION OF AMERICAN ANATOMISTS, Washington, D. C.
Proceedings, 12th and 13th sessions.
- AUGSBURG. NATURWISSENSCHAFTLICHER VEREIN FÜR SCHWABEN AND NEUBURG, Augsburg, Germany.
Bericht, 1898.
- AUSTRALIAN MUSEUM, Sydney, New South Wales.
Memoirs, vol. 4, pts. 1 and 2.
Records, vol. 3, pts. 6 and 7.
- AUSTRALASIA. ROYAL GEOGRAPHICAL SOCIETY, Adelaide, South Australia.
Journal, current nos.
Proceedings, vols. 2 and 3.
- AUTOMOBILE REVIEW CO., Chicago.
Journal, current nos. (gift).
- BAKER, FRANK C. (the author), Chicago.
Notes on a collection of pleistocene shells.
- BALTIMORE AND OHIO RAILROAD, Baltimore, Md.
Book of the royal blue, current nos.
- BAMBERG. NATURFORSCHENDE GESELLSCHAFT, Bamberg, Germany.
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Anglo-American pottery.
- BASCOM, FLORENCE (the author), Bryn Mawr, Pa.
Volcanics of Neponset Valley, Massachusetts.
- BEECHER, C. E. (the author), New Haven, Conn.
Two pamphlets.
- BELOIT COLLEGE, Beloit, Wis.
Annual catalogue, 53d.
- BERGENS MUSEUM, Bergen, Norway.
Aarvog for 1898, and 1899, pt. 1.
Report on Norway marine investigations, 1895-97.
5 monographs.

- BERLIN. GESELLSCHAFT FÜR ERDKUNDE, Berlin, Germany.
 Bibliotheca geographica, vol. 5.
 Verhandlungen, vol. 26, and vol. 27, nos. 1, 2, 4 and 5.
 Zeitschrift, vol. 34, and vol. 35, no. 1.
- BERLIN. KÖNIGLICHE BIBLIOTHEK, Berlin, Germany.
 Jahres verzeichniss der an den deutschen universitäten erscheinenden
 schriften, 1898-99.
- BERLIN. K. BOTANICAL GARTEN UND MUSEUM, Berlin, Germany.
 Notizblatt, nos. 20-22.
- BERLIN. K. MUSEUM FÜR VÖLKERKUNDE, Berlin, Germany.
 Veröffentlichungen, vol. 6, nos. 2-4.
- BERLIN. K. PREUSSISCHE AKADEMIE DER WIS., Berlin, Germany.
 Sitzungsberichte, current nos.
- BERLIN. VEREIN FÜR VOLKSKUNDE, Berlin, Germany.
 Zeitschrift, current nos.
- BERLIN. ZOOLOGISCHE SAMMLUNG, Berlin, Germany.
 Bericht, 1898, 1899.
 Führer, 1899.
 Mitteilungen, vol. 1, no. 4.
- BERLINER GESELLSCHAFT FÜR ANTHROPOLOGIE, Berlin, Germany.
 Zeitschrift für ethnologie, current nos.
- BERN. HOCHSCHUL-BIBLIOTHEK, Bern, Switzerland.
 4 inaugural dissertations.
- BERNICE PAUCHI BISHOP MUSEUM, Honolulu, Hawaii.
 Fauna Hawaiiensis, vol. 2, pts. 1, 2 and 3.
 Memoirs, vol. 1, no. 1.
- BEYER, G. E. (the author), New Orleans, La.
 The ivory-billed wood-pecker in Louisiana.
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 Moluscos de Costa Rica.
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- BOMBAY PRESIDENCY. DEPARTMENT OF LAND RECORDS AND
 AGRICULTURE, Bombay, India.
 Annual report of the rail and road-borne trade, 1898-99.
 Returns of the rail and road-borne trade, April to September, 1899.
- BOSTON. MUSEUM OF FINE ARTS, Boston, Mass.
 Annual report, 24th.
- BOSTON PUBLIC LIBRARY, Boston, Mass.
 Annual list of new and important books, 1898-99.
 Annual report, 1899-1900.
 Monthly bulletin, current nos.
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 Publication 13 (gift).
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 The Calchaqui.
 1 pamphlet.

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Report, 1899.
- BRITISH ASSOCIATION FOR THE ADVANCE OF SCIENCE, London,
England.
Report for 1899.
- BRITISH COLUMBIA BUREAU OF MINES, Victoria, British Columbia.
Annual report, 1899.
- BRITISH MUSEUM, London, England.
Hand-list of the genera and species of birds, vol. 1.
Report, 1899.
4 catalogues.
- BROOKLYN LIBRARY, Brooklyn, N. Y.
Annual report, 42d.
Bulletin, current nos.
- BROWN UNIVERSITY, Providence, R. I.
Catalogue, 1899-1900.
- BRUNER, LAWRENCE (the author), Lincoln, Neb.
Some notes on Nebraska birds (gift).
- BRUNET, L., Paris, France.
Revue générale des sciences, vols. 7-9, and current nos.
- BRUXELLES. ACADÉMIE ROYALE DE BELGIQUE, Bruxelles, Belgium.
Annuaire, 1900.
Bulletin, 1899, nos. 8-12, and 1900, nos. 1-4.
- BRUXELLES. SOCIÉTÉ D'ARCHEOLOGIE, Bruxelles, Belgium.
Annals, vol. 13, pts. 3 and 4, and vol. 14, pts. 1 and 2.
Annuaire, vol. 11.
- BRUXELLES. SOCIÉTÉ ROYALE LINNÉENNE, Bruxelles, Belgium.
Bulletin, current nos.
- BÜCKING, H., Strassburg, Elsass, Germany.
Beiträge zur geologie von Celebes.-
2 pamphlets.
- BUENOS AIRES. INSTITUTO GEOGRAFICO ARGENTINO, Buenos
Aires, Argentina.
Boletín, vol. 20, nos. 1-6.
- BUENOS AIRES. MUSEO NACIONAL, Buenos Aires, Argentina.
Comunicaciones, current nos.
- BUFFALO PUBLIC LIBRARY, Buffalo, N. Y.
Annual report, 3d.
Class room libraries for public schools.
- BUFFALO SOCIETY OF NATURAL SCIENCES, Buffalo, N. Y.
Bulletin, vol. 6, nos. 2, 3 and 4.
- BUFFUM, W. A. (the author), New York City.
The tears of the Heliades (gift).
- BURT, E. A., (the author), Middlebury, Vt.
Key to the genera of basidiomycetes of Vermont.
- BUSCHAN, GEORGE (the author), Stettin, Germany.
Zähne anthropologisch und morphologisch.
- CALL, R. E., Flatbush, Brooklyn, N. Y.
Call: The unionidæ of Arkansas.
Gill: Families of mammals.
Hayden: Geological atlas of Colorado.
Loew: Diptera of North America.
New York State Cabinet: Annual report, 10th.
Ohio Geological Survey: Report, 1869 and '70.
Rendu: Glaciers of Savoy.
Wyman: Shell mounds of St. John's river.

- CALCUTTA. ROYAL BOTANIC GARDENS, Calcutta, India.
Annual report on the Government Cinchona Plantation in Sikkim,
1897-'98.
- CALIFORNIA ACADEMY OF SCIENCES, San Francisco, Cal.
Proceedings, current nos.
- CALIFORNIA AGRICULTURAL EXPERIMENT STATION, Berkeley, Cal.
Bulletin, current nos.
- CALIFORNIA STATE LIBRARY, Sacramento, Cal.
Bi-monthly bulletin, current nos.
Special bulletin, no. 1.
- CALIFORNIA STATE MINING BUREAU, San Francisco, Cal.
Bulletin, nos. 13, 14, 16 and 17.
- CALIFORNIA UNIVERSITY, Berkeley, Cal.
Annual report, 1898-'99.
Bulletin of the Dep't of Geology, vol. 2, no. 6.
Catalogue of graduates, 1864-'99.
International competition for the Phœbe Hearst architectural plan.
Library bulletin, no. 12.
University chronicle, current nos.
- CAMBRIDGE. MUSEUMS AND LECTURE ROOMS SYNDICATE, Cam-
bridge, England.
Annual report, 34th.
- CAMBRIDGE PUBLIC LIBRARY, Cambridge, Mass.
Annual report, 1899.
Bulletin, current nos.
- CAMBRIDGE UNIVERSITY LIBRARY, Cambridge, England.
Report, 1899.
- CANADA. GEOLOGICAL SURVEY, Ottawa, Canada.
Annual report, 1897.
2 pamphlets.
- CANADA ROYAL SOCIETY, Ottawa, Canada.
Proceedings and transactions, ser. 2, vol. 4.
- CANADIAN INSTITUTE, Toronto, Canada.
Proceedings, current nos.
Transactions, vol. 6.
- CARNEGIE INSTITUTE, Pittsburg, Pa.
Fourth annual exhibition.
Fourth celebration of Founder's day.
- CARNEGIE LIBRARY, Pittsburg, Pa.
Annual report, 4th.
- CARNEGIE MUSEUM, Pittsburg, Pa.
Annual report, 1900.
Prize essay contest, 1899.
- CARPENTER, G. H., Dublin, Ireland.
Irish naturalist, current nos.
- CASE SCHOOL OF APPLIED SCIENCE, Cleveland, Ohio.
Catalogue, 1899-1900.
History and description.
- CATHOLIC UNIVERSITY, Washington, D. C.
Catholic university bulletin, current nos.
- CENTRAL ART ASSOCIATION, Chicago.
Arts for America, current nos. (gift).
- CEULENEER, ADOLF, DE (the author), Ghent, Belgium.
Type d' Indien du Nouveau Monde.
1 pamphlet.
- CHAVERO, ALFREDO, City of Mexico, Mexico.
Interpretación del código Borgiano.



GROUP OF GREAT KOODOO — FIELD COLUMBIAN MUSEUM.

- CHICAGO ACADEMY OF SCIENCES, Chicago.
Bulletin, vol. 2, nos. 3 and 4.
- CHICAGO ART INSTITUTE, Chicago.
Annual report, 20th.
Catalogue of twelfth annual exhibition by American artists.
Catalogues of works of H. D. Murphy, A. Herter and J. F. Raffælli.
Exhibition of works by Chicago artists.
3 catalogues.
- CHICAGO HISTORICAL SOCIETY, Chicago.
Annual report, 1899 and 1900.
- CHICAGO INSTITUTE, Chicago.
Catalogue, 1900-1901.
Preliminary announcement (gift).
- CHICAGO UNIVERSITY, Chicago.
Annual register, 1898-'99 and 1899-1900.
Journal of geology, current nos.
President's report, 1897-'98 and 1898-'99.
- CHRISTIANIA. UNIVERSITETS BIBLIOTHEKET, Christiania, Norway.
Kjerulf: Norske bergarter.
- CINCINNATI MUSEUM ASSOCIATION, Cincinnati, Ohio.
Annual report, 19th, 1899.
Catalogue of seventh annual exhibition of American artists.
Fourth annual exhibition of the society of western artists.
- CINCINNATI PUBLIC LIBRARY, Cincinnati, Ohio.
Bulletin of books added, 1899.
- CINCINNATI SOCIETY OF NATURAL HISTORY, Cincinnati, Ohio.
Journal, vol. 19, nos. 5 and 6.
- CINCINNATI TECHNICAL SCHOOL, Cincinnati, Ohio.
Annual catalogue, 1898-'99.
- CLAUSTHAL. KÖNIGLICHE BERGAKADEMIE, Clausthal, Germany.
Programm, 1899-1900.
- CLEVELAND PUBLIC LIBRARY, Cleveland, Ohio.
Annual report, 31st.
- CLIGNY, A. (the author), Paris, France.
Vertèbres et cœurs lymphatiques des ophidiens (gift).
- COLBY COLLEGE, Waterville, Me.
Annual catalogue, 1899-1900.
- COLLETT, ROBERT, Christiania, Norway.
Scientific results of the Norway north polar expedition, pt. 4.
2 pamphlets.
- COLLIERY ENGINEER CO., Scranton, Pa.
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- COLLNGE, W. E., Birmingham, England.
On some land mollusks from Java.
1 pamphlet.
- COLORADO AGRICULTURAL EXPERIMENT STATION, Fort Collins, Colo.
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- COLORADO SCIENTIFIC SOCIETY, Denver, Colo.
Bulletin, no. 2.
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Commendations for the observation of the birthdays of Washington and Lincoln.
1 pamphlet.

- COLUMBIA UNIVERSITY, New York City.
Annual report, 1899.
Catalogue, 1899-1900.
Quarterly, current nos.
- CONNECTICUT ACADEMY OF ARTS AND SCIENCES, New Haven, Conn.
Transactions, vol. 10, pt. 1.
- CONNECTICUT AGRICULTURAL EXPERIMENT STATION, New Haven, Conn.
Annual report, 23d, 1899.
Bulletin, current nos.
- COOPER UNION, New York City.
Annual report, 1899.
- CORNELL UNIVERSITY AGRICULTURAL EXPERIMENT STATION, Ithaca, N. Y.
Bulletin, current nos. (gift).
- CZERNOWITZ. FRANZ-JOSEPHS-UNIVERSITÄT, Czernowitz, Austria.
Verzeichnis der öffentlichen vorlesungen, 1900-1901.
Uebersicht der akademischen behörden, 1900-1901.
2 pamphlets.
- DARTMOUTH COLLEGE, Hanover, N. H.
Catalogue, 1899-1900.
- DAVENPORT ACADEMY OF NATURAL SCIENCES, Davenport, Iowa.
Proceedings, vol. 7.
- DAVIS, W. M., Cambridge, Mass.
Glacial erosion in the Valley of the Ticino.
4 pamphlets.
- DAWKINS, BOYD (the author), Manchester, England.
The present phase of prehistoric archæology.
3 pamphlets.
- DELAWARE COLLEGE AGRICULTURAL EXPERIMENT STATION, Newark, Del.
Bulletin, current nos.
- DENISON, CHARLES (the author), Denver, Colo.
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The tuberculosis crusade and its problems (gift).
- DEPEW, CHAUNCEY M., (the author), New York City.
The government of the Philippine islands (gift).
- DETROIT MUSEUM OF ART, Detroit, Mich.
Annual report, 1898-'99.
- DETROIT PUBLIC LIBRARY, Detroit, Mich.
Annual report, 35th, 1899.
- DEUTSCHE GEOLOGISCHE GESELLSCHAFT, Berlin, N., Germany.
Zeitschrift, vols. 51 and 52.
- DEUTSCHE GESELLSCHAFT FÜR NATUR UND VÖLKERKUNDE OSTASIENS, Tokio, Japan.
Mittheilungen, vol. 7, pt. 3, and vol. 8, pt. 1.
- DEXTER, FRANKLIN, Cambridge, Mass.
Additional observations on the morphology of the digestive tract of the cat (gift).
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Pilling: Bibliography of the Chinoookan languages.
Pilling: Bibliography of the Salishan languages (gift).
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The Dial, current nos. (gift).
- DISTRICT OF COLUMBIA PUBLIC LIBRARY, Washington, D. C.
Report, 1898-'99 (gift).

- DONALDSON, H. H., Chicago.
Observations on the weight and length of the central nervous system.
1 pamphlet.
- DRESDEN K. SAMMLUNGEN FÜR KUNST UND WISSENSCHAFT,
Dresden, Germany.
Bericht, 1896-'97.
- DREW THEOLOGICAL SEMINARY, Madison, N. J.
Year book, 1899-1900.
- EAST KENT SCIENTIFIC AND NATURAL HISTORY SOCIETY, Canterbury, Kent.
Southeastern naturalist, vol. 2, pt. 2.
- EDINBURGH MUSEUM OF SCIENCE AND ART, Edinburgh, Scotland.
Report for 1898.
- EDINBURGH ROYAL SOCIETY, Edinburgh, Scotland.
Proceedings, vol. 22, no. 6.
- EIGENMANN, C. H. (the author), Bloomington, Ind.
Contributions from the zoological laboratory of Indiana University.
Eyes of the blind vertebrates of North America, pt. 1.
The blind-fishes.
The Indiana University biological station.
- ELECTRICAL ENGINEERING PUBLISHING CO., Chicago.
Telephone magazine, current nos. (gift).
- ELECTRICIAN PUBLISHING CO., Chicago.
Western Electrician, current nos. (gift).
- ELLIOT, D. G., Field Columbian Museum.
Rainfall, flow of streams and storage.
2 pamphlets (gift).
- ELLIS, J. B., Newfield, N. J.
On new species of fungi.
- ENGINEERS' SOCIETY OF WESTERN PENNSYLVANIA, Pittsburg, Pa.
Proceedings, current nos.
- ENOCH PRATT FREE LIBRARY, Baltimore, Md.
Annual report, 14th.
Bulletin, current nos.
- ERYTHEA, Berkeley, Cal.
Erythea, current nos.
- ESSEX INSTITUTE, Salem, Mass.
Historical collections, vol. 35, no. 4, and vol. 36, nos. 1-3.
- EVANS, A. W., New Haven, Conn.
Hawaiian hepaticæ.
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- FINSCH, OTTO, Leyden, Holland.
Leyden Museum notes, vol. 22, nos. 6, 7 and 9.
- FLORIDA AGRICULTURAL EXPERIMENT STATION, Lake City, Fla.
Bulletin, current nos. (gift).
- FORBES, H. O. (the author), Liverpool, England.
On a collection of stone implements in the Mayer Museum (gift).

- FOREST AND STREAM PUBLISHING CO., Chicago.
Forest and stream, rod and gun, current nos. (gift).
- FÖRSTEMANN, E. (the author), Dresden, Germany.
Drei inschriften von Palenque.
- FRANCE. MINISTERE DE LA MARINE, Paris, France.
Bulletin de la marine marchande, vol. 1, nos. 6-10, and vol. 2, nos. 1, 2, 4 and 5 (gift).
- FRANKFORT - ON - THE - MAIN. SENCKENBERGIAN SOCIETY OF NATURALISTS, Frankfort-on-the-Main, Germany.
Berichte, 1899.
- FRANKLIN AND MARSHALL COLLEGE, Lancaster, Pa.
List of graduates, etc.
Obituary record, vol. 1 (gift).
- FRANKLIN INSTITUTE, Philadelphia, Pa.
Journal, current nos.
- FREIBERG K. SACHS. BERGAKADEMIE, Freiberg, Germany.
Programm, 1900-1901.
- FREIBURG. NATURFORSCHENDE GESELLSCHAFT, Freiburg, Germany.
Berichte, vol. 10, and vol. 11, pt. 1.
- FRIEDLANDER, R., AND SOHN, Berlin, Germany.
Naturæ novitates, current nos.
- FRITSCH, KARL (the author), Wien, Austria.
Nachruf an A. Kerner v. Marilaun.
2 pamphlets.
- FÜRBRINGER, MAX, Jena, Germany.
Vergleichende anatomie der wirbeltiere.
1 pamphlet.
- GATSCHET, A. S., Washington, D. C.
7 Mexican census reports.
- GENEVE. CONSERVATOIRE & JARDIN BOTANIQUES, Geneva, Switzerland.
Annuaire, 1898.
- GENEVE. SOCIETE DE PHYSIQUE ET D'HISTOIRE NATURELLE, Geneva, Switzerland.
Memoires, vol. 28, nos. 8 and 9.
Memoires, vol. 29, no. 7.
Memoires, vol. 30, nos. 1, 2 and 6.
Memoires, vol. 31, no. 2, and 2d pt., nos. 1 and 2.
Memoires, vol. 32, no. 8 and centenary.
Memoires, vol. 33, nos. 1, 7, 8 and 9.
- GENOVA. MUSEO CIVICO DI STORIA NATURALE, Genova, Italy.
Annali, ser. 2, vol. 19.
- GEOLOGICAL SOCIETY OF AMERICA, Rochester, N. Y.
Bulletin, current nos.
- GEORGIA AGRICULTURAL EXPERIMENT STATION, Experiment, Ga.
Bulletin, current nos. (gift).
- GIESSEN. GROSSH. HESSISCHE LUDWIGS UNIVERSITÄT, Giessen, Germany.
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15 inaugural dissertations.
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Annual report, 48th.
- PECK, C. H. (the author), Albany, N. Y.
Plants of North Elba.
- PENNSYLVANIA AGRICULTURAL EXPERIMENT STATION, State College, Pa.
Bulletin, current nos. (gift).
- PENNSYLVANIA HISTORICAL SOCIETY, Philadelphia, Pa.
Pennsylvania magazine of history and biography, vol. 23 and current nos.
- PENNSYLVANIA STATE LIBRARY, Harrisburg, Pa.
Collection of state reports, 1898-'99.
41 books.
3 pamphlets.
- PENNSYLVANIA UNIVERSITY, Philadelphia, Pa.
Annual report, 1898-'99.
University bulletin, vol. 4, nos. 3 and 4.

- PENNSYLVANIA UNIVERSITY FREE MUSEUM OF SCIENCE AND ART, Philadelphia, Pa.
Bulletin, vol. 2, nos. 3 and 4.
- PEORIA PUBLIC LIBRARY, Peoria, Ill.
Monthly bulletin, current nos.
3 pamphlets.
- PEPPER, G. H., New York City.
1 pamphlet (gift).
- PERKINS INSTITUTE and MASSACHUSETTS SCHOOL FOR THE BLIND, Boston, Mass.
Annual report, 68th.
- PHARMACEUTICAL REVIEW PUBLISHING CO., Milwaukee, Wis.
Pharmaceutical archives, current nos.
Pharmaceutical review, current nos.
- PHILADELPHIA ACADEMY OF NATURAL SCIENCES, Philadelphia, Pa.
Catalogue of duplicate books.
Proceedings, current nos.
- PHILADELPHIA COLLEGE OF PHARMACY, Philadelphia, Pa.
American journal of pharmacy, current nos. (gift).
- PHILADELPHIA COLLEGE OF PHYSICIANS, Philadelphia, Pa.
Transactions, vol. 21.
- PHILADELPHIA COMMERCIAL MUSEUM, Philadelphia, Pa.
American trade with Siam.
Notes on Paraguay.
Scientific bulletin, no. 1.
Siberia a coming market.
- PHILADELPHIA. NUMISMATIC AND ANTIQUARIAN SOCIETY, Philadelphia, Pa.
Proceedings, 1892-'98.
- PHILLIPS, W. A., Evanston, Ill.
1 pamphlet.
- PIETERS, A. J., Washington, D. C.
Farmers' bulletin, no. III.
One circular (gift).
- POLLARD, C. L., Washington, D. C.
2 pamphlets.
- PORTER, T. C., Easton, Pa.
2 pamphlets.
- PRAG. K. CARL-FERDINANDS-UNIVERSITÄT, Prag, Bohemia.
Ordnung der vorlesungen, sommer, 1900.
Ordnung der vorlesungen, wintersemester, 1899-1900, 1900-1901.
Personalstand, 1899-1900, 1900-1901.
- PRATT INSTITUTE, Brooklyn, N. Y.
Monthly bulletin, current nos.
Report, 1898-'99.
- PRESTO CO., Chicago.
Presto, current nos. (gift).
- PRESTON, H. L., Rochester, N. Y.
4 pamphlets.
- PRINCETON UNIVERSITY, Princeton, N. J.
Bulletin, current nos.
Catalogue, 1899-1900.
- PROVIDENCE ATHENÆUM, Providence, R. I.
Annual report, 64th.
- PROVIDENCE PUBLIC LIBRARY, Providence, R. I.
Monthly bulletin, current nos.

- PURDUE UNIVERSITY, Lafayette, Ind.
Annual catalogue.
Annual report, 1898-'99.
Selected views.
- PUTNAM, F. W., Cambridge, Mass.
A problem of American anthropology.
- QUEENSLAND. ROYAL SOCIETY OF, Brisbane, Queensland.
Proceedings, vol. 15.
- QUEVEDO, S. A. LAFONE, Pilciao, Catamarca, Argentina.
2 pamphlets.
- RAILWAY LIST CO., Chicago.
Railway master mechanic, current nos. (gift).
- RAILWAY REVIEW PUBLISHING CO., Chicago.
Railway review, current nos. (gift).
- RANDALL, T. A., & CO., Indianapolis, Ind.
Clay worker, current nos. (gift).
- REDWOOD LIBRARY AND ATHENÆUM, Newport, R. I.
Annual report, 169th.
- RHODE ISLAND AGRICULTURAL EXPERIMENT STATION, King-
ston, R. I.
Annual report, 12th, 1898-'99.
Bulletin, current nos. (gift).
- RICHET, CHARLES, Paris, France.
Revue scientifique, current nos.
- RIGGS, E. S., Field Columbian Museum.
Schuchert, Charles: On the lower silurian fauna of Baffin land (gift).
- RIVIÈRE, EMILE (the author), Paris, France.
La grotte des spélugues.
10 pamphlets.
- ROCHESTER ACADEMY OF SCIENCE, Rochester, N. Y.
Proceedings, vol. 3, pt. 2.
- ROME. REALE ACCADEMIA DEI LINCEI, Roma, Italy.
Atti, current nos.
- ROYAL ASIATIC SOCIETY, CHINA BRANCH, Shanghai, China.
Journal, no. 31.
- ROYAL ASIATIC SOCIETY, STRAITS BRANCH, Singapore, Straits Settle-
ments.
Journal, no. 33.
- RUSSELL, FRANK (the author), Cambridge, Mass.
Athabaskan myths.
- ST. LOUIS ACADEMY OF SCIENCE, St. Louis, Mo.
Transactions, current nos.
- ST. LOUIS PUBLIC LIBRARY, St. Louis, Mo.
New year announcement of the Bureau of Geology, 1900.
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Catalogue, 1899-1900.
- ST. VIATEUR'S COLLEGE, Bourbonnais, Ill.
The Viatorian, current nos.
- SALEM PUBLIC LIBRARY, Salem, Mass.
Bulletin, current nos.
Report for 1899.
- SAN FRANCISCO. BOARD OF PARK COMMISSIONERS, San Fran-
cisco, Cal.
Annual report, 28th, 1899 (gift).
- SAN FRANCISCO FREE PUBLIC LIBRARY, San Francisco, Cal.
Report, 1898-'99.

- SAVILLE, M. H., New York City.
4 pamphlets.
- SCHARIZER, RUDOLPH, Czernowitz, Hungary.
1 pamphlet.
- SCHMALZ, J. B., Etowah P. O., N. C.
2 pamphlets (gift).
- SCHMIDT, EMIL (the author), Leipzig, Germany.
Physische anthropologie.
- SERGI, GIUSEPPE, Rome, Italy.
3 pamphlets.
- SKIFF, F. J. V., Field Columbian Museum.
American Institute of Mining Engineers Transactions, vol. 28.
California mines and minerals.
57 pamphlets (gift).
- SMITH, FRANK, Urbana, Ill.
2 pamphlets (gift).
- SMITH, C. W., Washington, D. C.
American monthly microscopical journal, current nos.
- SMITH, G. O., Washington, D. C.
Camasland: a valley remnant.
1 pamphlet.
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A hundred new moths of the family noctuidæ (gift).
- SMITH, J. D., Baltimore, Md.
Enumeratio plantarum Guatemalensium, pt. 5.
- SMITHSONIAN INSTITUTION, Washington, D. C.
Smithsonian miscellaneous collections, no. 1173.
- SNYDER, J. F. (the author), Virginia, Ill.
The field for archæological research in Illinois.
- SOCIEDAD CIENTIFICA "ANTONIO ALZATE," Mexico, Mexico.
Memorias y revista, current nos.
- SOCIEDAD ESPAÑOLA DE HISTORIA NATURAL, Madrid, Spain.
Anales, ser. 2, vol. 8.
- SOCIETÀ GEOGRAFICA ITALIANA, Rome, Italy.
Bollettino, current nos.
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Archivio per l'antropologia, vol. 29, pts. 1-3.
- SOCIÉTÉ NEUCHATELOISE DE GÉOGRAPHIC, Neuchatel, Switzerland.
Bulletin, vol. 12.
- SOCIÉTÉ D'HISTOIRE NATURELLE DES ARDENNES, Charleville, France.
Bulletin, vol. 5.
- SOCIÉTÉ ROYALE MALACOLOGIQUE DE BELGIQUE, Bruxelles, Belgium.
Bulletins, 1899, pp. 33-128 (gift).
- SOCIÉTÉ DES SCIENCES NATURELLES DE REIMS, Reims, France.
Bulletin, vols. 1-8, 1892-'99.
- SOCIÉTÉ DES SCIENCES NATURELLES DE SAONE-et-LOIRE, Chalon-sur-Saone, France.
Bulletin, new ser., vol. 6, nos. 1-4.
- SOCIETY FOR PSYCHICAL RESEARCH, Boston, Mass.
Proceedings, vol. 15, pts. 36, 37.
- SOUTH AFRICAN MUSEUM, Cape Town, South Africa.
Annals, vol. 1, pts. 1 and 3.
Annual report, 1899.
- SOUTH AFRICAN PHILOSOPHICAL SOCIETY, Cape Town, Cape Colony.
Transactions, vol. 9, no. 1, and vol. 10, pt. 1, vol. 11, pt. 1.

- SOUTH AUSTRALIA MUSEUM**, Adelaide, South Australia.
Report, 1898-'99.
- SOUTH AUSTRALIA ROYAL SOCIETY**, Adelaide, South Australia.
Memoirs, vol. 1, pts. 1 and 2.
Transactions, vol. 16, vol. 23, pts. 1 and 2, and vol. 24, pt. 1.
- SOUTH CAROLINA AGRICULTURAL EXPERIMENT STATION**, Clemson College, S. C.
Bulletin, current nos. (gift).
- SOUTH DAKOTA AGRICULTURAL EXPERIMENT STATION**, Rapid City, S. D.
Bulletin, current nos. (gift).
- SPRINGFIELD CITY LIBRARY ASSOCIATION**, Springfield, Mass.
Annual report, 39th.
Bulletin, current nos.
Catalogue of the D. A. Wells economic library.
- STARR, FREDERICK**, Chicago.
Recent Mexican study of the native languages of Mexico.
The art of Benin city.
6 pamphlets.
- STATEN ISLAND NATURAL SCIENCE ASSOCIATION**, New Brighton, Staten Island.
Proceedings, current nos.
- STOCKHOLM. K. VENETSKAPS-AKADEMIEN**, Stockholm, Sweden.
Bihang, vol. 24.
Handlingar, vol. 31.
Ofversigt af forhandlingar, vols. 55, 56.
- STOCKHOLM. K. VITTERHETS HISTORIE OCH ANTIQUITIES AKAD.**, Stockholm, Sweden.
Antiquarisk tidskrift for Sverige, vol. 14, pt. 1.
Catalogue sommaire du Musée des Antiquites Nationales.
Der Orient und Europa.
Manadsblad, 1872-'86.
- STOEDTNER, FRANZ**, Berlin, Germany.
Katalogue von lichtbildern über Italiensche Kunstgeschichte (gift).
- STORM, GUSTAV**, Christiania, Norway.
Studier over vinlands-reiserne (gift).
- STORRS AGRICULTURAL EXPERIMENT STATION**, Storrs, Conn.
Annual report, 11th.
Bulletin, current nos. (gift).
- STRASSBURG. KAISER-WILHELMS-UNIVERSITÄT**, Strassburg, Germany.
Amtliches verzeichniss des personals, 1898-'99.
Shiftungsfest, 1898 and 1899.
Verzeichniss der vorlesungen, 1898-'99.
28 inaugural dissertations.
- STRETTON, C. E.**, Leicester, England.
Journal of the Society of Arts, current nos.
Locomotive engineers' and firemen's monthly journal, current nos.
1 pamphlet (gift).
- SYDERE, A. H.**, Toronto, Ontario.
Annual report of the clerk of forestry, Ontario, 1899.
Morris: Treaties of Canada with the Indians.
56 government reports.
- SYDNEY. BOTANIC GARDENS**, Sydney, New South Wales.
4 pamphlets.
- TABOR COLLEGE**, Tabor, Iowa.
Catalogue, 1900-1901.

- TAUNTON PUBLIC LIBRARY, Taunton, Mass.
Additions, new ser., no. 6.
Annual report, 1899 (gift).
- TAYLOR, H. W., Washington, D. C.
Index to subjects of documents and reports, 55th congress, 2d session.
Report of Daughters of the American Revolution, 1890-1897.
- TEPPER, J. G. O. (the author), Norwood, South Australia.
Observations on the propagation of *cymodocea antarctica*, with 6 other articles.
1 reprint on forestry.
Brown, H. Y. L.: Report on the geological character of Barossa and Para Wirra gold fields.
- TOKYO BOTANICAL SOCIETY, Tokyo, Japan.
Botanical magazine, current nos.
- TOOKER, W. W., Sag Harbor, N. Y.
1 pamphlet.
- TORINO. MUSEI DI ZOOLOGIA ED ANATOMIA COMPARATA, Torino, Italy.
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Atti, current nos.
Osservazioni meteorologiche, 1899.
- TORONTO UNIVERSITY, Toronto, Canada.
Studies, historical, vol. 1, pp. 77-155.
Studies, psychological, ser., nos. 2 and 3.
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- TORREY BOTANICAL CLUB, New York City.
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- TRING ZOOLOGICAL MUSEUM, Tring, England.
Novitates zoologicæ, current nos.
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Hermathena, nos. 23 and 25.
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Tübingen universitätsschriften, 1898-'99.
Vorschriften für die studierenden.
- TUFTS COLLEGE, Tufts College, Mass.
Studies, no. 6.
- TURNER, H. W. (the author), Washington, D. C.
Geological atlas of the United States, Marysville and Smartsville folios.
Granitic rocks of the Sierra Nevada.
6 pamphlets.
- UNION LEAGUE CLUB, Chicago.
Catalogue of paintings and other works of art (gift).
- U. S. AGRICULTURAL DEPARTMENT, Washington, D. C.
Annual report, 1898-'99.
Annual report, 15th, of the Bureau of Animal Industry.
Author and subject cards for Farmers' bulletin.
Author and subject cards for Yearbook.
Contributions from the U. S. National Herbarium, vol. 5, no. 4.
Experiment station record, current nos.
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North American fauna, nos. 16-18.
Yearbook, 1899.
Bulletins, 83.
Circulars, 88.

- U. S. AGRICULTURAL DEPARTMENT, FORESTRY DIVISION, Washington, D. C.
Bulletin, nos. 24-26.
Report, 1899.
- U. S. AGRICULTURAL DEPARTMENT, SOILS DIVISION, Washington, D. C.
Report, 64, 1899, with maps.
- U. S. AMERICAN REPUBLICS BUREAU, Washington, D. C.
Costa Rica, by R. Villafranca.
Monthly bulletin, current nos.
- U. S. BUREAU OF THE MINT, Washington, D. C.
Reports, 1896-'98, and 1898-'99.
Report on precious metals, 1898 (gift).
- U. S. CIVIL SERVICE COMMISSION, Washington, D. C.
Report, 1898-'99 (gift).
- U. S. COAST AND GEODETIC SURVEY, Washington, D. C.
Report, 1897-'98.
- U. S. COMMISSION OF INDIAN AFFAIRS, Washington, D. C.
Annual report of the board, 1895-'99.
Annual report of the Commissioner, 1895-'96, 1897-'98, and 1899, pt. 1.
- U. S. EDUCATION BUREAU, Washington, D. C.
Annual report, 1897-'98, vols. 1 and 2.
Helen Keller souvenir, no. 2.
- U. S. FISH AND FISHERIES COMMISSION, Washington, D. C.
Bulletin, vol. 18.
Report, 1899.
- U. S. GEOLOGICAL SURVEY, Washington, D. C.
Annual report, 19th, pts. 2, 3 and 5, with 5 atlases.
Annual report, 20th, pts. 1-7.
Bulletin, 157-162.
Mineral products of U. S. from 1889 to 1898.
Monographs 32, pt. 2, 33, 34 and 36-38.
2 pamphlets.
- U. S. INTERIOR DEPARTMENT, Washington, D. C.
Annual report of the Commissioner of Patents, 1898.
Instructions to enumerators, 12th census.
- U. S. LIBRARY OF CONGRESS, Washington, D. C.
Copyright enactments 1783-1900, bulletin 3.
Lists of books relating to Cuba, Hawaii, canal and railway routes.
4 pamphlets.
Report, 1899.
- U. S. MILITARY ACADEMY, West Point, N. Y.
Official register.
2 annual reports.
- U. S. NATIONAL MUSEUM, Washington, D. C.
Bulletin, no. 39, pts. M and N.
Proceedings, vol. 21.
Report, 1896-'97.
Report upon condition and progress, 1896-'97.
- U. S. NAVAL ACADEMY, Annapolis, Md.
Annual register, 1899-1900.
- U. S. STATE DEPARTMENT, Washington, D. C.
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Intercontinental Railway Commission reports, 1895-'98.
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Special consular reports, vols. 16-18.
- U. S. TREASURY DEPARTMENT, Washington, D. C.
Fur seals and fur-seal islands of the north Pacific ocean, vol. 3.

- UPSALA. K. UNIVERSITETS-BIBLIOTEKET, Upsala, Sweden.
Bulletin of the Geological Institution, vol. 4, pts. 1 and 2.
Från svenska borrhöggar.
Mindre kända malmfyndigheter inom Jukkasjärvi malmtrakt, with atlas.
6 pamphlets.
- UTAH. AGRICULTURAL EXPERIMENT STATION, Logan, Utah.
Annual report, 10th.
Bulletin, current nos. (gift).
- VALENTINE MUSEUM, Richmond, Va.
Annual report, 1899 (gift).
- VAN DENBURGH, JOHN (the author), Los Gatos, Cal.
1 pamphlet.
- VERMONT AGRICULTURAL EXPERIMENT STATION, Burlington, Vt.
Annual report, 12th.
Bulletin, current nos.
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Catalogue, 1899-1900.
Contributions from Department of Botany, nos. 1-5 and 7.
- VICTORIA. FIELD NATURALISTS' CLUB, Melbourne, Australia.
Victorian Naturalist, current nos.
- VICTORIA. PUBLIC LIBRARY, MUSEUMS AND NATIONAL GALLERY
OF, Melbourne, Australia.
Letters from Victorian pioneers.
- VICTORIA. ROYAL SOCIETY OF, Melbourne, Australia.
Proceedings, vol. 11, pt. 2, and vol. 12, pts. 1 and 2.
- VICTORIA. ZOOLOGICAL AND ACCLIMATISATION SOCIETY, Mel-
bourne, Australia.
Annual report, 36th.
- VIGNOLI, TITO, Milano, Italy.
1 pamphlet (gift).
- VIRCHOW, HANS (the author), Berlin, Germany.
Apparat zur kontrolle von Röntgenbildern.
- VIRGINIA UNIVERSITY, Charlottesville, Va.
Catalogue, 1899-1900.
- VOLTA BUREAU, Washington, D. C.
Specimens of a dictionary of signs for the deaf and dumb.
- VOTH, H. R. (the author), Oraibi, Ariz.
Oraibi marriage customs (gift).
- WABASH COLLEGE, Crawfordsville, Ind.
Catalogue, 1899-1900.
- WASHINGTON ACADEMY OF SCIENCES, Washington, D. C.
Proceedings, current nos.
- WASHINGTON BIOLOGICAL SOCIETY, Washington, D. C.
Proceedings, current nos.
- WASHINGTON UNIVERSITY, St. Louis, Mo.
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- WEBB, W. F., Albion, N. Y.
The Museum, current nos. (gift).
- WEISBACH, A., Freiberg, Germany.
Characteres mineralogici.
- WELLER, STUART (the author), Chicago.
A century of progress in palæontology.
1 pamphlet.
- WELLESLEY COLLEGE, Wellesley, Mass.
Calendar, 1899-1900.

- WELLINGTON ACCLIMATISATION SOCIETY, Wellington, New Zealand.
Annual report, 15th.
- WESLEYAN UNIVERSITY, Middletown, Conn.
Annual catalogue, 1899-1900.
Bulletin, current nos.
- WESTERN AUSTRALIA GEOLOGICAL SURVEY, Perth, Western Australia.
Annual progress report, 1898.
2 maps.
- WESTERN AUSTRALIA WOODS AND FORESTS DEPARTMENT,
Perth, Western Australia.
The forests of Western Australia and their development.
- WESTERN UNION TELEGRAPH CO., New York City.
Annual report, 1898-'99 (gift).
- WIEN. ANTHROPOLOGISCHE GESELLSCHAFT, Wien, Austria.
Mittheilungen, vol. 28, nos. 5 and 6, vol. 29, nos. 1-5.
- WIEN. K. K. NATURHISTORISCHES HOFMUSEUM, Wien, Austria.
Annalen, vol. 13, nos. 1-4.
- WIEN. UNIVERSITÄTS-BIBLIOTHEK, Vienna, Austria.
Feierliche inauguration des rectoris.
14 pamphlets.
- WILLARD, C. D., Los Angeles, Cal.
History of the Chamber of Commerce, Los Angeles (gift).
- WILLIAMS COLLEGE, Williamstown, Mass.
Catalogue, 1899-1900.
General catalogues, 1795-1900.
Report, 1898-'99 and 1900.
- WILLEY, N., Christiania, Norway.
1 pamphlet.
- WINDSOR AND KENFIELD PUBLISHING CO., Chicago.
Brick, current nos.
Street railway review, current nos. (gift).
- WINTEMBERG, W. J., Washington, Ontario, Canada.
1 pamphlet (gift).
- WISCONSIN GEOLOGICAL AND NATURAL HISTORY SURVEY, Madison, Wis.
Bulletin, nos. 1-4.
Hydrographic maps, vols. 1-7.
- WISCONSIN NATURAL HISTORY SOCIETY, Milwaukee, Wis.
Bulletin, new ser., vol. 1, nos. 1 and 2.
- WISCONSIN STATE HISTORICAL SOCIETY, Madison, Wis.
Proceedings of 47th meeting.
- WISCONSIN UNIVERSITY, Madison, Wis.
Bulletin, nos. 30-34, 36, and 38-40.
Historical ser., vol. 2, no. 1.
- WISCONSIN UNIVERSITY AGRICULTURAL EXPERIMENT STATION,
Madison, Wis.
Annual report, 16th.
Bulletin, current nos. (gift).
- WOLFF, FERDINAND (the author), Berlin, Germany.
Beitrag zur geologie und petrographie Chilès (gift).
- WOODWARD, A. S. (the author), London.
Catalogue of British fossil vertebrata.
77 pamphlets.
- WORCESTER FREE PUBLIC LIBRARY, Worcester, Mass.
Annual report, 40th.

- WORCESTER NATURAL HISTORY SOCIETY, Worcester, Mass.
Annual report, 1898-'99.
The physical geography of Worcester.
1 pamphlet.
- WRIGHT, A. A., Oberlin, Ohio.
1 pamphlet.
- WÜLFING, E. A. (the author), Hohenheim, Württemberg, Germany.
Ueber gesteinsanalyse.
2 pamphlets.
- WÜRTTEMBERG. VEREIN FÜR VATERLANDISCHE NATURKUNDE,
Stuttgart, Germany.
Jahreshefte, vol. 56.
- WYOMING AGRICULTURAL EXPERIMENT STATION, Laramie, Wyo.
Bulletin, current nos. (gift).
- WYOMING HISTORICAL AND GEOLOGICAL SOCIETY, Wilkes-Barre, Pa.
Proceedings, vol. 5.
- WYOMING UNIVERSITY, Laramie, Wyo.
Bulletin, petroleum ser., nos. 2 and 3.
- YALE UNIVERSITY, New Haven, Conn.
Catalogue, 1899-1900.
Yale Forest School, 1900-1901.
- ZSCHÖRNER, K. A., & CO., Wien, Austria.
Torf-industri (gift).
- ZÜRICH. NATURFORSCHENDE GESELLSCHAFT, Zürich, Switzerland
Festschrift.
Vierteljahrsschrift vol. 45, nos. 1 and 2.

ARTICLES OF INCORPORATION.

STATE OF ILLINOIS.

DEPARTMENT OF STATE.

WILLIAM H. HINRICHSEN, *Secretary of State*:

TO ALL TO WHOM THESE PRESENTS SHALL COME, GREETING:

Whereas, a Certificate duly signed and acknowledged having been filed in the office of the Secretary of State, on the 16th day of September, A. D. 1893, for the organization of the COLUMBIAN MUSEUM OF CHICAGO, under and in accordance with the provisions of "An Act Concerning Corporations," approved April 18, 1872, and in force July 1, 1872, and all acts amendatory thereof, a copy of which certificate is hereto attached,

Now, therefore, I, William H. Hinrichsen, Secretary of State of the State of Illinois, by virtue of the powers and duties vested in me by law, do hereby certify that the said COLUMBIAN MUSEUM OF CHICAGO is a legally organized Corporation under the laws of this State.

In Testimony Whereof, I hereto set my hand and cause to be affixed the great Seal of State. Done at the City of Springfield, this 16th day of September, in the year of our Lord one thousand eight hundred and ninety-three, and of the Independence of the United States the one hundred and eighteenth.

W. H. HINRICHSEN,
Secretary of State.

[SEAL]

TO HON. WILLIAM H. HINRICHSEN,
SECRETARY OF STATE:

SIR:

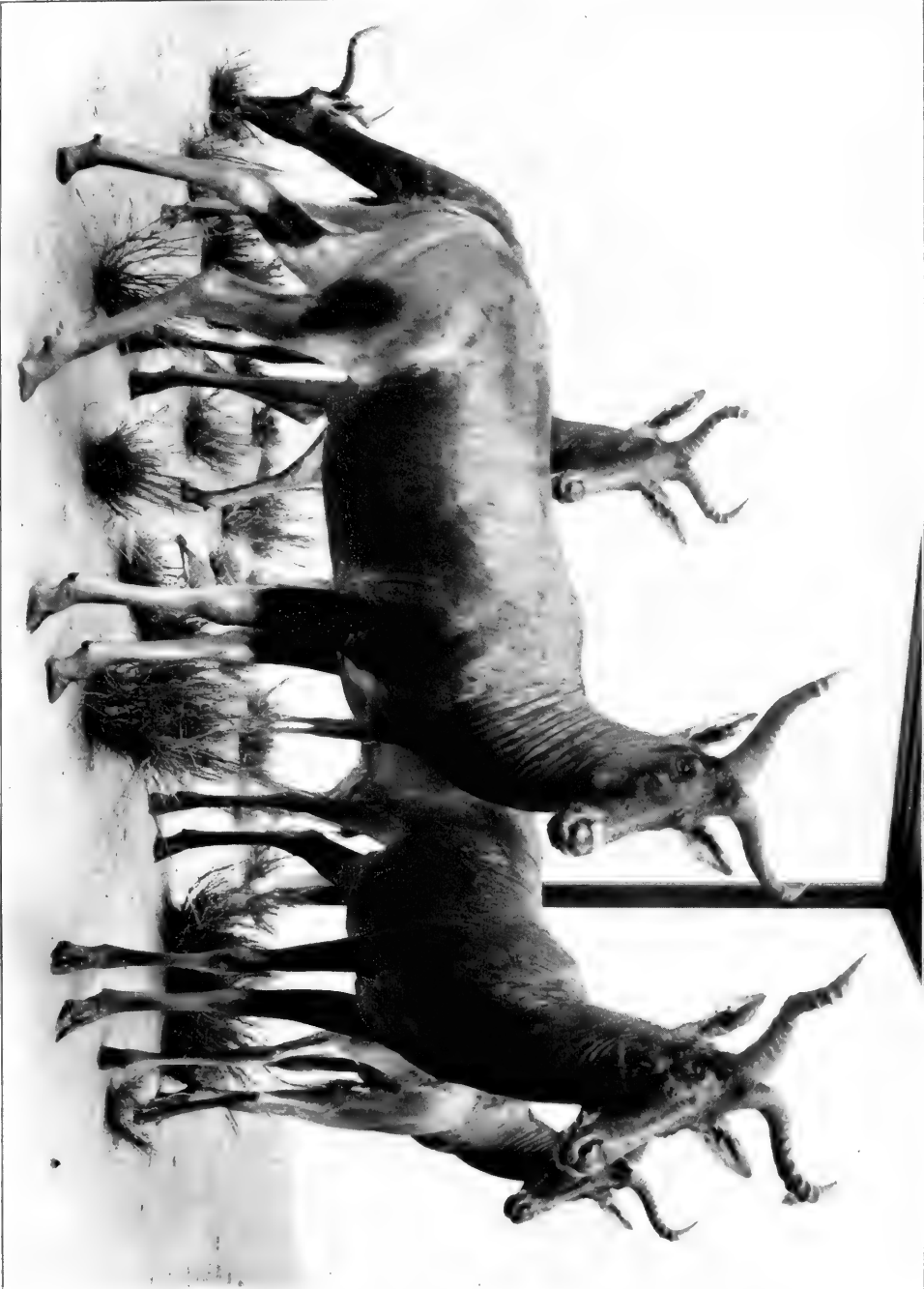
We, the undersigned citizens of the United States, propose to form a corporation under an act of the General Assembly of the State of Illinois, entitled, "An Act Concerning Corporations," approved April 18, 1872, and all acts amendatory thereof; and that for the purposes of such organization we hereby state as follows, to-wit:

1. The name of such corporation is the "COLUMBIAN MUSEUM OF CHICAGO."

2. The object for which it is formed is for the accumulation and dissemination of knowledge, and the preservation and exhibition of objects illustrating Art, Archeology, Science and History.

3. The management of the aforesaid museum shall be vested in a board of FIFTEEN (15) TRUSTEES, five of whom are to be elected every year.

4. The following named persons are hereby selected as the Trustees for the first year of its corporate existence:



GROUP OF SWAYNE'S HARTEBEST — FIELD COLUMBIAN MUSEUM.

C. E. Akeley, Taxidermist.

Ed. E. Ayer, Charles B. Farwell, George E. Adams, George R. Davis, Charles L. Hutchinson, Daniel H. Burnham, John A. Roche, M. C. Bullock, Emil G. Hirsch, James W. Ellsworth, Allison V. Armour, O. F. Aldis, Edwin Walker, John C. Black and Frank W. Gunsaulus.

5. The location of the Museum is in the City of Chicago, County of Cook, and State of Illinois.

(Signed),

George E. Adams, C. B. Farwell, Sidney C. Eastman, F. W. Putnam, Robert McMurdy, Andrew Peterson, L. J. Gage, Charles L. Hutchinson, Ebenezer Buckingham, Andrew McNally, Edward E. Ayer, John M. Clark, Herman H. Kohlsaas, George Schneider, Henry H. Getty, William R. Harper, Franklin H. Head, E. G. Keith, J. Irving Pearce, Azel F. Hatch, Henry Wade Rogers, Thomas B. Bryan, L. Z. Leiter, A. C. Bartlett, A. A. Sprague, A. C. McClurg, James W. Scott, Geo. F. Bissell, John R. Walsh, Chas. Fitzsimons, John A. Roche, E. B. McCagg, Owen F. Aldis, Ferdinand W. Peck, James H. Dole, Joseph Stockton, Edward B. Butler, John McConnell, R. A. Waller, H. C. Chatfield-Taylor, A. Crawford, Wm. Sooy Smith, P. S. Peterson, John C. Black, Jno. J. Mitchell, C. F. Gunther, George R. Davis, Stephen A. Forbes, Robert W. Patterson, Jr., M. C. Bullock, Edwin Walker, Geo. M. Pullman, William E. Curtis, James W. Ellsworth, William E. Hale, Wm. T. Baker, Martin A. Ryerson, Huntington W. Jackson, N. B. Ream, Norman Williams, Melville E. Stone, Bryan Lathrop, Eliphalet W. Blatchford, Philip D. Armour.

STATE OF ILLINOIS, }
COOK COUNTY. } ss.

I, G. R. MITCHELL, a NOTARY PUBLIC in and for said County, do hereby certify that the foregoing petitioners personally appeared before me and acknowledged severally that they signed the foregoing petition as their free and voluntary act for the uses and purposes therein set forth.

Given under my hand and notarial seal this 14th day of September, 1893.

G. R. MITCHELL,
NOTARY PUBLIC, COOK COUNTY, ILL.

[SEAL]

CHANGE OF NAME.

Pursuant to a resolution passed at a meeting of the corporate members held the 25th day of June, 1894, the name of the COLUMBIAN MUSEUM was changed to FIELD COLUMBIAN MUSEUM. A certificate to this effect was filed June 26, 1894, in the office of the Secretary of State for Illinois.

FIELD COLUMBIAN MUSEUM.

AMENDED BY-LAWS.

(APRIL 25, 1898.)

ARTICLE I.

MEMBERS.

SECTION 1. Members shall be of five classes, Annual Members, Corporate Members, Life Members, Patrons and Honorary Members.

SEC. 2. Annual members shall consist of such persons as are selected from time to time by the Board of Trustees at any of its meetings, and who shall pay an annual fee of ten dollars (\$10.00), payable within thirty days after notice of election, and within thirty days after each recurring annual date. The failure of any person to make such initiatory payment and such annual payments within said time shall, at the option of the Board of Trustees, be ground of forfeiture of annual membership.

This said annual membership shall entitle the member to:

First.—Free admittance for himself and family to the Museum on any day.

Second.—Ten tickets every year admitting the bearer to the Museum on pay days.

Third.—A copy of every publication of the Museum sold at the entrance door, and to the annual reports.

Fourth.—Invitations to all receptions, lectures or other entertainments which may be given at the Museum.

SEC. 3. The corporate members shall consist of the persons named in the articles of association, and of such other persons as shall be chosen from time to time by the Board of Trustees at any of its meetings, upon the recommendation of the Executive Committee; provided, that such persons named in the articles of association shall, within ninety days from the adoption of these By-Laws, and persons hereafter chosen as corporate members, shall, within ninety days of their respective election, pay into the treasury the sum of twenty dollars (\$20.00) or more. The failure of any person to make such payments within said time shall, at the option of the Board of Trustees, be ground for forfeiture of his corporate membership. The annual dues of corporate members shall be five dollars (\$5.00) after the first year of membership, and no one shall exercise the rights of a corporate member until his dues are paid; and a delinquency of six months in the payment of annual dues shall be ground for forfeiture of corporate membership. Corporate Members becoming Life Members, Patrons or Honorary Members shall be exempt from dues.

SEC. 4. Any person paying into the treasury the sum of five hundred dollars at any one time shall, upon the unanimous vote of the trustees, become a life member. Life members shall be exempt from all dues.

SEC. 5. Patrons shall be chosen by the Board of Trustees, upon recommendation of the Executive Committee, from among persons who have rendered eminent service to the Museum. They shall be exempt from all dues, and, by virtue of their election as patrons, shall also be corporate members.

SEC. 6. Honorary members shall be chosen from among persons who have rendered eminent service to science, art or mechanics. They shall be chosen by a vote of the Trustees, and only upon unanimous nomination of the Executive Committee. They shall be exempt from all dues. In commemoration of the 14th day of October, honorary members shall not be more than fourteen in number at any one time.

SEC. 7. All members of whatever class shall be eligible to appointment upon committees other than the Executive Committee.

ARTICLE II.

OFFICERS.

SECTION 1. The respective members of the Board of Trustees now in office, and those who shall hereafter be elected, shall hold office during life. Vacancies occurring in the Board shall be filled by a majority vote of the remaining members of the Board of Trustees at any regular meeting.

SEC. 2. The other officers shall be President, two Vice-Presidents, Secretary and Treasurer, and an Executive Committee of four persons, who shall be chosen by ballot by the Board of Trustees from their own number as early as practicable after the annual meeting in each year. The President shall be *ex-officio* a member of the Executive Committee, in addition to the other four members. The Secretary and Treasurer may, or may not, be the same person, and the Secretary may, or may not, be a corporate member.

Any officer may be removed at any regular meeting of the Board of Trustees by a vote of two-thirds of all the members of the Board. Vacancies in any office may be filled by the Board at any meeting.

SEC. 3. The President shall appoint from among the Trustees a Committee on Finance, a Committee on Property, an Auditing Committee, and a Committee on Buildings and Grounds, who shall serve during the pleasure of the Board.

SEC. 4. The officers shall perform such duties as ordinarily appertain to their respective offices, and such other duties as the Board of Trustees may from time to time devolve upon them. The Treasurer shall give bond in such amount and with such surety as shall be approved by the Executive Committee, and shall disburse the funds of the Museum only in accordance with the directions of the Executive Committee, upon the signature and counter-signature of such officers as the Executive Committee shall empower thereto.

SEC. 5. The Executive Committee shall have full control of the affairs of the Museum, under the general supervision of the Board of Trustees.

ARTICLE III.

MEETINGS.

SECTION 1. In commemoration of the discovery of America by Christopher Columbus, the annual meeting of the corporate members shall be held on the 14th day of October in each year, except when that day falls on a Sunday, and then

upon the Monday following. At such meetings the corporate members shall transact such business as may properly come before the meeting. Special meetings of the corporate members shall be called at any time by the Secretary upon written request of twenty corporate members. In such case, thirty days' notice by mail shall be given to corporate members of the time, place and purpose of such meetings.

SEC. 2. Regular meetings of the Board of Trustees shall be held upon the 14th day of October, except when that day falls on a Sunday, and then upon the Monday following, and upon the last Monday of January, April and July of each year. Special meetings may be called by the President at any time upon reasonable notice by mail, and shall be called upon the written request of three Trustees. Five Trustees shall constitute a quorum.

ARTICLE IV.

AMENDMENTS.

SECTION 1. These By-Laws may be amended at any regular meeting of the Trustees by a two-thirds vote of all the members present, provided the amendment shall have been proposed at the last regular meeting preceding, or shall be recommended by the Executive Committee.

HONORARY MEMBERS.

EDWARD E. AYER

HARLOW N. HIGINBOTHAM

CHARLES B. CORY

MARY D. STURGES

PATRONS.

ALLISON V. ARMOUR

FREDERICK W. PUTNAM

WILLIAM I. BUCHANAN

FREDERICK J. V. SKIFF

WILLARD A. SMITH

CORPORATE MEMBERS.

- | | |
|--------------------------|------------------------|
| ADAMS, GEORGE E. | JACKSON, HUNTINGTON W. |
| ALDIS, OWEN F. | JONES, ARTHUR B. |
| ARMOUR, ALLISON V. | KEITH, E. G. |
| ARMOUR, PHILIP D. | KOHLSAAT, HERMAN H. |
| AYER, EDWARD E. | |
| BAKER, WILLIAM T. | LATHROP, BRYAN |
| BARTLETT, A. C. | LEITER, L. Z. |
| BLACK, JOHN C. | McCAGG, E. B. |
| BLAIR, WATSON F. | McCLURG, A. C. |
| BLATCHFORD, ELIPHALET W. | McCONNELL, JOHN |
| BUCHANAN, W. I. | McCORMICK, CYRUS H. |
| BUCKINGHAM, EBENEZER | McNALLY, ANDREW |
| BURNHAM, DANIEL H. | MANIERRE, GEORGE |
| BUTLER, EDWARD B. | MITCHELL, JOHN J. |
| CHALMERS, W. J. | PATTERSON, ROBERT W. |
| CHATFIELD-TAYLOR, H. C. | PEARCE, J. IRVING |
| CLARK, JOHN M. | PECK, FERD. W. |
| CURTIS, WILLIAM E. | PETERSON, P. S. |
| EASTMAN, SYDNEY C. | PUTNAM, FREDERICK W. |
| ELLSWORTH, JAMES W. | |
| FITZSIMONS, CHARLES | REAM, NORMAN B. |
| | RYERSON, MARTIN A. |
| GAGE, LYMAN J. | SCHNEIDER, GEORGE |
| GETTY, HENRY H. | SKIFF, F. J. V. |
| GUNSAULUS, FRANK W. | SMITH, BYRON L. |
| GUNTHER, C. F. | SMITH, WILLARD A. |
| HARPER, WILLIAM R. | SPRAGUE, A. A. |
| HATCH, AZEL F. | STOCKTON, JOSEPH |
| HEAD, FRANKLIN H. | STONE, MELVILLE E. |
| HIGINBOTHAM, H. N. | WALKER, EDWIN |
| HUTCHINSON, CHARLES L. | WALSH, JOHN R. |

DECEASED.

- | | |
|--------------------|--------------------|
| BISSELL, GEORGE F. | PULLMAN, GEORGE M. |
| CRAWFORD, ANDREW | SCOTT, JAMES W. |
| DAVIS, GEORGE R. | WALLER, R. A. |
| HALE, WILLIAM E. | WILLIAMS, NORMAN |
| PETERSON, ANDREW | |

LIFE MEMBERS.

By the payment of five hundred dollars.

- | | |
|--------------------------|-------------------------|
| ADAMS, GEORGE E. | KING, JAMES C. |
| ALDIS, OWEN F. | KIRK, WALTER THOMPSON |
| ARMOUR, P. D. | McCORMICK, MRS. |
| BLAIR, CHAUNCEY J. | McCORMICK, CYRUS H. |
| BARTLETT, A. C. | McCORMICK, HAROLD F. |
| BARRETT, MRS. A. D. | McNALLY, ANDREW |
| BARRETT, ROBERT L. | MACKAY, JOHN W. |
| BARRETT, S. E. | MacVEAGH, FRANKLIN |
| BOOTH, W. VERNON | MITCHELL, J. J. |
| BURNHAM, D. H. | MURDOCH, THOMAS |
| BUTLER, EDWARD B. | NEWELL, A. B. |
| CARTER, JAMES S. | OGDEN, MRS. FRANCES E. |
| CARTON, L. A. | ORR, ROBERT M. |
| CHALMERS, WILLIAM J. | PEARSONS, D. K. |
| COOPER, FRANK H. | PIKE, EUGENE S. |
| CRANE, R. T. | PORTER, GEORGE T. |
| DEERING, CHARLES | PORTER, H. H. |
| DOANE, J. W. | PORTER, Jr., H. H. |
| DRAKE, TRACY C. | REAM, MRS. CAROLINE P. |
| FARGO, CHARLES | REAM, NORMAN B. |
| FARWELL, WALTER | REVELL, ALEX. H. |
| FAY, C. N. | RUSSELL, EDMUND A. |
| FIELD, STANLEY | RYERSON, MRS. CARRIE H. |
| FULLER, WILLIAM A. | RYERSON, MARTIN A. |
| GARTZ, A. F. | SCHLESINGER, LEOPOLD |
| GRISCOM, CLEMENT A. | SCHNEIDER, GEORGE |
| GROMMES, JOHN B. | SCOTT, ROBERT S. |
| HAMILL, ERNEST A. | SEAVURNS, GEORGE A. |
| HEALY, P. J. | SHERMAN, JOHN B. |
| HIBBARD, W. G. | SINGER, C. G. |
| HILL, LOUIS W. | SMITH, BYRON L. |
| HUGHITT, MARVIN | SMITH, ORSON |
| HUTCHINSON, C. L. | SPRAGUE, A. A. |
| INGALLS, M. E. [PORTER | SPRAGUE, OTHO S. A. |
| ISHAM, MRS. KATHERINE | STUDEBAKER, CLEM. |
| JOHNSON, M. D., FRANK S. | STURGES, GEORGE |
| JOHNSON, MRS. ELIZABETH | THORNE, GEORGE R. |
| JONES, ARTHUR B. [AYER | TREE, LAMBERT |
| KEITH, ELBRIDGE G. | WELLING, JOHN C. |
| KIMBALL, W. W. | WELLS, M. D. |
| KING, FRANCIS | WILLARD, ALONZO J. |
| | WOLFF, LUDWIG |

ANNUAL MEMBERS.

- | | |
|---|---|
| <p>ADAMS, CYRUS H.
 ADAMS, MILWARD
 ALLERTON, ROBERT H.
 ALLERTON, MRS. S. W.
 AMBERG, WILLIAM A.
 ARMOUR, GEORGE A.</p> <p>BAILEY, EDWARD P.
 BAKER, SAMUEL
 BANGA, DR. HENRY
 BARNES, CHARLES J.
 BARNHART, ARTHUR M.
 BARRELL, JAMES
 BATCHELLER, W.
 BEAUVAIS, E. A.
 BECKER, A. G.
 BEECHER, MRS. JEROME
 BEIDLER, FRANCIS
 BELDEN, J. S.
 BILLINGS, C. K. G.
 BILLINGS, DR. FRANK
 BIRKHOFF, JR., GEORGE
 BLACKMAN, W. L.
 BLAINE, MRS. EMMONS
 BLAIR, HENRY A.
 BLISS, SAMUEL E.
 BOAL, CHARLES T.
 BONNEY, CHARLES C.
 BOOTH, A.
 BOTSFORD, HENRY
 BOUTON, C. B.
 BOUTON, N. S.
 BRADWELL, JAMES B.
 BRAUN, GEORGE P.
 BREGA, CHARLES W.
 BREMNER, DAVID F.
 BROOKS, JAMES C.
 BROWN, GEORGE F.
 BROWN, JOHN H.
 BROWN, WILLIAM L.
 BURLEY, CLARENCE A.</p> | <p>BURLEY, FRANK E.
 BYRAM, A.</p> <p>CABLE, R. R.
 CARPENTER, A. A.
 CARPENTER, MYRON J.
 CHANDLER, FRANK R.
 CHAPPELL, C. H.
 CHENEY, C. C.
 CLARK, JONATHAN
 CLIFF, CAPTAIN JOHN
 COMSTOCK, WILLIAM C.
 CONKLING, ALLEN
 CONOVER, CHARLES H.
 COOLBAUGH, MRS. ADDIE R.
 COOLIDGE, CHARLES A.
 COONLEY-WARD, MRS. L. C.
 CORWITH, CHARLES R.
 COWAN, W. P.
 COX, ALFRED J.
 CRANE, CHARLES R.
 CUDAHY, JOHN
 CULVER, MRS. CHARLES E.
 CUMMINGS, E. A.
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 DAY, CHAPIN A.
 DEAN, THAD.
 DEERING, JAMES
 DEERING, WILLIAM
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 DEMMLER, K.
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 DILLMAN, L. M.
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 DUMMER, W. F.
 DUNHAM, MISS M. V.
 DURAND, ELLIOTT
 DURAND, H. C.
 DWIGHT, JOHN H.</p> |
|---|---|

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EDWARDS, J. A.
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EMMERICH, CHARLES

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FEATHERSTONE, A.
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GREY, WILLIAM L.
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GUION, GEORGE MURRAY
GURLEY, W. W.

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HARRIS, N. W.
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HELMER, FRANK A.
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HOLT, GEORGE H.
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HORNER, ISAAC
HOSKINS, WILLIAM
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INGALS, EPHRAIM, M.D.
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LAFLIN, GEORGE H.
LAMB, FRANK H.
LAWSON, VICTOR F.
LAY, A. TRACY
LEE, WALTER H.
LEFENS, THIES J.
LEIGH, EDWARD B.
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LEWIS, JAMES F.
LINCOLN, ROBERT T.
LINN, W. R.
LLOYD, EVAN
LOEWENTHAL, B.

- LOGAN, F. G.
 LOMBARD, JOSIAH L.
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 LOWDEN, FRANK O.
 LOWTHER, THOMAS D.
 LYON, THOMAS R.
 LYTTON, HENRY C.

 McCREA, W. S.
 McGUIRE, REV. H.
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 MAGEE, HENRY W.
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 MANSURE, E. L.
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 MAYER, DAVID
 MAYER, LEVY
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 MERRICK, L. C.
 MERRYWEATHER, GEORGE
 MEYER, MRS. M. A.
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 MILLER, ROSWELL
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 MILLER, DR. TRUMAN W.
 MIXER, C. H. S.
 MOORE, L. T.
 MOORE, N. G.
 MOORE, SILAS M.
 MORRIS, EDWARD
 MORRIS, IRA
 MORRIS, NELSON
 MORRISON, JAMES W.
 MULLIKEN, A. H.
 MULLIKEN, CHARLES H.

 NATHAN, ADOLPH
 NOLAN, JOHN H.
 NORTON, O. W.
 NOYES, LA VERNE W.

 OEHNE, THEODORE
 ORB, JOHN A.
 ORTSEIFEN, ADAM
 OSBORNE, HENRY A.
 OTIS, L. B.

 PALMER, MILTON J.
 PALMER, PERCIVAL B.
 PARKER, FRANCIS W.
 PATTERSON, W. R.
 PEARSON, EUGENE H.
 PEASLEY, J. C.
 PECK, CLARENCE I.
 PECK, GEORGE R.
 PERRY, LEWIS S.
 PETERS, HOMER H.
 PETERSEN, GEORGE L.
 PETERSON, WILLIAM A.
 PIETSCH, C. F.
 PINKERTON, W. A.
 POND, IRVING K.
 POPE, MRS. CHARLES B.
 PORTER, MRS. JULIA F.
 PORTER, WASHINGTON

 RABER, P. W.
 RANDALL, THOMAS D.
 RAYNER, JAMES B.
 REHM, JACOB
 REID, W. H.
 REW, HENRY C.
 RIPLEY, E. P.
 ROBINSON, J. K.
 ROSENBAUM, JOSEPH
 ROSENFELD, MAURICE
 ROSENTHAL, OSCAR
 RUMSEY, GEORGE D.
 RUNNELLS, J. S.
 RYERSON, MRS. MARTIN

 SCHAFFNER, JOSEPH
 SCHMIDT, GEORGE A.
 SCHMIDT, DR. O. L.
 SCHMITT, ANTHONY
 SCHWARTZ, G. A.
 SEARS, JOSEPH
 SEIPP, MRS. C.
 SEIPP, W. C.
 SELFRIDGE, HARRY G.
 SELLERS, FRANK H.
 SELZ, MORRIS
 SHEDD, JOHN G.
 SHERWOOD, H. M.
 SHIPMAN, DANIEL B.
 SHORTALL, JOHN G.
 SIMMONS, J. J.
 SKINNER, THE MISSES

SMITH, F. B.
SMITH, FRANK J.
SMITH, JOHN C.
SMITH, O. C.
SMITH, ROBERT J.
SNOW, MISS HELEN E.
SOPER, ALEXANDER C.
SOPER, JAMES P.
SOUTHWELL, H. E.
SPENCE, MRS. ELIZABETH E.
SPOOR, J. A.
STANLEY, FRANK W.
STEELE, HENRY B.
STILES, JOSIAH
STOCKTON, JOHN T.
STRAUS, SIMON
STUART, ROBERT
SWIFT, G. F.

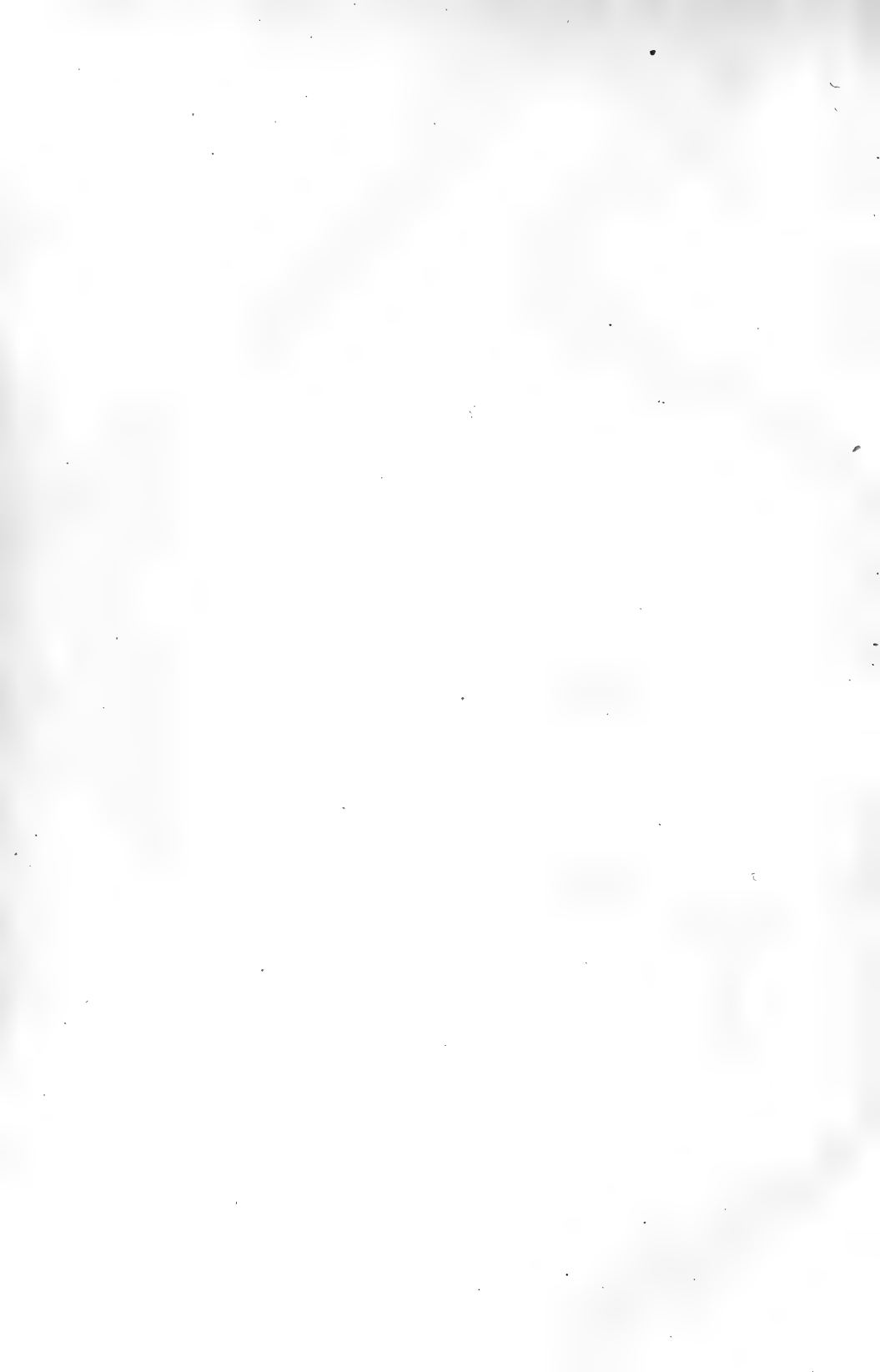
TEMPLETON, THOMAS
TILTON, MRS. L. J.
TOBEY, FRANK B.
TRIPP, C. E.
TRUDE, A. S.
TRUMBULL, PERRY
TURNER, E. A.
TYRRELL, JOHN
TYSON, RUSSELL

UHLEIN, EDWARD G.
UNZICKER, OTTO
VIERLING, ROBERT

WACKER, CHARLES H.
WALKER, GEORGE C.
WALKER, HENRY H.
WALKER, JAMES R.
WALKER, WILLIAM B.
WALLER, EDWARD C.
WARNER, EZRA J.
WEBSTER, GEORGE H.
WELLS, B. R.
WHEELER, CHARLES W.
WHEELER, FRANCIS T.
WHITE, A. STAMFORD
WHITEHEAD, W. M.
WHITEHOUSE, FRANCIS M.
WICKES, T. H.
WILLIAMS, SIMEON B.
WILLING, MRS. HENRY J.
WILSON, E. C.
WILSON, M. H.
WING, DR. ELBERT
WINK, HENRY
WOLF, FRED W.
WOOD, S. E.
WOODCOCK, LINDSAY T.
WOOSTER, CLARENCE K.
YERKES, CHARLES T.

DECEASED.

BLACKSTONE, T. B.
COBB, SILAS B.



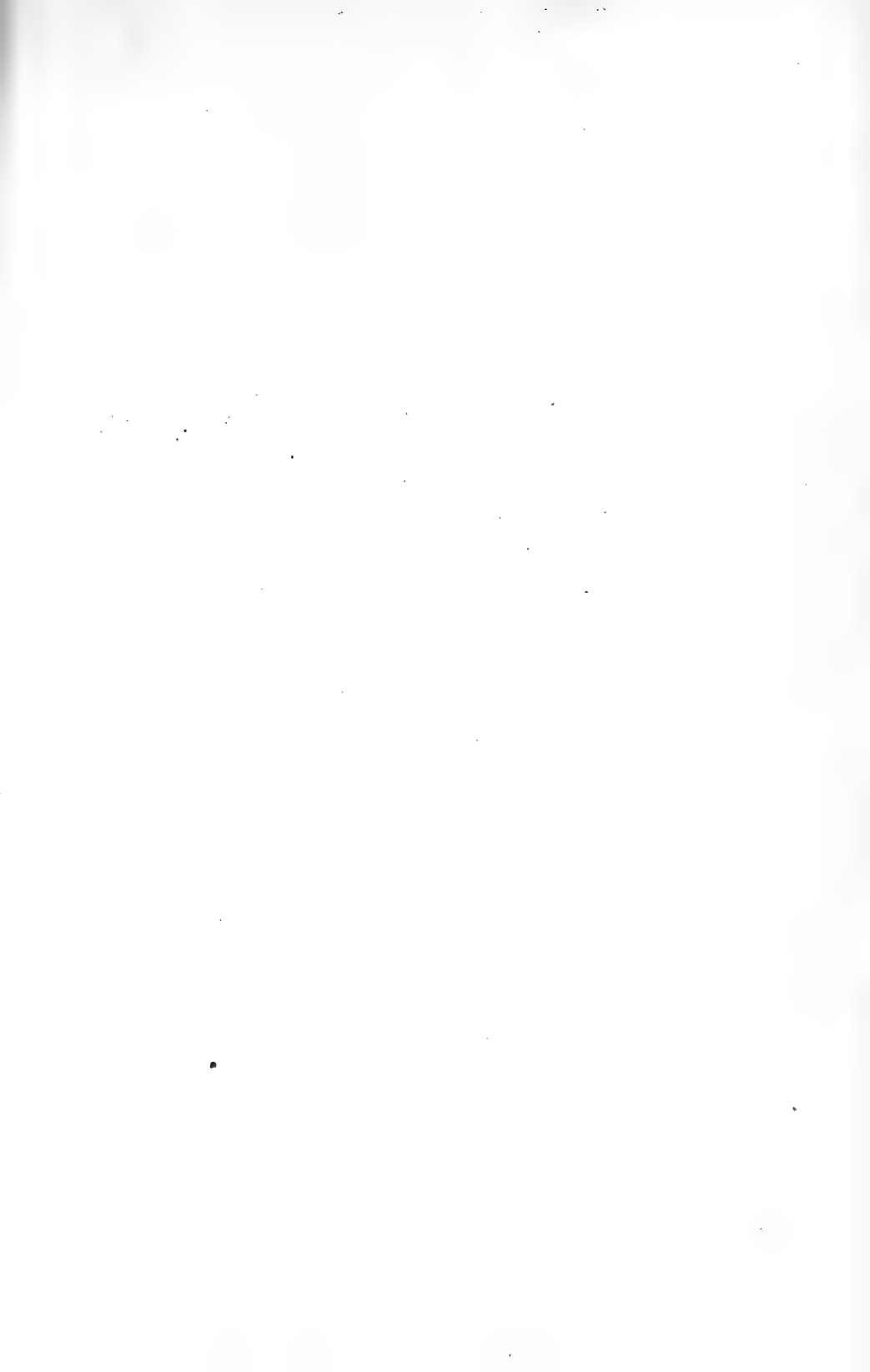
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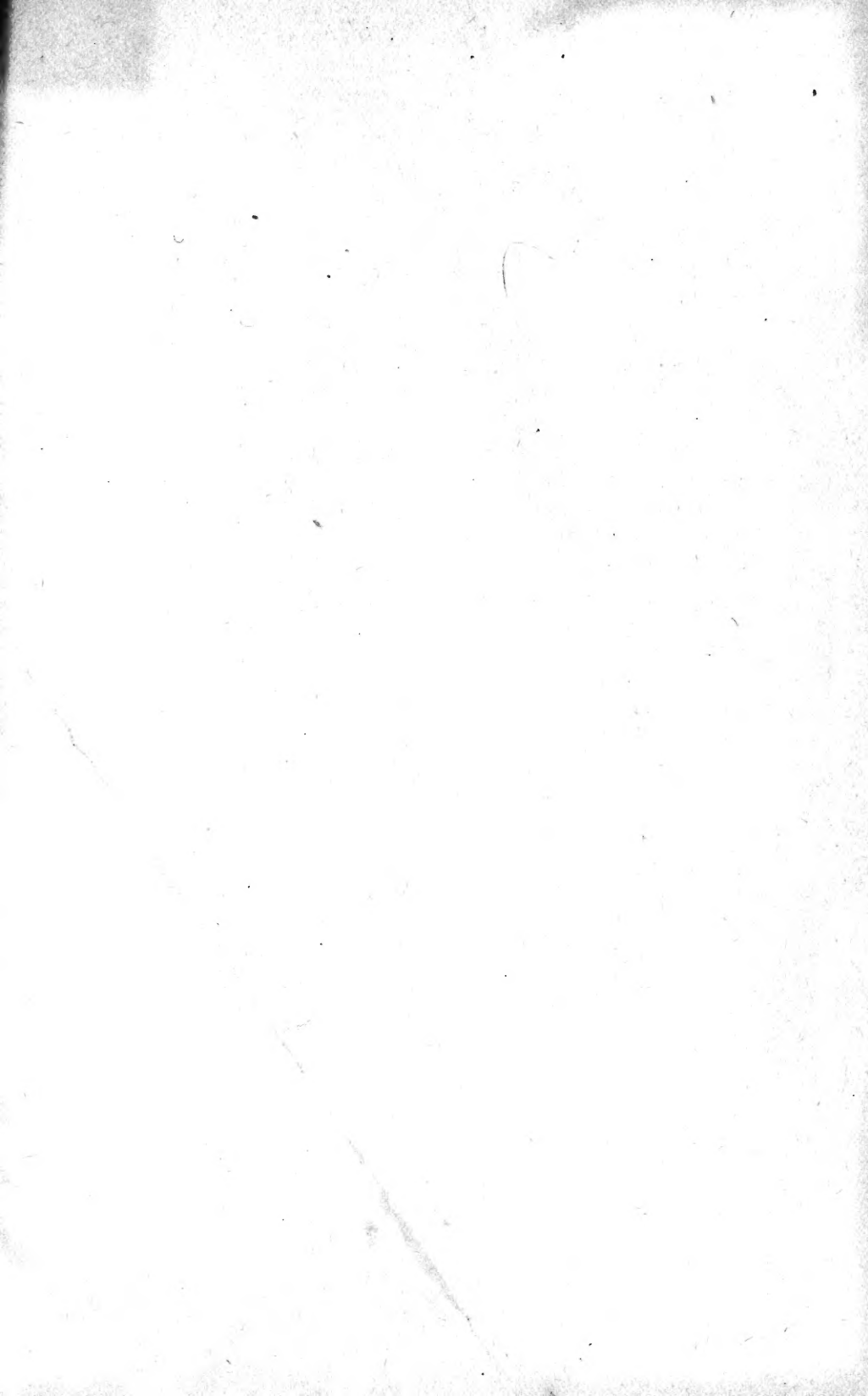
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