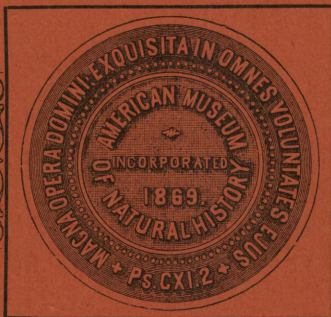


THE  
**American Museum of Natural History**

CENTRAL PARK, NEW YORK CITY.

(77th Street and Central Park West.)



ANNUAL REPORT OF THE PRESIDENT,  
TREASURER'S REPORT, LIST OF ACCESSIONS,  
ACT OF INCORPORATION,  
CONTRACT WITH THE DEPARTMENT OF PARKS,  
CONSTITUTION, BY-LAWS AND LIST OF MEMBERS.  
FOR THE YEAR 1905.

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PRINTED FOR THE MUSEUM.

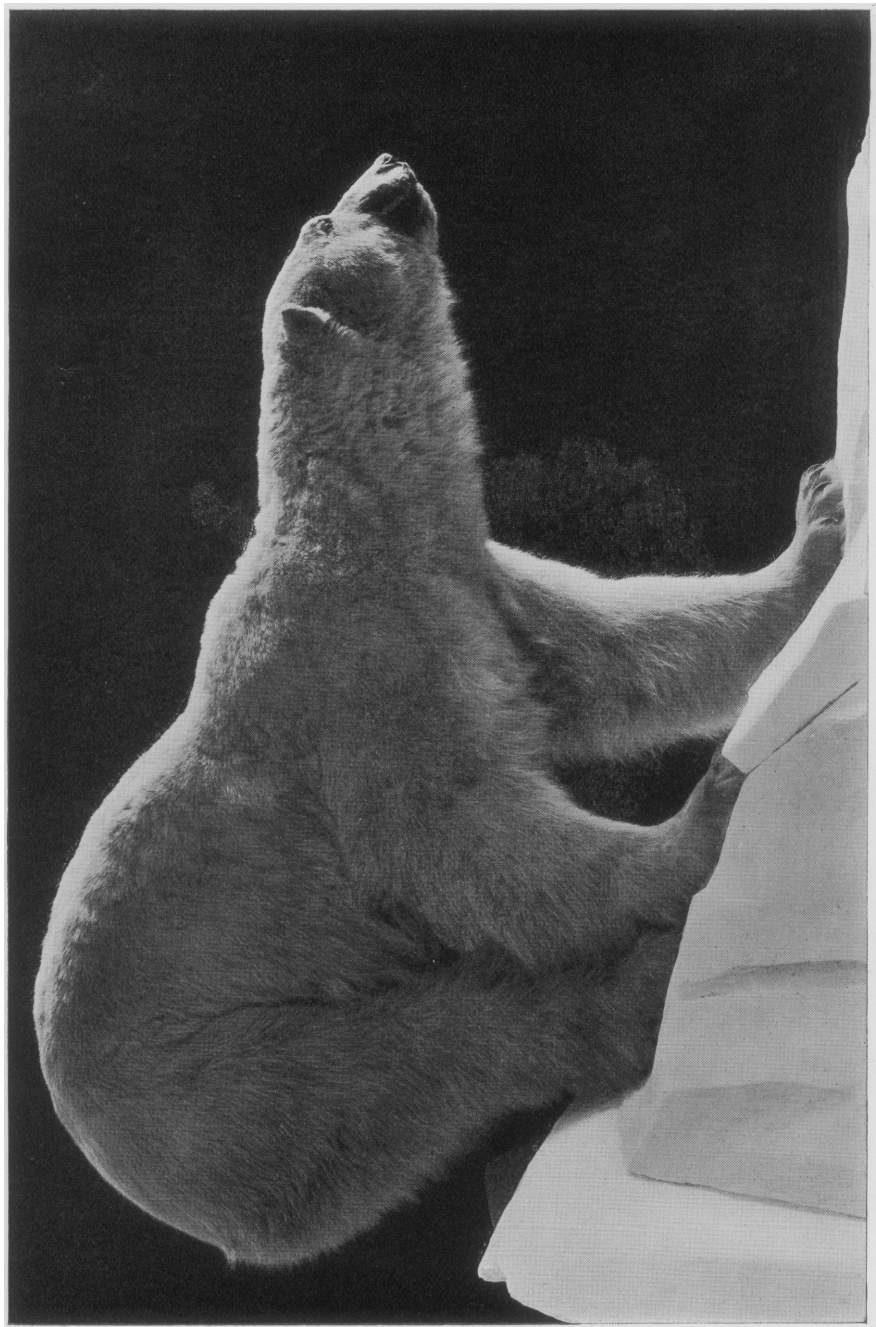


**THE  
AMERICAN MUSEUM OF NATURAL HISTORY.**









**POLAR BEAR.**

A specimen of the Polar Bear Group which is being prepared at the Museum. This bear was secured by Commander Peary, at Payer Harbor, and was mounted by James L. Clark.

THE  
AMERICAN MUSEUM OF NATURAL  
HISTORY,

CENTRAL PARK, NEW YORK CITY,  
Seventy-seventh Street and Central Park West.

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FOR THE YEAR 1905.



NEW YORK:  
PRINTED FOR THE MUSEUM

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1906.



**IRVING PRESS**  
**119-121 East Thirty-first Street**  
**New York**



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## BOARD OF TRUSTEES.

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### CLASS OF 1906.

CHARLES LANIER.

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ARTHUR CURTISS JAMES.

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### Second Vice-President.

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The President is *ex-officio* a member of all  
Standing Committees.



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FOR 1906.

---

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HERMON C. BUMPUS, Ph.D., Sc.D.

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Prof. ALBERT S. BICKMORE, B.S., Ph.D., LL.D., Curator Emeritus.  
GEORGE H. SHERWOOD, A.B., A.M., Curator.

## *DEPARTMENT OF GEOLOGY AND INVERTEBRATE PALÆONTOLOGY.*

Prof. R. P. WHITFIELD, A.M., Curator.  
EDMUND OTIS HOVEY, A.B., Ph.D., Associate Curator.

## *DEPARTMENT OF MAMMALOGY AND ORNITHOLOGY.*

Prof. J. A. ALLEN, Ph.D., Curator.  
FRANK M. CHAPMAN, Associate Curator.

## *DEPARTMENT OF VERTEBRATE PALÆONTOLOGY.*

Prof. HENRY FAIRFIELD OSBORN, A.B., Sc.D., LL.D., D.Sc., Curator.  
W. D. MATTHEW, Ph.B., A.B., A.M., Ph.D., Associate Curator.  
O. P. HAY, A.B., Ph.D., Associate Curator of Chelonia.  
Prof. BASHFORD DEAN, A.B., A.M., Ph.D., Honorary Curator of Fishes.

## *JESUP NORTH PACIFIC EXPEDITION.*

Prof. FRANZ BOAS, Ph.D., in Charge.

## *DEPARTMENT OF ETHNOLOGY.*

CLARK WISSLER, A.B., A.M., Ph.D., Acting Curator.  
HARLAN I. SMITH, Assistant Curator.  
GEORGE H. PEPPER, Assistant.  
CHARLES W. MEAD, Assistant.

## *DEPARTMENT OF ARCHÆOLOGY.*

Prof. MARSHALL H. SAVILLE, Associate Curator.

## *DEPARTMENT OF ENTOMOLOGY.*

WILLIAM BEUTENMÜLLER, Curator.

## *DEPARTMENT OF MINERALOGY AND CONCHOLOGY.*

L. P. GRATACAP, Ph.B., A.B., A.M., Curator.  
GEORGE F. KUNZ, A.M., Ph.D., Honorary Curator of Gems.

## *DEPARTMENT OF BOOKS AND PUBLICATIONS.*

Prof. RALPH W. TOWER, A.B., A.M., Ph.D., Curator.

## *DEPARTMENT OF INVERTEBRATE ZOÖLOGY.*

Prof. WILLIAM MORTON WHEELER, Ph.D., Curator.  
ROY W. MINER, A.B., Assistant Curator.  
B. E. DAHLGREN, D.M.D., Assistant Curator.

## *DEPARTMENT OF PHYSIOLOGY.*

Prof. RALPH W. TOWER, A.B., A.M., Ph.D., Curator.

## *DEPARTMENT OF MAPS AND CHARTS.*

A. WOODWARD, Ph.D., Curator.

## FORM OF BEQUEST.

---

*I do hereby give and bequeath to "THE AMERICAN MUSEUM OF  
NATURAL HISTORY," of the City of New York,.....*

.....

.....

## THIRTY-SEVENTH ANNUAL REPORT.

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*To the Trustees and Members of the American Museum of Natural History :*

The President submits herewith a report of the affairs of the Museum for the year 1905.

**FINANCES.**—The financial transactions of the Museum are divided into three separate accounts, and the details of the receipts, expenditures and investments for the year just closed, thus classified, will be found in the Treasurer's Report, pages 39 to 45 inclusive. These accounts and all books and vouchers have been duly examined and certified to by the Audit Company of New York. A few statements may help in making the details of this report clear.

*Permanent Endowment.*—This fund amounts to \$1,013,000, the same as noted in the last Report. The interest on this sum provides the principal source of income of the General Account, upon which is dependent the purchase of new collections, the maintenance of field parties, the publication of the results of scientific investigations, in short, the general growth of the collections and the continuation and extension of scientific work. It is not sufficient to meet our present needs and an increase of this fund is imperative.

*Special Funds.*—From time to time friends of the Museum have united their interest in some special researches, explorations or installations, and have provided the means therefor by subscribing to a "special fund." In such cases an officer of the Museum has generally acted as treasurer, and the scien-

tific or educational results have been directly contributed to the Museum.

*City Maintenance Account.*—The amount received from the City for the maintenance of the Museum, \$160,000, was the same as in 1902, 1903 and 1904. Generous as the sum is, it has again proved insufficient to meet the running expenses, and there is a deficit of \$19,506.41, or more than double the deficit of a year ago. The steady and normal growth of the Museum makes urgent a larger sum for general running expenses.

*General Account.*—In this account the total receipts from all sources have been \$76,897.90. The interest on the Permanent Endowment Fund amounted to \$47,200 (an increase of \$12,055 over that of 1904); \$3,100 have been received as Life Membership fees, and \$14,775 from Annual Members. The total sum from membership fees exceeds that for 1904 by \$1,495, the largest amount from this source thus far recorded, and is to be interpreted as an indication of the growing interest that the people of the City are taking in the work of the Museum. It is hoped and expected that this form of income may be increased.

**BUILDING OPERATIONS.**—The west transit, or the approach to the Power House, has been completed and was taken possession of by the Museum under its contract with the City. An appropriation of \$500,000 has been made by the Board of Estimate and Apportionment for "finishing and equipping the building and for the construction of additions thereto."

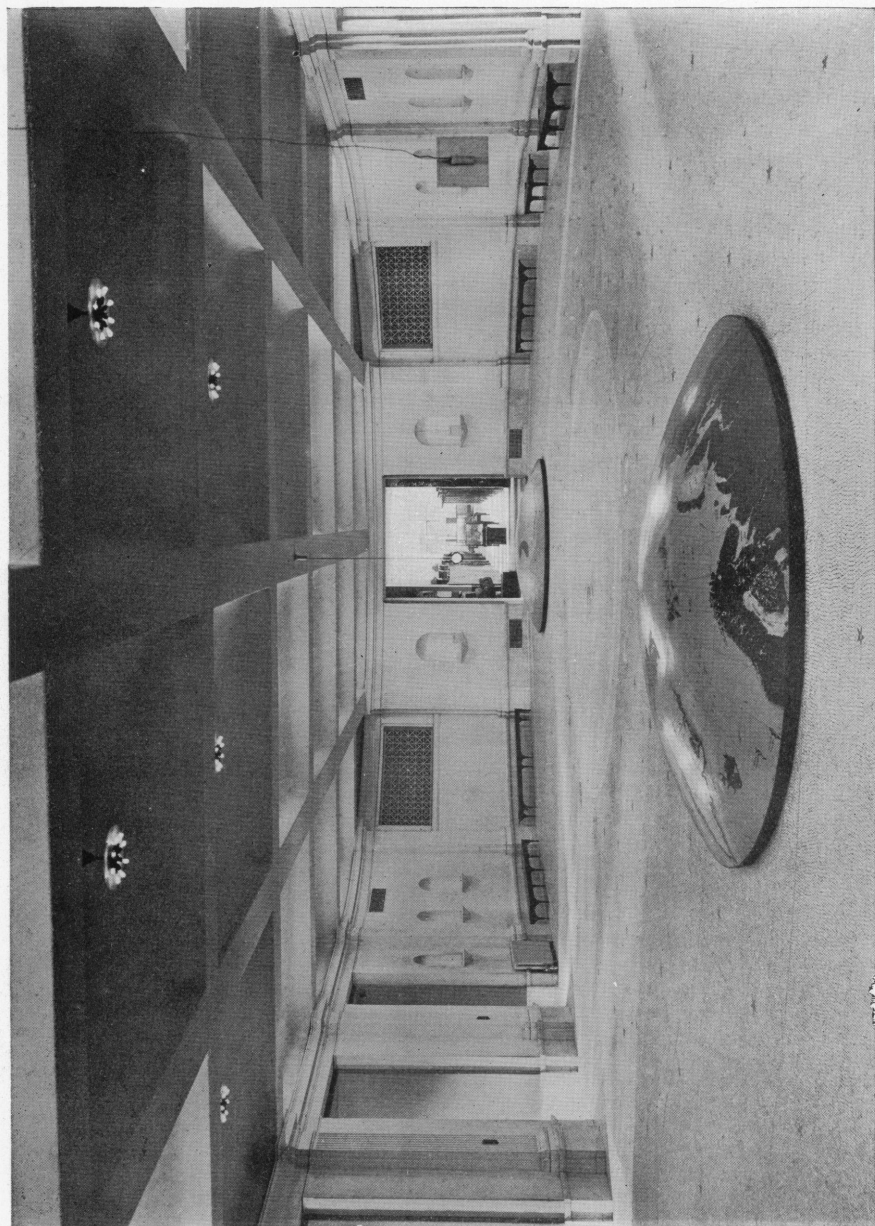
**MEMBERSHIP.**—The total membership on January 1, 1906, was 1,963.

#### NEW MEMBERS.

The following persons were elected Patrons:

MRS. GUY ELLIS BAKER,      ADRIAN ISELIN, JR.,  
   SETH LOW.





THE NEW FOYER, OR ENTRANCE HALL (looking west).



The following have been made Life Members:

S. T. ARMSTRONG, M. D.,	CHARLES DUNCAN MILLER,
GEORGE MCKESSON BROWN,	CHARLES E. MILMINE,
KATHARINE L. CAMMANN,	ABRAM G. NESBITT,
J. E. CHILDS,	ACOSTA NICHOLS,
HENRY A. C. DE RUBIO,	TRENOR L. PARK,
W. B. DICKERMAN,	O. H. PAYNE,
J. W. DIMICK,	SEYMOUR PERKINS,
EDWARD K. DUNHAM,	HENRY PHIPPS,
THOMAS T. ECKERT, JR.,	GEORGE R. SHELDON,
AMOS F. ENO,	JENS SKOUGAARD,
ALLEN W. EVARTS,	WM. S. THOMAS, M. D.,
CHARLES J. HARRAH,	RICHARD L. WALSH,
GEORGE A. KESSLER,	HENRY DEFOREST WEEKES,
GUY R. McLANE,	JAMES DUGALD WHITE,
JAMES A. MACDONALD,	JAMES GILBERT WHITE,
* WILLIAM ZIEGLER.	

DECEASED MEMBERS.

*Trustees.*

ADRIAN ISELIN.

*Patrons.*

FREDERICK A. CONSTABLE.

*Fellows.*

JAMES C. CARTER,	MRS. R. P. DANA,
JOHN SLOANE.	

*Life Members.*

J. O. BARTHOLOMEW,	W. D. NICHOLS,
EDWARD COOPER,	FREDERICK UHLMANN,
WM. H. GEBHARD,	EDWARD WINSLOW,
WILLIAM ZIEGLER.	

\* Deceased

*Annual Members.*

ANDREWS, MRS. GEORGE P.	HINTON, J. H.
BALDWIN, W. H., JR.	HOGAN, CHARLES M.
BALLANTINE, ROBERT F.	HOLT, R. S.
BETTS, FREDERICK H.	JOSEPHI, ISAIAH
BLAGDEN, GEORGE	KETCHUM, A. P.
BLUMENSTIEL, ALEXANDER	KING, WILLIAM W.
BLUMENTHAL, AUGUST	LATHERS, MISS ABBY C.
BOGERT, HENRY A.	LAPHAM, S. V.
BYRNE, JOHN	LEROY, ALFRED
CAMPBELL, JOHN	LESLIE, E. A.
CASTREE, JOHN W.	LOWELL, MRS. CHAS. RUSSELL
CHURCH, EDWARD W.	MARKLEY, T. W.
COMSTOCK, ALBERT	MILMINE, GEORGE
CURRIER, G. C.	NELSON, WILLIAM
CURTIS, CHARLES B.	OECHS, ANTHONY
DE PEYSTER, ELIZABETH V. R.	PARSONS, W. H.
EINSTEIN, EDWIN	SETON, WILLIAM
GIBB, JOHN	VAN BRUNT, C. H.
GRAY, MRS. GEORGE Z.	WALLACE, LEWIS
HARGOUS, ROBERT L.	WHELOCK, WILLIAM A.
HAYES, R. SOMERS	WILSON, WASHINGTON

DEPARTMENT OF PUBLIC INSTRUCTION.—The ill health of Professor Bickmore, who has faithfully and efficiently served the Museum as the head of this department, has incapacitated him for active work. The Trustees, however, were very reluctant to lose his services, and, in order to lighten his duties as much as possible, they appointed him Curator Emeritus, at the same time expressing their hope that from time to time he might be able to take his accustomed place upon the lecture platform.

During the year Professor Bickmore has given four lectures to Members of the Museum and their invited friends, and free lectures to the public on Washington's Birthday and Thanksgiving Day. He has also generously placed his valuable lantern slides at the disposal of the Curators for use in the



children's lectures, and in other ways has shown his continued devotion to the institution with which his life has been identified.

DEPARTMENT OF GEOLOGY AND INVERTEBRATE PALÆONTOLOGY.—Several investigators in this branch of science have spent considerable time at the Museum examining the collections, and assistance has been given others by loaning specimens, etc.

Early in the year, the Associate Curator, Dr. Hovey, was granted leave of absence for eleven weeks, in order that he might join an expedition to northwestern Mexico for the purpose of examining the mineral resources of the region. As the region traversed was one entirely new to geologists, Dr. Hovey secured for the Museum 325 specimens of minerals, 425 valuable negatives and data for several scientific papers.

In September, Dr. Hovey was sent to Portland, Oregon, to examine the famous "Willamette" meteorite. While on this mission, he procured valuable series of ores and other economic products from Montana, Colorado, Oregon, Wyoming, Utah, Idaho, California and Alaska, together with series of samples illustrating the separation of platinum, gold and other valuable substances from ocean and river sands.

The Curator has prepared for publication an article "Notice of Jurassic Fossils from Franz Josef Land," and the Associate Curator, besides continuing to have charge of the *Museum Journal*, has published several papers.

A series of instructive models, or relief maps, of the island of Martinique and of the volcano of Mt. Pelé has been prepared by the Department of Preparation and Installation and placed in the exhibition hall. The models represent the volcano at three stages of its history: (a) at the time of its first eruption, May 8, 1902; (b) at the close of the period of its greatest activity, August 30, 1902, and (c) in April and May, 1903, when the marvelous cone and surmounting spine found within the crater were at their maximum development.

DEPARTMENT OF MAMMALOGY AND ORNITHOLOGY.—Several important installations of groups have been finished and others are well under way. The striking Flamingo Group and a group illustrating the bird life of the irrigated portion of the San Joaquin Valley, California, have been completed and opened to the public. Two Bahama bird groups, the White-crowned Pigeon and Ani, have been installed, and considerable work has been done on the Sandhill Crane and Pelican Island groups.

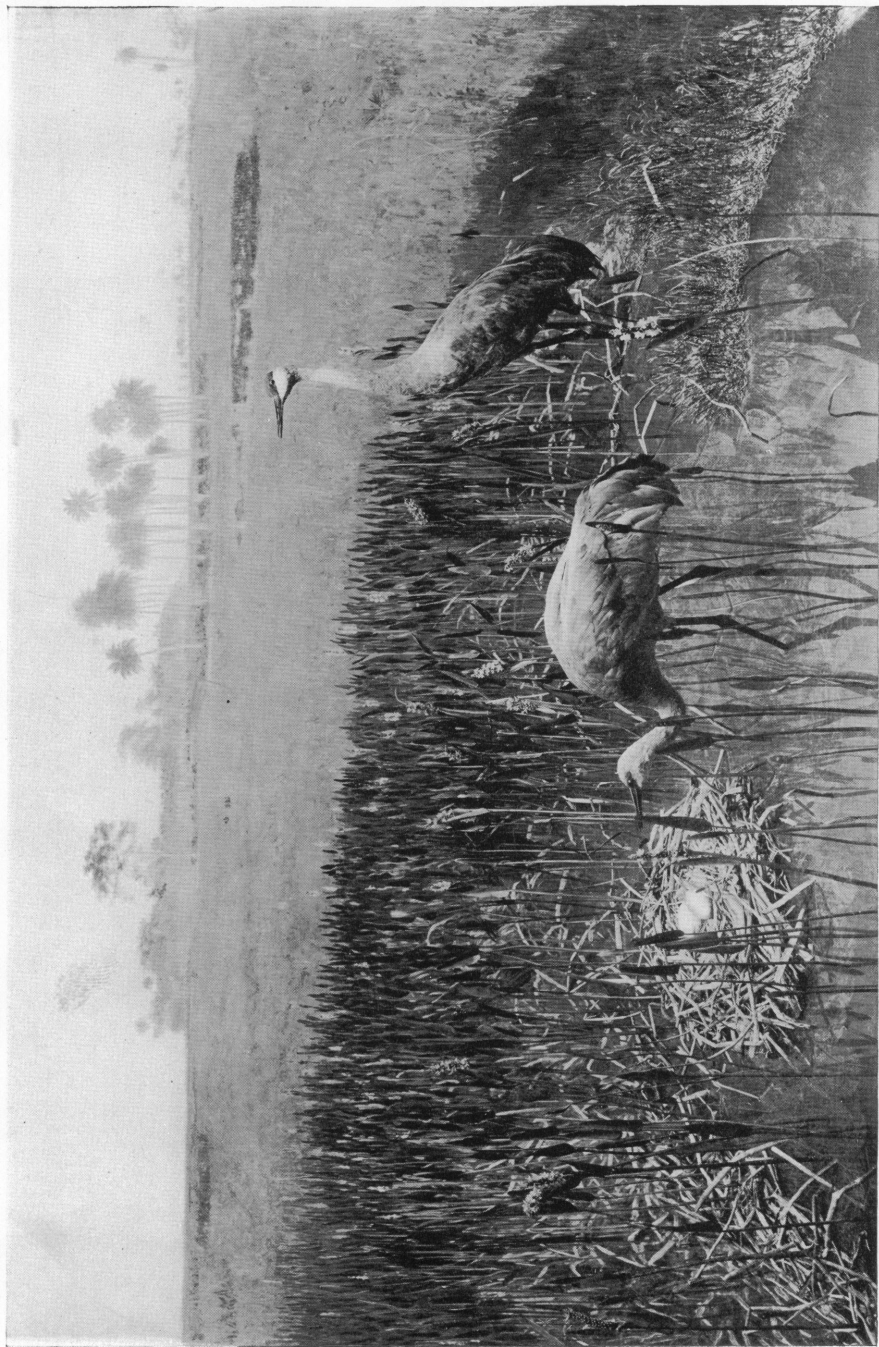
Of mammals, the Mexican Collared Peccary has been completed, and progress has been made in the preparation of the Roosevelt Elk, the big Alaskan Peninsula Bear, Coati, Antelope and Polar Bear groups.

Mr. J. H. Batty has continued to collect in Mexico for the Museum, and has prepared and shipped 1,520 mammal skins and 1,680 bird skins, besides numerous reptiles and invertebrates which have been turned over to the Department of Invertebrate Zoölogy. Most of this material was collected in the State of Jalisco, and includes some very valuable species.

On an expedition to the State of Washington in search of elk, Mr. J. D. Figgins obtained accessories for the Elk Group and specimens and accessories for a Beaver Group. The beaver is particularly interesting as representing a form peculiar to the humid region of the Northwest.

Besides the accessions already noted, special mention should be made of a splendid series of skulls of the Hippopotamus and the Giraffe, the gift of Mr. George S. Bowdoin; 358 mammals and 525 birds, collected in Chiriqui, Panama, the gift of Mr. J. H. Batty, and various specimens of mammals and birds, received in the flesh, through the courtesy of the New York Zoölogical Society and the Central Park Menagerie.

A notable acquisition has been received from Miss M. R. Audubon and Miss Florence Audubon. It comprises several original colored drawings of great value and articles of dress and field equipment belonging to their grandfather, the eminent naturalist and bird lover, John James Audubon. In the collection are many sketches and paintings made by his son, J. W. Audubon.



THE SANDHILL CRANE GROUP.

The funds for collecting and mounting this group were provided by friends of the Museum who have contributed to the North Pacific Ornithological Fund. Background painted by Bruce Horstall. Birds mounted by Herbert Lang.



The total accessions for the year are 2,172 mammals and 2,420 birds.

The general work of the department has progressed satisfactorily. The cataloguing and identification of the birds collected by Mr. J. H. Batty, and the rearrangement of the study collections of birds have been continued by Mr. Miller under Mr. Chapman's supervision. The index, or systematic catalogue of mammals, is well advanced.

DEPARTMENT OF VERTEBRATE PALÆONTOLOGY.—The most noticeable event in the work of this department was the completion of the installation of the great amphibious Dinosaur, *Brontosaurus*, discovered near Medicine Bow, Wyoming, by the Museum Expedition of 1898, and collected during the summer of 1899. This gigantic reptile is nearly 70 feet in length and over 15 feet in height; it occupies the center of the new Hall of Fossil Reptiles. The *Brontosaurus* has attracted a great deal of attention in the press, and has proved to be one of the most interesting exhibits in the Museum. Other noteworthy installations have been the skeletons of *Diplodocus*, a long-limbed Dinosaur; *Ornitholestes*, a small "bird-catching" Dinosaur; *Stegosaurus*, an armored herbivorous Dinosaur; *Hadrosaurus*, a duck-billed herbivorous Dinosaur; *Allosaurus*, a bipedal carnivorous Dinosaur; also of the great skull of *Triceratops*, a three-horned herbivorous Dinosaur, and finally of portions of the skeleton of *Tyrannosaurus*, a newly-discovered carnivorous and bipedal Dinosaur of immense size. The fine exhibit of fossil turtles and tortoises, occupying two alcoves in the Dinosaur Hall, is now nearly complete.

The mounting of the splendid mammoth skeleton from Indiana is nearing completion. This fine skeleton is a most important addition in filling in the gaps in our series of fossil mammal skeletons, and will make a striking centerpiece for the hall. It is a mammoth of the largest size, standing fully 13 feet high, considerably exceeding the skeleton in the St. Petersburg Museum, and quite as large as the skeleton in the Paris Museum. The skeleton of a four-toed horse, obtained in the Bridger Basin last summer, is being prepared. This will give

us the Middle Eocene stage in the evolution of the Horse, intermediate between the Lower Eocene and Oligocene horse skeletons now on exhibition.

The field explorations have yielded several important accessions. The Harriman expedition to Bone Cabin Quarry succeeded in obtaining a considerable part of the skeleton of another of the small Dinosaurs of the Jurassic Period. These reptiles are as yet incompletely known, but probably they were characteristic animals of the dry land during the Age of Reptiles.

The expedition to the Cretaceous of Montana was a very successful one. By dint of extensive and heavy quarrying the greater part of the skeleton of the giant carnivorous Dinosaur, *Tyrannosaurus*, was obtained.

From the Bridger Basin was obtained a number of specimens of which the most important is a mountable skeleton of the four-toed horse, *Orohippus*. Three years of exploration in this basin, the richest locality in this country for fossil vertebrates of the Eocene period, have added to our collections a splendid series of skulls and skeletons, especially of the smaller species hitherto very imperfectly known.

DEPARTMENT OF ANTHROPOLOGY.—Considerable progress has been made in cataloguing the new collections received during the year and also several not previously catalogued.

The problem of storing duplicate and study specimens has been a difficult one. Early in the fall the rooms vacated by the Department of Preparation and Installation were assigned to this department and were equipped with a number of large storage cases. This additional room has made it possible to classify a large amount of material and to arrange it satisfactorily.

The time of Dr. Clark Wissler, the Acting Curator, has been taken up with the routine duties of his office, the care of the exhibition halls and the general supervision of the work of the department. He has continued his investigations of the ethnology of the Plains Indians, giving special attention to their material culture, and in addition, he is engaged in a

general ethnographic survey of North America, in order to determine the limits of the different culture areas.

In January, Dr. Farrand resigned as Associate Curator in order to accept the executive secretaryship of the National Association for the Study and Prevention of Tuberculosis. While we extend our heartiest congratulations to Dr. Farrand on his new appointment, we feel the keenest regret that the Museum has lost the services of an efficient officer.

Dr. Laufer, Mr. Pepper and Mr. Bandelier have made progress in their respective departments.

The field work has yielded good results. Dr. William Jones is now visiting the Ojibway Indians, where he is studying their religious and industrial life. Dr. P. E. Goddard has secured important data among the Sarcee Indians, a tribe living upon the border between the plains and the forest and presenting two types of culture. Mr. Edward Sapir has made a small collection at the Yakima Indian Reservation. Mr. Frank G. Speck has been working among the Uchee Indians. Miss Constance G. DuBois has been doing volunteer work among the Mission Indians. J. B. Walker, M.D., is continuing his volunteer work among the Dakota. Mr. D. C. Duvall has added materially to our Blackfoot collections.

Perhaps the most important accession received has been the extensive and valuable collection, illustrating the ethnology of the Philippine Islands, which was secured at St. Louis and presented to the Museum by the President.

Other notable accessions are extensive African collections, the gift of Mr. George S. Bowdoin; a unique "mummy" from South America, presented by Mr. J. Pierpont Morgan; a large collection of baskets and ceremonial objects, by Mr. Adolph Lewisohn; a number of valuable Indian specimens, by Mrs. Albert Bierstadt, and a fine collection of Socorro pottery by Mr. George G. Heye.

Through the generosity of Mr. George Foster Peabody, Mr. Robert C. Ogden and Mr. Arthur Curtiss James, the Museum has received a valuable oil painting, entitled, "The Song of the Innookshuee." The painting was made in 1894, by Mr. F. W. Stokes, while in Greenland with Commander

Peary. In accordance with the wish of the donors it has been placed in the Library, where it may be seen by the public.

MEXICAN AND CENTRAL AMERICAN ARCHÆOLOGY.—Through exchanges with other institutions, material has been received which greatly strengthens the Museum's exhibit of Mexican archæology, largely given us by the Duke of Loubat. The rearrangement of the collections in the Mexican Hall has been continued with a view to bringing out the distinction between the different cultures of Mexico, South Central America and Panama.

The most important work done, however, was the painting of the cast of the sculptured side of a room in the ruins of Chichen Itza, Yucatan. Through the assistance of Miss Adela Breton, of England, we are able to show the painting of the sculptures as they probably appeared in ancient times. This painting has brought out the figures to a remarkable extent and has added a great deal of interest to the cast.

JESUP NORTH PACIFIC EXPEDITION.—Since May, Professor Boas has paid particular attention to the publication of the results of this expedition. The memoirs are being printed by E. J. Brill, of Leiden, and the following parts were issued during 1905:

Vol. III, Part III. "Kwakiutl Texts." By Franz Boas and George Hunt.

Vol. V, Part I. "Contributions to the Ethnology of the Haida of Queen Charlotte Islands." By John R. Swanton.

Vol. VI, Part I. "Religion and Myths of the Koryak." By Waldemar Jochelson.

In connection with the researches among the North American Indians, Professor Boas has discussed the anthropometric material collected by Dr. Dixon and others on expeditions to California. This paper was published as Part IV of Volume XVII of the *Bulletin*. Dr. Dixon has prepared the





**THE GEM HALL.**  
New installation of gems and precious stones,



manuscript of the description of the Shasta, which, as Part V, will close Volume XVII.

EAST ASIATIC COMMITTEE.—During the past year the field work was concluded and Dr. Laufer has devoted his time to the classification and arrangement of the Chinese collection, and to his researches on the collection of ancient Chinese pottery. His manuscript on the pottery of the Han period is practically completed. To assist him in his studies, Dr. Laufer has made use of several collections of Chinese pottery belonging to art collectors, generously loaned to him for the purpose, and in this connection we wish especially to acknowledge the courtesies extended by Mr. Marsden J. Perry, of Providence, R. I., and Mr. Thomas B. Clarke and Mr. R. H. Williams, of New York City.

DEPARTMENT OF ENTOMOLOGY.—Good progress has been made in rearranging the collections and in installing new exhibits. Of special mention are specimens representing six races of the honey-bee; a series of queen cells; some unusual forms of comb of the domesticated honey-bee, built on branches of trees, and wax models of certain insect-galls.

There are now on exhibition 22,600 specimens of insects, nevertheless much is yet to be added to bring the collection up to a proper standard of completeness and usefulness.

The Curator has procured 1,800 insects, which he has mounted in sixty cases for circulation in the public schools. Each case illustrates the life-history of the cecropia moth, development of the monarch butterfly, life and work of the honey-bee, and common household pests.

Arrangements have been made with the following experts for the identification of special groups of insects, and their assistance is gratefully acknowledged:

Mr. Otto Heidemann.....	Washington, D. C.
Mr. E. P. Van Duzee.....	Buffalo, N. Y.
Prof. H. Osborn.....	Columbus, O.
Prof. P. R. Uhler.....	Baltimore, Md.
Dr. W. H. Ashmead.....	Washington, D. C.

Mr. Nathan Banks.....	East Falls Church, Va.
Mr. Alexander D. MacGillivray..	Ithaca, N. Y.
Mr. E. S. G. Titus.....	Washington, D. C.
Dr. W. G. Dietz. ....	Hazleton, Pa.
Mr. E. A. Schwarz.....	Washington, D. C.
Prof. A. D. Hopkins.....	Washington, D. C.
Mr. W. Fiske.....	Washington, D. C.
Mr. H. L. Viereck.....	Philadelphia, Pa.
Mr. A. P. Morse.....	Wellesley, Mass.
Prof. James G. Needham.....	Lake Forest, Ill.
Dr. F. C. Paulmier.....	Albany, N. Y.
Prof. P. P. Calvert.....	Philadelphia, Pa.
Mr. James A. G. Rehn.....	Philadelphia, Pa.

DEPARTMENT OF MINERALOGY AND CONCHOLOGY.—The attractiveness of the Morgan Gem Collection continues and has been increased by giving it more commodious quarters and by installing it in more appropriate cases. The entire room has been assigned to gems and to the more striking minerals. Large showy specimens have been placed in the wall cases in such a way as to bring out their beauty to the best advantage. Appropriate labels are being prepared, and in a few weeks the installation will have been completed.

Again we are indebted to Mr. J. Pierpont Morgan for his generosity in adding nearly two hundred specimens to this already priceless collection.

The income from the Bruce Fund has made possible the purchase of a number of desirable minerals, among which may be mentioned twenty-eight specimens of amber and a jade labret of remarkable character.

One of the notable acquisitions during the year was a very large number of miscellaneous shells from the Philippine Islands, which formed part of the Philippine exhibit at St. Louis secured by the Museum. With the aid of these shells, many lacunæ in the collection have been filled.

DEPARTMENT OF INVERTEBRATE ZOÖLOGY.—During the early part of the year a card catalogue of the fishes was taken up and the study collections cleaned and carefully rearranged.

Considerable work has been done in the Synoptic Hall, which is now also used as temporary quarters for the mounted collection of reptiles and batrachians. Groups of the following forms have been mounted and placed in this hall: Land-crabs of the Bahamas, Copperhead Snakes, Mexican Iguana, Mexican Heloderma, and Texas Rattlesnakes. Two collections representing the local reptiles and amphibians have also been installed. These latter were brought together to illustrate two guide leaflets, written by R. L. Ditmars, of the New York Zoölogical Park, and published by the Museum.

Dr. Dahlgren and Mr. Mueller have constructed twelve models of marine and fresh-water invertebrates, nearly completing the series of Cœlenterate types and making an important addition to the Rotiferan and Polyzoan alcoves, which hitherto have been almost empty. Descriptive labels of the new groups have been completed.

Among a number of important acquisitions, special mention should be made of a fine series of Philippine corals, a magnificent sea-fan and two enormous Tridacna shells, all purchased by the Museum.

During May, Dr. Wheeler, the Curator, made an expedition to New Mexico, Arizona and California for the purpose of studying the invertebrate fauna and the vegetation of the desert. The nesting habits of several interesting species were observed for the first time, and valuable photographs of nest architecture, characteristic desert environment, etc., were secured.

The Assistant Curator, Mr. Sherwood, has given all of his time to superintending and making up the school collections and organizing and participating in the lectures to the school children at the Museum. The small nature-study collections which the Museum loans to the public schools of the City proved so useful to teachers, and the demand for them was so great, that it was found necessary to increase their number. During the summer more than 600 bird skins were purchased and mounted, and new collections of insects and woods were prepared. At the present time there are 400 cabinets of specimens available for this work, representing birds, insects, mollusks, crabs, starfishes, worms, corals, sponges and native

woods. During the school year, ending June 30, 1905, these cabinets were in use in 200 schools and were studied by more than 375,000 children. These specimens are used by the teachers not only for pure nature-study work, but as models for drawing lessons, written and oral language work, conversation lessons, dictation exercises and in connection with reading.

Continuing the work inaugurated last year, a spring and a fall course of informal lectures for school children have been delivered at the Museum by members of the scientific staff. There were thirty-six lectures in each course, a detailed list of which will be found on page 33. The lectures were given on Monday, Wednesday and Friday afternoons and were very popular. More than 20,000 pupils attended the spring series, and fully 15,000 were present during the fall course.

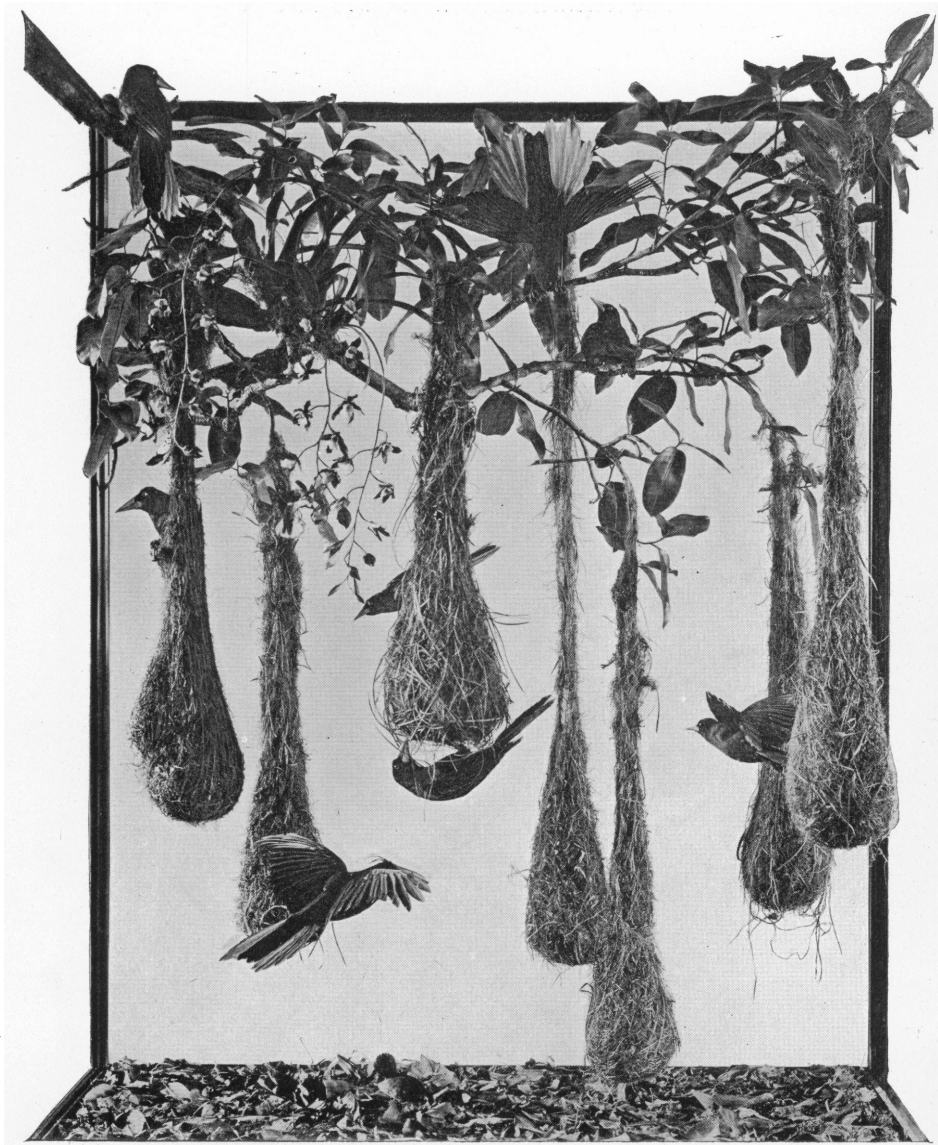
An unusual number of classes has visited the Museum for purposes of study, and frequently teachers have asked to have the classrooms reserved, in order that they might give their pupils special lectures.

At the request of a number of teachers and principals of West Side schools, a laboratory course on birds and insects was arranged for teachers, and Mr. Jules M. Johnson, of the Morris High School, was engaged to conduct it. About 50 teachers attended.

It is gratifying to report the increased use in this manner of the Museum's collections, and the continued friendly relations which exist between this institution and the various branches of the school system of the City.

DEPARTMENT OF PHYSIOLOGY.—By an arrangement made early in the year, this department has had under its direction the care of the animals received at the Museum and the preparation of skeletons. Dr. C. W. Muenchehofe has had immediate charge of this work and has personally performed most of the autopsies.

More than two hundred animals have been received in the flesh, as noted in the list of accessions; sixty autopsies have been performed, and eighty-one complete skeletons and twenty-three skulls have been prepared.



CRESTED CASSIQUE GROUP.

The funds for collecting and mounting this group were provided by friends of the Museum who have contributed to the North American Ornithological Fund.

Birds mounted by Herbert Lang. Group prepared by J. D. Figgins.





The preparation of skeletons by the old process is very slow, several weeks being required to complete a single skeleton. This method is entirely inadequate to take care of the material received. After many experiments, the department has adopted a process of digestion with trypsin in an alkaline solution, which is not only a rapid method but leaves the bones in a perfectly sweet condition as well as avoiding many of the injuries, particularly to small bones, which occur by maceration. This work is greatly hampered, however, by the lack of proper equipment and suitable quarters.

Satisfactory progress has been made in the preparation of corrosion specimens of the various organs of the animal body.

A part of the room west of the Mexican Hall has been allotted to the department for exhibition purposes. A general plan of installation has been tentatively formulated, illustrating the chemical constitution of man and the various functions performed by the different organs of the body. Some of the material for this exhibit is well under way.

Dr. George W. Crary, a well-known specialist of this City, has given to the department the benefit of his wide experience and is making a comparative histological study of the skin of vertebrates. It is expected that from these preparations wax models can be constructed which will be valuable for Museum exhibition.

We are pleased to acknowledge the many courtesies extended to the Museum by the Director of the Aquarium, the Director of the New York Zoölogical Society and the Director of the Central Park Menagerie.

DEPARTMENT OF PREPARATION AND INSTALLATION.—The members of this department have been fully occupied. A large number of models of invertebrates have been completed, the accessories for several bird and mammal groups have been prepared, and installations of these have been made, as noted under the various departments. The making of casts and the general photographic work for the Museum have been under the direction of this department.

During the summer the laboratories in the new power wing were completed and the equipment was transferred in September to the new quarters. These rooms are commodious and well adapted to the needs of the department.

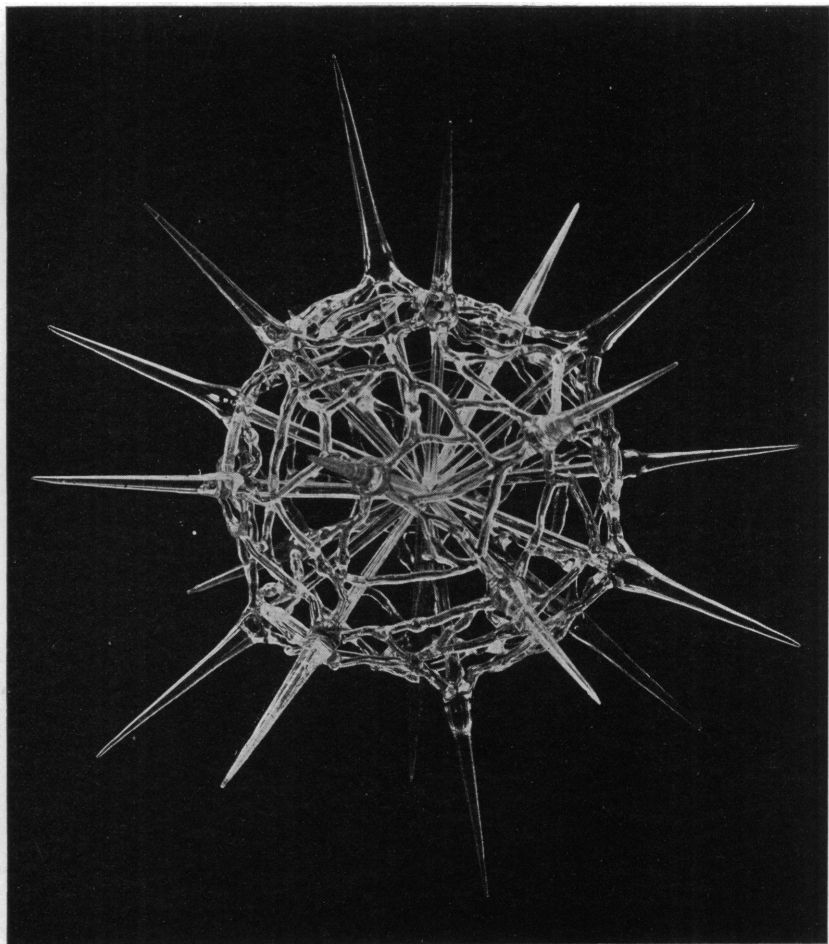
Several of those working under Dr. Dahlgren were transferred to Mr. J. D. Figgins, who now has general charge of the preparation of the higher animals and of plants for exhibition purposes, and the making of archæological models and replicas. Mr. James L. Clark has been placed in charge of the mounting of all large mammals and reptiles.

DEPARTMENT OF BOOKS AND PUBLICATIONS.—The energies of the department have been especially devoted to cataloguing, and this important work is now completed for the entire Library, with the exception of a few sections. During the year 4,948 volumes, 871 numbers, and 9,128 pamphlets have been classified and catalogued. These, added to the work previously completed, give the Library a total of 32,014 volumes and 16,584 pamphlets properly classified, catalogued and ready for use.

The more important accessions for the year are a gift from Professor J. A. Allen of 3,793 pamphlets; a gift from Dr. William M. Wheeler of many articles on entomology; a gift from Mr. J. Pierpont Morgan of seven volumes of plates of the fishes from the island of Mauritius; a purchase of 700 plates on Animal Locomotion by Muybridge; a gift of 218 volumes from the estate of the late George L. Hyslop; a gift from Miss A. A. Drummond of 24 volumes, and a gift from General J. Watts de Peyster of 15 volumes.

During the year, 15,069 cards from the Concilium Bibliographicum have been received and distributed in the Concilium System. There has also been received on deposit one complete set of cards, to which have been added 15,069 cards during the year, according to the agreement between the American Museum and the Concilium Bibliographicum.

Following is a list of the scientific publications of the Museum issued in 1905, as received by the Curator for distribution and exchange:



**A RADIOLARIAN.**

Model in glass representing silicious skeleton of a radiolarian, a minute animal found in the tropical Atlantic. Prepared at the Museum,



DEPARTMENT OF GEOLOGY AND INVERTEBRATE PALÆONTOLOGY.

*Bulletin*, Volume XXI.

R. P. Whitfield. "Notice of a New Crinoid and a New Mollusk from the Portage Rocks of New York." (Pages 17-20, plates i-iv.)

R. P. Whitfield. "Descriptions of New Fossil Sponges from the Hamilton Group of Indiana." (Pages 297-300.)

R. P. Whitfield. "Notice of a New Species of *Fasciolaria* from the Eocene Green Marls at Shark River, N. J." (Pages 301-303, with 2 text figures.)

DEPARTMENT OF MAMMALOGY AND ORNITHOLOGY.

*Bulletin*, Volume XXI.

J. A. Allen. "Report on the Birds Collected in Northeastern Siberia by the Jesup North Pacific Expedition, with Field Notes by the Collectors." (Pages 219-257.)

J. A. Allen. "Supplementary Notes on Birds Collected in the Santa Marta District, Colombia, by Herbert H. Smith, with Descriptions of Nests and Eggs." (Pages 275-295.)

F. M. Chapman. "A Contribution to the Life History of the American Flamingo (*Phenicopterus ruber*) with Remarks upon Specimens." (Pages 53-77, with 16 text figures.)

W. de W. Miller. "List of Birds Collected in Southern Sinaloa, Mexico by J. H. Batty, during 1903-1904." (Pages 339-369.)

DEPARTMENT OF VERTEBRATE PALÆONTOLOGY.

*Bulletin*, Volume XXI.

O. P. Hay. "On the Group of Fossil Turtles known as the Amphiche-lydia; with Remarks on the Origin and Relationships of the Suborders, Super-families and Families of Testudines." (Pages 137-175, with 5 text figures.)

O. P. Hay. "A Revision of the Species of the Family of Fossil Turtles called Toxochelyidæ, with Descriptions of Two New Species of *Toxochelys* and a New Species of *Porthochelys*." (Pages 177-185, with 16 text figures.)

O. P. Hay. "On the Skull of a New Trionychid, *Conchochelys admirabilis*, from the Puerco Beds of New Mexico." (Pages 335-338, with 3 text figures.)

L. Hussakof. "Notes on the Devonian 'Placoderm,' *Dinichthys intermedius* Newb." (Pages 27-36, with 2 text figures.)

L. Hussakof. "On the Structure of Two Imperfectly Known Dinichthy-ids." (Pages 409-414, plates xv-xvii, with 2 text figures.)

W. D. Matthew. "Notice of Two Genera of Mammals from the Oligo-cene of South Dakota." (Pages 21-26, with 6 text figures.)

H. F. Osborn. "Tyrannosaurus and Other Cretaceous Carnivorous Dinosaurs." (Pages 259-265, with 2 text figures.)

## DEPARTMENT OF ANTHROPOLOGY.

*Memoirs of the Jesup North Pacific Expedition.*

Franz Boas and George Hunt. "Kwakiutl Texts." Volume III, Part III. (Pages 403-532.)

W. Jochelson. "Religion and Myths of the Koryak." Volume VI, Part I. (Pages 1-382, plates i-xiii, with 58 text figures and 1 map.)

J. R. Swanton. "The Haida of Queen Charlotte Islands." Volume V, Part I. (Pages 1-300, plates i-xxvi, with 31 text figures and 4 maps.)

*Bulletin*, Volume XVII.

Franz Boas. "Anthropometry of Central California." Part IV. (Pages 347-380, plates l-lviii.)

R. B. Dixon. "The Northern Maidu." Part III. (Pages 119-346, with 67 text figures.)

*Bulletin*, Volume XXI.

G. F. Kunz. "On the Ancient Inscribed Sumerian (Babylonian) Axe-Head from the Morgan Collection in the American Museum of Natural History." (Pages 37-47, with 13 text figures.)

J. D. Prince and R. Lau. "An Ancient Babylonian Axe-Head." (Pages 49-52, plate vi.)

## DEPARTMENT OF ENTOMOLOGY.

*Bulletin*, Volume XXI.

Nathan Banks. "Descriptions of New Species of Neuropterous Insects from the Black Mountains, N. C." (Pages 215-218.)

E. P. Van Duzee. "Notes on Australian Pentatomidæ, with Descriptions of a Few New Species." (Pages 187-214.)

## DEPARTMENT OF INVERTEBRATE ZOOLOGY.

*Bulletin*, Volume XXI.

W. M. Wheeler. "An Interpretation of the Slave-Making Instincts in Ants." (Pages 1-16.)

W. M. Wheeler. "The Ants of the Bahamas, with a List of the Known West Indian Species." (Pages 79-135, plate vii, with 23 text figures.)

W. M. Wheeler. "New Species of *Formica*." (Pages 267-274.)

W. M. Wheeler. "The North American Ants of the Genus *Dolichoderus*." (Pages 305-319, plates xii and xiii.)

W. M. Wheeler. "The North American Ants of the Genus *Liometopum*." (Pages 321-333, with 3 text figures.)

W. M. Wheeler. "An Annotated List of the Ants of New Jersey." (Pages 371-403, with 4 text figures.)

W. M. Wheeler. "Worker Ants with Vestiges of Wings." (Pages 405-408, plate xiv.)

*The American Museum Journal*, Volume V, published in four numbers, with the following Guide Leaflets:

W. D. Matthew. "The Fossil Carnivores, Marsupials and Small Mammals in The American Museum of Natural History." (Leaflet No. 17, January, pages 1-41, with 27 text figures.)

W. D. Matthew. "The Mounted Skeleton of *Brontosaurus* in The American Museum of Natural History." (Leaflet No. 18, April, pages 1-12, with 4 text figures.)

R. L. Ditmars. "The Reptiles of the Vicinity of New York City." (Leaflet No. 19, July, pages 87-140, with 47 text figures.)

R. L. Ditmars. "The Batrachians of the Vicinity of New York City." (Leaflet No. 20, October, pages 155-206, with 28 text figures.)

DEPARTMENT OF MAPS AND CHARTS.—The classification and rearrangement of the maps and charts have been continued. Large fire-proof cases for storage have been constructed and equipped to receive the frames to which the maps are bound.

Contributions to this department have been received from General J. Watts de Peyster, Dr. H. C. Bumpus, Professor Henry F. Osborn and Mr. F. W. Bauer. The accessions have been:

By Donation.....	Atlases 4.....	Maps 631.....	Charts 3
" Exchange..	" 3.....	" 19.....	" 0
" Purchase.....	" 0.....	" 104.....	" 47
Total.....	7.....	754.....	50

ATTENDANCE.—It is gratifying to report the unusually large increase in the number of visitors to the Museum. The attendance for 1904 was 402,449, a considerable gain over that of previous years, but during 1905, 565,489 visitors were recorded, an increase of more than 25% over the figures for 1904. This growing popularity of the Museum is due in part to the opening of several striking exhibits, particularly the huge *Brontosaurus*, and the Flamingo and San Joaquin Valley bird groups; to the improvement of the installation of old collections, and to the continued intimate relations between the Museum and the Public Schools. More than 46,000 children have visited the Museum in classes for lectures and

purposes of study, and about 50,000 people have been present at the various public lectures.

ASSOCIATED SOCIETIES AND ORGANIZATIONS.—The two small assembly rooms have been improved by changes remedying, in a great measure, their defective acoustic properties, and throughout the year they have been in great demand for the meetings of various scientific societies which have sought affiliation with the Museum. Occasionally the large auditorium has been required for the accommodation of such organizations.

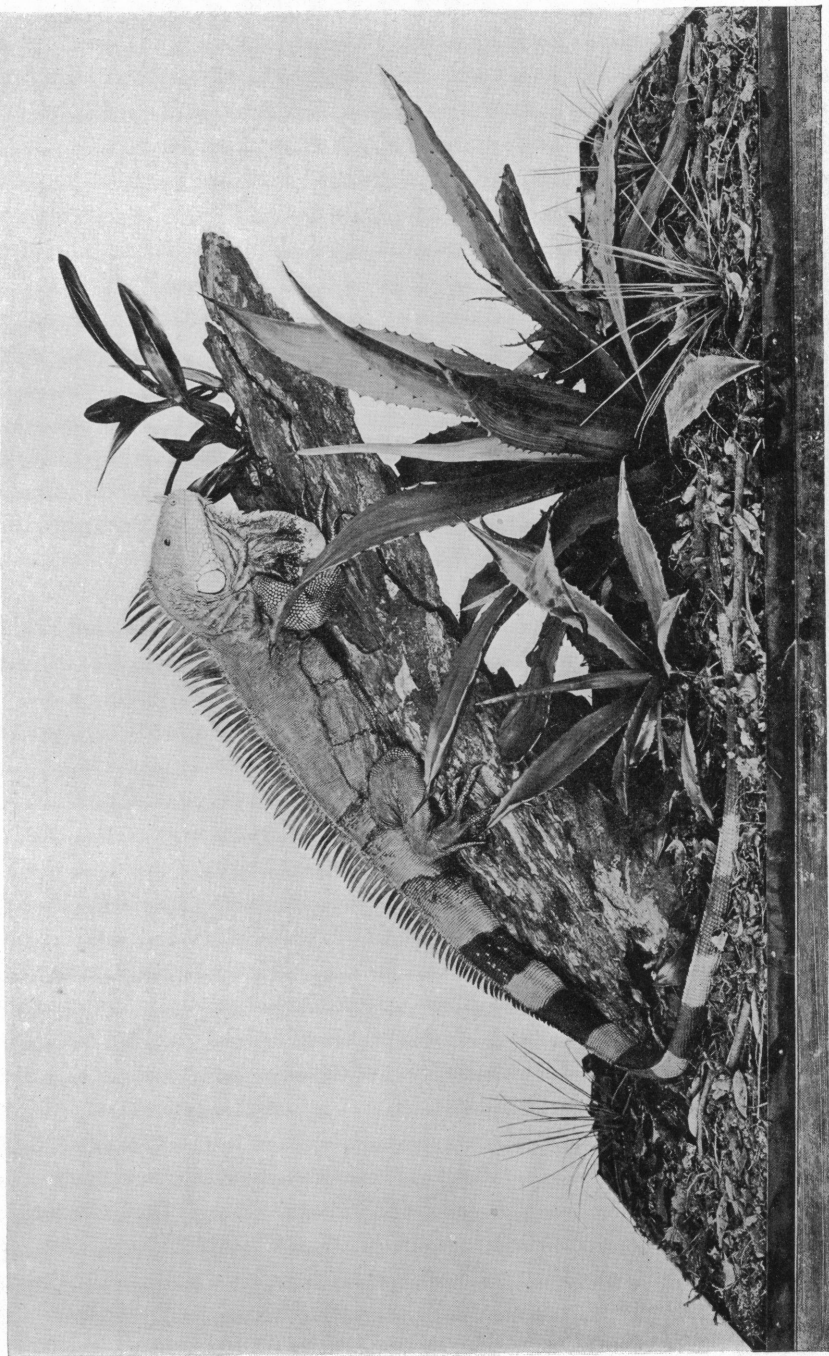
Early in the year the Board of Education of the City asked permission for the temporary use of one of the exhibition halls, in which to install the collections illustrating the work done in the public schools, and comprising the exhibit of the Board at the St. Louis Exposition. This was desired in order that the public might become more familiar with the work that the schools are doing, and that the teachers might have an opportunity to study the methods and results of others. The East Mammal Hall was assigned for this purpose and was occupied by the school exhibit from March till August.

In November the Siberian Hall was given over to the American Tuberculosis Exhibition for the display of an instructive exhibit showing the results of the dread disease and the best methods to check its spread. In connection with the exhibition eminent men delivered lectures at the Museum on various phases of this important subject. The Board of Health of the City was given permission to use one of the small assembly rooms for the temporary installation of its exhibit at the St. Louis Exposition.

The following societies and classes have shared the hospitality of the Museum during the past year:

- New York Academy of Sciences.
- New York Entomological Society.
- Linnæan Society of New York.
- New York Mineralogical Club.
- Audubon Society of the State of New York.
- National Association of Audubon Societies for the Protection of Wild Birds and Animals.
- American Chemical Society.





**MEXICAN IGUANA.**

Large crested tropical lizard, often growing to a length of five or six feet. Mounted at the Museum.



Germanistic Society of America.  
Torrey Botanical Club.  
Sequoia League.  
American Ethnological Society.  
West Side Natural History Society.  
American Ornithologists' Union.  
American Psychological Association, New York Section.  
American Tuberculosis Exhibition.  
American Society of Palæontologists.  
Natural Science Committee of the Associated Alumnae of the Normal College, New York City.  
Classes in Palæontology of Columbia University.  
Classes of Teachers in Nature Study, University Extension.  
Classes from School of Decorative and Applied Art.

TRANSPORTATION.—The increase of the scope of the Museum's work necessitates extended explorations. These explorations are too often limited in their results, especially in distant fields, because of the difficulties of transporting the material secured. The generous aid, however, of various railways in granting passes to our curators and assistants to and from their distant fields of explorations and in carrying the collections at reduced rates has made possible field operations which otherwise would not have been undertaken, and I wish to acknowledge our indebtedness to these companies. The following have extended many courtesies to us during the past year:

Atchison, Topeka and Santa Fe Railway.  
Canadian Northern Railway.  
Canadian Pacific Railway.  
Chicago, Burlington & Quincy Railway.  
Chicago, Milwaukee & St. Paul Railway.  
Chicago & Northwestern Railway.  
Erie Railroad.  
Great Northern Railway.  
Northern Pacific Railway.  
Oregon Railroad & Navigation Company.  
Oregon Short Line Railroad.  
Pennsylvania Railroad.  
Southern Pacific Company.  
Union Pacific Railroad.  
Wabash Railroad.

LECTURES.—Several lecture courses have been delivered during the year. These include (1) a spring and a fall course to Members of the Museum, (2) a public course given on holidays, (3) a course given in conjunction with Columbia University, (4) a spring and a fall course to pupils of the public schools, (5) a nature study course to teachers, (6) a course under the auspices of the Board of Education of the City of New York, in coöperation with the Museum.

## LECTURES TO MEMBERS.

Members of the scientific staff of the Museum delivered the following lectures:

January	5.—Mines, Quarries and "Steel Construction" . . . Louis P. Gratacap
"	12.—Western Holland—Middleburg to Helder, Prof. Albert S. Bickmore
"	19.—Eastern Holland—Utrecht to Groningen, Prof. Albert S. Bickmore
February	2.—The Traveling Indian Medicine Men of Bolivia. A. F. Bandelier
"	9.—Religious and Ceremonial Life of the North American Indians . . . . . Dr. Livingston Farrand
"	16.—Ruins of Mayan Cities in Central America, Prof. Marshall H. Saville
"	23.—Explorations in the Southwest and in Mexico during 1904. . . . . George H. Pepper
March	2.—The Game and Food Fishes of Our Atlantic Coast, George H. Sherwood
"	9.—The Habits of Ants. . . . . Dr. William Morton Wheeler
"	16.—Northern Germany—Bremen, Hamburg and Lubeck, Prof. Albert S. Bickmore
"	23.—Southern Germany—Stuttgart, Nuremberg and Rothen- burg. . . . . Prof. Albert S. Bickmore
November	9.—The Bird Life of Florida. . . . . Frank M. Chapman
"	16.—Newfoundland: Its Scenery and People. . . Louis P. Gratacap
"	23.—Northern Mexico: Its Deserts, Plateaus and Canyons, Dr. Edmund Otis Hovey
December	7.—The Museum's Rocky Mountain Explorations of 1905, Prof. Henry Fairfield Osborn
"	14.—The Philippines—Manila. . . . . Prof. Albert S. Bickmore
"	21.—The Philippines—Luzon . . . . . Prof. Albert S. Bickmore

## PUBLIC LECTURES ON HOLIDAYS.

New Year's Day, January 2.—What the Lover of Nature may find in  
our City Parks . . . . . Louis P. Gratacap  
Washington's Birthday, February 22.—Holland. . . . Prof. Albert S. Bickmore

Thanksgiving Day, November 30.—Antwerp, Brussels and Waterloo,  
Prof. Albert S. Bickmore  
Christmas Day, December 25.—Northern Mexico: Its Deserts, Plateaus  
and Canyons.....Dr. Edmund Otis Hovey

COLUMBIA UNIVERSITY LECTURES.

*In Coöperation with the Museum.*

A course of six lectures by Professor Henry Fairfield Osborn was given in coöperation with Columbia University, as follows:

- February 1.—The Horse as an Animal Mechanism.  
“ 6.—The Horse in Relation to the Idea of Evolution.  
“ 8.—The Fossil History of the Horse, especially in North America.  
“ 13.—The Fossil History of the Horse, continued.  
“ 15 —Existing Races of Horses, Asses and Zebras.  
“ 20.—Probable Origin of the Domesticated Breeds of Horses.

LECTURES FOR CHILDREN.

A spring and a fall course of lectures were given for pupils of the public schools and for the children of Members on Monday, Wednesday and Friday afternoons at four o'clock, as follows:

- March 6,\*April 3\*and May 8. —Russia and Japan,  
Dr. Edmund Otis Hovey  
“ 8, April 5 and May 10. —The Capitals of Europe,  
Dr. Ralph W. Tower  
“ 10, April 7 and May 12. —The Industries of the United States,  
George H. Sherwood  
“ 13, April 10 and May 15.\*—The American Indian,Harlan I. Smith  
“ 15, April 12 and May 17. —In Polar Regions..George H. Pepper  
“ 17, April 14 and May 19. —Spanish America,George H. Sherwood  
“ 20,\*April 24\* and May 22. —The Physical Divisions of the  
United States.....Dr. Edmund Otis Hovey  
“ 22, April 26 and May 24. —Egypt and Her Neighbors,  
Dr. William Morton Wheeler  
“ 24, April 28 and May 26. —Our Island Possessions,  
George H. Sherwood  
“ 27, and May 1 and 29.—Methods of Transportation, Past  
and Present .....Harlan I. Smith

\*On account of Dr. Hovey's absence from the City, the lectures on March 6 and April 3 were given by Mr. George H. Sherwood, and those on March 20 and April 24 by Mr. Barnum Brown. Mr. George H. Pepper delivered the lecture on May 15, owing to the illness of Mr. Harlan I. Smith.

- March 31, May 5 and June 2.—New York City, Past and Present,  
Louis P. Gratacap
- May 3 and 31.—The Work of Water.....Dr. Edmund Otis Hovey
- October 16, November 13 and December 11.—A Tour of Our Philip-  
pine Possessions.....George H. Sherwood
- “ 18, November 15 and December 13.—Methods of Transpor-  
tation, Past and Present.....Harlan I. Smith
- “ 20, November 17 and December 15.—A Trip through Mex-  
ico to Panama.....Prof. Marshall H. Saville
- “ 23, November 20 and December 18.—Life Among Our In-  
dians.....George H. Pepper
- “ 25, November 22 and December 20.—City Bird Life,  
Frank M. Chapman
- “ 27, November 24 and December 22.—The Industries of the  
United States.....George H. Sherwood
- “ 30, and November 27.—The Development of New York City  
Louis P. Gratacap
- November 1 and 29.—The Work of Water.....Dr. Edmund Otis Hovey
- “ 3.—Travels through Western Europe and British Isles,  
R. W. Miner
- “ 6 and December 4.—The Physical Divisions of the United  
States.....Dr. Edmund Otis Hovey
- “ 8 and December 6.—Our South American Neighbors..C. W. Mead
- “ 10 and December 8.—In the Nile Country.....R. W. Miner

## BOARD OF EDUCATION LECTURES.

*In Coöperation with the Museum.*

These lectures were given on Tuesday and Saturday evenings. The Tuesday evening lectures were on geographical subjects; the Saturday evening lectures consisted of several courses more technical in character.

*Tuesday Evenings.*

- January 3.—India: Life, Religion and Art of the Hindus,  
Prof. Walter S. Perry
- “ 10.—India under the Great Mohammedan Conquerors; The  
Taj Mahal .....Prof. Walter S. Perry
- January 17.—Spain of To-day, and the Alhambra, The Fairy Palace  
of Moorish Art.....Prof. Walter S. Perry
- “ 24.—Ceylon, “The Pearl of India”; and Chinese Cities,  
Prof. Walter S. Perry
- “ 31.—Japan: The Life and Customs of Her Remarkable  
People.....Prof. Walter S. Perry



CORMORANT GROUP.

The funds for collecting and mounting this group were provided by friends of the Museum who have contributed to the North American Ornithological Fund.  
Background painted by Charles J. Hittell. Birds mounted by Herbert Lang.





February	7.—Korea and Manchuria : The Land of the Morning Calm and the Gibraltar of China.....	Dr. John B. Devins
"	14.—The Real Filipino.....	Arthur Stanley Riggs
"	21.—Hawaii .....	Roland S. Dawson
"	28.—Around the Historic Mediterranean.....	Lewis Gaston Leary
March	7.—Venice of the Golden Ring.....	Gerhardt C. Mars
"	14.—Vesuvius and the Bay of Naples.....	Prof. Henry E. Northrop
"	21.—Travels in Greece.....	Dr. Clarence H. Young
"	28.—Wales and Her People .....	Henry H. Parry
April	4.—Scotland.....	Peter MacQueen
"	11.—Castles and Palace Homes of England...Prof.	Sutton Fletcher
"	18.—The Cathedrals and Abbeys of Britain...Prof.	Sutton Fletcher
"	25.—The St. Louis Exposition .....	Roland S. Dawson
October	3.—Sweden and Denmark.....	Frederick E. Partington
"	10.—Norway.....	Frederick E. Partington
"	17.—Japrusa (A comparative study of Japan and Russia), Dr. John C. Bowker	
"	24.—Imperial Austria.....	Frederick E. Partington
"	31.—Dolomite Alps and Southern Tyrol...Frederick E.	Partington
November	7.—A Tramp through Switzerland.....	E. Clowes Chorley
"	14.—The Rhine and the Black Forest .....	Prof. Henry Zick
"	21.—Imperial Berlin.....	Prof. Henry E. Northrop
"	28.—The Dutch at Home and their Grand Story, Dr. William E. Griffis	
December	5.—Social, Artistic and Literary Holland....Dr.	William E. Griffis
"	12.—Paris, City of Light.....	Ernest R. Holmes
"	19.—How France is Governed.....	Ernest R. Holmes

*Saturday Evenings.*

A course of eight lectures on "Electricity," by Professor Charles L. Harrington.

January	7.—Magnetism.	
"	14.—Statcal Electricity.	
"	21.—Statcal Electricity.	
"	28.—Dynamical Electricity.	
February	4.—Dynamical Electricity.	
"	11.—Dynamical Electricity.	
"	18.—Wireless Telegraphy.	
"	25.—Roentgen Rays ; Becquerel Rays.	

A course of eight lectures on "Sound and Music," by Professor E. R. von Nardroff.

March	4.—Nature of Sound.	
"	11.—Musical Tone and Stringed Instruments.	
"	18.—Sympathetic Tone and Musical Timbre.	

- March 25.—Simple Wind Instruments.  
 April 1.—Reed Wind Instruments.  
 “ 8.—Miscellaneous Musical Instruments.  
 “ 15.—Sound Waves and Musical Harmony.  
 “ 22.—Telephone and Phonograph.

A course of six lectures on “Evolution,” by Professor Samuel C. Schmucker.

- October 7.—A Master Mind. (An account of the life and work of Charles Darwin.)  
 “ 14.—His Master Idea. (Natural Selection.) ,  
 “ 21.—Down Through the Past. (The Geological History.)  
 “ 28.—What a Chicken can teach Us. (An account of embryology and domestication.)  
 November 4.—The Humming Bird’s History. (The evolution of a bird.)  
 “ 11.—The Flower’s Best Friend.

A course of three lectures on “The Industries of Animals,” by Professor Charles L. Bristol.

- November 18.—Hunting and Fishing.  
 “ 25.—Methods of Defence and Care of Young.  
 December 2.—Construction of Dwellings.

A course of three lectures on “Forestry,” by Miss Grace E. Cooley.

- December 9.—How the Forests pay their Rent.  
 “ 16.—The Struggle for Existence from the Standpoint of a Tree—  
 Ingenious Methods of Winning Success.  
 “ 23.—Forestry and the Citizen.

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In concluding this my quarter of a century of service as the President of the American Museum of Natural History, I cannot refrain from referring to the Report of twenty-five years ago, when the Trustees stated that “they most respectfully appeal to the generous citizens of New York, to aid in the effort to make our Metropolitan City the centre of the highest scientific culture in our land, and to join in adding new collections and new departments to the admirable nucleus which has been already secured.” As your President it has been my constant effort to fulfil the desires as expressed by the

Trustees which were so clearly formulated at the time of my appointment, and when we view the stately building in Manhattan Square, when we wander through the exhibition halls and study the priceless collections therein displayed, when we realize that thousands of the people of our City are assembling here to listen to prominent educators, that school children are here receiving their first love for nature and their first taste of science, and that the influence of this institution is being felt throughout the civilized world, truly we can say that the appeal of 1881 to the generous citizens of New York has not remained unanswered.

Very respectfully yours,

MORRIS K. JESUP, *President.*



# FINANCIAL STATEMENT.

## PERMANENT ENDOWMENT.

General Fund.....	\$972,000 00
John B. Trevor Fund.....	15,000 00
Josiah M. Fiske Fund .....	10,000 00
Matilda W. Bruce Fund.....	11,000 00
Solomon Loeb Fund.....	5,000 00
	<u>\$1,013,000 00</u>

## SPECIAL FUNDS.

### EAST ASIATIC COMMITTEE.

#### RECEIPTS, 1905.

Cash on hand January 1, 1905.....	\$2,127 23
Interest on bank balances.....	12 74 <u>\$2,139 97</u>

#### DISBURSEMENTS, 1905.

Salary, Dr. B. Laufer, nine months.....	\$1,125 00
For publications.....	450 56 <u>\$1,575 56</u>
Cash on hand December 31, 1905.....	<u>\$564 41</u>

JOHN H. WINSER, *Treasurer.*

Correct.—E. L. MASSETT, *Auditor.*  
*December 31, 1905.*

THE AMERICAN MUSEUM OF NATURAL HISTORY

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*CITY MAINTENANCE ACCOUNT.*

RECEIPTS.

Capital Account, January 1, 1905.....	\$15,000 00
Department of Parks.....	\$160,000 00
Transfer from General Account to meet deficit ....	19,506 41
	<hr/>
	179,506 41
Interest on Balances .....	147 31

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\$194,653 72

Examined and Approved. { ANSON W. HARD,  
GEORGE G. HAVEN, } *Auditing*  
GUSTAV E. KISSEL. } *Committee.*

*in account with* CHARLES LANIER, TREASURER.

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*CITY MAINTENANCE ACCOUNT.*

DISBURSEMENTS.

Geology and Invertebrate Palæontology.....	\$6,211 42	
Mammalogy and Ornithology.....	8,292 10-	
Mineralogy .....	3,852 31	
Vertebrate Palæontology.....	14,031 62 ✓	
Anthropology .....	15,910 28	
Entomology.....	2,747 35	
Invertebrate Zoölogy.....	8,168 05	
Physiology.....	1,767 46	
Library.....	9,479 24	
Public Instruction.....	150 47	
Preparation and Exhibition.....	16,171 22	
General Supplies and Expenses.....	6,635 36	
Heating and Lighting.....	22,412 04	
Repairs and Installation.....	16,637 95	
Administration .....	47,039 54	
	<hr/>	\$179,506 41
Interest on Balances transferred to General Account.		147 31
Cash on hand December 31, 1905.....		15,000 00
		<hr/>
		\$194,653 72
		<hr/>

CHARLES LANIER, *Treasurer.*

[E. & O. E.]

New York, *December 31, 1905.*

THE AMERICAN MUSEUM OF NATURAL HISTORY

ENDOWMENT AND INVESTMENT ACCOUNT.

RECEIPTS.

MAMMALOLOGY AND ORNITHOLOGY:

North American Ornithology Fund:

Balance from 1904.....	\$343 89
John L. Cadwalader.....	500 00
Mrs. Harriet L. Schuyler.....	200 00
Henry Clay Pierce.....	500 00
H. B. Hollins.....	250 00
F. Aug. Schermerhorn.....	250 00
Henry W. Poor.....	500 00
Lewis C. Ledyard.....	250 00

\$2,793 89

D. Stuart Dodge Gift..... 50 00

\$2,843 89.

MINERALOGY AND CONCHOLOGY:

Frederick A. Constable Gift..... \$84 98

Matilda W. Bruce Fund:

Balance from 1904.....	\$390 34
Interest.....	660 00
	1,050 34

1,135 32:

VERTEBRATE PALEONTOLOGY:

Pampean Collection of Fossils:

Balance from 1904.....	\$329 17
E. H. Harriman Fund.....	900 00

1,229 17:

ANTHROPOLOGY:

Hyde Exploration Fund: B. T. B. Hyde.....	\$1,200 00
International Congress of Americanists, balance.....	1,244 68
Ethnological Research Fund.....	86 65
Wm. Demuth Collection of Pipes.....	179 67
Berlin North American Fund.....	123 50
Bureau of Missions Fund.....	1,500 00
G. S. Bowdoin Gift.....	1,300 00
J. P. Morgan Gift.....	2,500 00
North American Research Fund: Morris K. Jesup.....	5,252 79

13,387 29:

FORESTRY:

Mrs. C. P. Huntington Fund, balance.....

124 33.

**Total receipts for the development of specific departments.....**

**\$18,720 00**

PERMANENT ENDOWMENT:

Transfer from General Account pending investment.....

1,000 00

INTEREST ON CREDIT BALANCES:

Earnings to December 31, 1905.....

135 32

\$19,855 32

Examined and Approved. { ANSON W. HARD,  
GEORGE G. HAVEN,  
GUSTAV E. KISSEL. } Auditing Committee.



**ENDOWMENT AND INVESTMENT ACCOUNT.**

**DISBURSEMENTS.**

**MAMMALOGY AND ORNITHOLOGY :**

North American Ornithology Fund.....	\$1,224 44	
D. Stuart Dodge Gift .....	50 00	
		\$1,274 44

**MINERALOGY AND CONCHOLOGY :**

Frederick A. Constable Gift.....	\$84 98	
Matilda W. Bruce Fund.....	818 80	
		903 78

**VERTEBRATE PALÆONTOLOGY :**

Pampean Collection of Fossils.....	\$329 17	
E. H. Harriman Fund.....	825 56	
		1,154 73

**ANTHROPOLOGY :**

Hyde Exploration Fund.....	\$1,200 00	
International Congress of Americanists.....	1,244 68	
Ethnological Research Fund.....	39 10	
Wm. Demuth Collection of Pipes.....	97 50	
Bureau of Missions Fund.....	660 00	
G. S. Bowdoin Gift.....	1,151 41	
J. P. Morgan Gift.....	2,500 00	
North American Research Fund.....	4,908 36	
		11,801 05

<b>Total disbursements for the development of specific departments.....</b>	<b>\$15,134 00</b>
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**Interest on Credit Balances, transferred to General**

Account.....	135 32
Cash on hand December 31, 1905.....	4,586 00

\$19,855 32

[E. & O. E.]

CHARLES LANIER, *Treasurer.*

NEW YORK, *December 31, 1905.*

GENERAL ACCOUNT.

RECEIPTS.

Cash on hand January 1, 1905.....		\$2,102 58
Interest on Permanent Endowment.....	\$47,200 00	
Interest on Credit Balances.....	282 63	
Patron: Seth Low.....	1,000 00	

Life Members:

Jens Skougaard.....	\$100 00	
Miss Katharine L. Cammann.....	100 00	
Thomas T. Eckert, Jr.....	100 00	
Henry Phipps.....	100 00	
Guy R. McLane.....	100 00	
J. E. Childs.....	100 00	
Richard L. Walsh.....	100 00	
J. W. Dimick.....	100 00	
Abram G. Nesbitt.....	100 00	
George A. Kessler.....	100 00	
William Zeigler.....	100 00	
Charles D. Miller.....	100 00	
Wm. B. Dickerman.....	100 00	
Allen W. Evarts.....	100 00	
Acosta Nichols.....	100 00	
Seymour Perkins.....	100 00	
Amos F. Eno.....	100 00	
Henry deF. Weekes.....	100 00	
James Gilbert White.....	100 00	
James Dugald White.....	100 00	
Charles J. Harrah.....	100 00	
O. H. Payne.....	100 00	
George R. Sheldon.....	100 00	
Charles E. Milmine.....	100 00	
Trenor L. Park.....	100 00	
H. A. C. DeRubio.....	100 00	
George McKesson Brown.....	100 00	
Edward K. Dunham.....	100 00	
William S. Thomas, M.D.....	100 00	
James A. Macdonald.....	100 00	
S. T. Armstrong, M.D.....	100 00	
	3,100 00	
Annual Members.....	14,775 00	
Henry F. Osborn, for support of the Department of Vertebrate Palæontology.....	2,000 00	✓
Admission Fees.....	1,097 50	
Sale of Specimens and Reimbursements.....	5,006 24	
Sale of Publications.....	333 95	74,795 32
		<u>\$76,897 90</u>

Examined and Approved. { ANSON W. HARD,  
GEORGE G. HAVEN,  
GUSTAV E. KISSEL. } Auditing  
Committee.

*GENERAL ACCOUNT.*

DISBURSEMENTS.

Geology and Invertebrate Palæontology.....	\$1,947 86
Mammalogy and Ornithology.....	4,427 81
Mineralogy.....	204 17
Vertebrate Palæontology.....	9,198 00
Anthropology.....	5,619 43
Entomology.....	314 55
Invertebrate Zoölogy.....	828 69
Library.....	5,641 17
Physiology.....	40 90
Public Instruction.....	3,416 24
Preparation and Exhibition.....	1,668 13
Publications.....	11,273 83
General Supplies and Expenses.....	5,169 00
Philippine Island Collection.....	4,521 08

Endowment and Investment Account:

Transferred to Endowment and Investment Account pending investment.....	1,000 00 X
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City Maintenance Account:

Transfer to this account to balance deficit.....	19,506 41 X
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Interest on Loans and Overdrafts.....	107 96
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\$74,885 23

Cash on hand December 31, 1905.....	2,012 67
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\$76,897 90

CHARLES LANIER, *Treasurer.*

[E. & O. E.]

NEW YORK, December 31, 1905.

# LIST OF ACCESSIONS, 1905.

## DEPARTMENT OF GEOLOGY AND INVERTEBRATE PALÆONTOLOGY.

BY GIFT.

✓ PROF. N. L. BRITTON, New York City. ✓

3 Specimens of *Chama macrophylla* from Berry Islands, Bahamas.

8 Species of corals and shells from Lignum Vitæ Key, Berry Islands, Bahamas.

5 Valves of *Chama*, and group of several.

1 *Arca*, 1 *Pectunculus*, 1 *Hipponyx*.

1 Fragment of *Diploria cerebriformis*.

2 *Dichocania porcina* from Goat Key, Berry Islands, Bahamas.

5 *Lucina aurantia*, 1 valve and 1 group of *Chama*, 2 undetermined shells from Great Bahamas.

✓ R. S. BROOKS, El Paso, Texas.

10 Specimens of ores from Mulatos, Sonora, Mexico.

✓ J. H. CHASE, Buffalo, N. Y. ✓

1 Small specimen of *Septaria* from Lake regions of New York.

✓ COPPER QUEEN CONSOLIDATED MINING COMPANY, Bisbee, Arizona. ✓

Specimens of ores.

D. W. FURGUSON, Staten Island, N. Y. ✓

1 *Trigonia thoracica*.

STANDARD PLUNGER ELEVATOR COMPANY, New York City. ✓

12-inch drill-core through garnetiferous gneiss, from Trinity Building, N. Y.

THOMAS H. GEE, New York. ✓

2 Specimens *Pectunculus* n. sp. in iron-stone concretion, from Flushing Cemetery, N. Y.

L. P. GRATACAP, New York City. ✓

A large series of fossils from the Calciferous and Lower Carboniferous rocks from Port au Port, Newfoundland.

- DR. J. COLIN VAUGHAN, Newark, N. J.  
 Ammonites and shells from Jurassic formation, Franz Josef Land.
- UTAH STATE COMMISSIONERS, Lewis & Clark Exposition. ✓  
 Ores from the principal mines of the State.
- IDAHO STATE COMMISSIONERS, Lewis & Clark Exposition. ✓  
 Ores from some of the principal mines of the State.
- WYOMING STATE COMMISSIONERS, Lewis & Clark Exposition. ✓  
 Ores and oils.
- CALIFORNIA STATE COMMISSIONERS, Lewis & Clark Exposition. ✓  
 Large series of oils and ores.
- COLORADO STATE COMMISSIONERS, Lewis & Clark Exposition. ✓  
 Several specimens of ores.
- W. B. FOSTER, Yukon, Alaska. ✓  
 A series of ores and rocks from Alaska.

BY PURCHASE.

- ✓ 2 *Heliophyllum obliquum*.  
 ✓ 2 *Heliophyllum inflexum*.  
 ✓ 1 *Heliophyllum sulcatum*.  
 ✓ 4 *Cystiphyllum crenatum*.  
 ✓ 1 *Cystiphyllum conspicuum*.  
 ✓ 4 *Zaphrentis caliculus*.  
 ✓ 2 *Zaphrentis callosa*.  
 ✓ 2 *Platyceras dumosum*.  
 ✓ 4 *Heliophyllum conditum*.  
 ✓ 2 *Nautilus liratus*.  
 ✓ 1 *Tricelocrinus woodmani*.  
 ✓ 1 *Cystiphyllum greenei*.  
 ✓ 1 Large block of *Pentamerus oblongus*. ✓  
 336 Rocks with corresponding thin sections to illustrate Rosenbusch's classification of rocks.  
 Series of specimens of Platinum, Gold, Monazite, Garnet, Magnetite, etc., obtained at the Lewis & Clark Exposition by treatment of beach and river sands on concentrating tables. ✓  
 ✓ About 200 specimens of ores and rocks representing the mineral resources of Oregon.

THROUGH MUSEUM EXPEDITIONS.

- 2 Boxes of Post-pliocene fossils from San Pedro, California, collected by E. O. Hovey. ✓
- GREENE EXPLORING EXPEDITION.  
 325 Specimens of rocks and ores collected by E. O. Hovey, in Sonora and Chihuahua, Mexico. ✓  
 425 Negatives made by E. O. Hovey, in Sonora and Chihuahua.

## BY EXCHANGE.

- ✓ 1 *Actinocrinus multiramosus*.
- ✓ 1 *Agaricocrinus splendens*.
- ✓ 1 *Acrocrinus immaturus*.
- ✓ 1 *Cactocrinus nodobrachiatus*.
- ✓ 1 *Dichocrinus inornatus*.
- ✓ 1 *Dorycrinus mississippiensis*.
- ✓ 1 *Macrocrinus jucundus*.
- ✓ 1 *Platycrinus agassizi*.
- ✓ 1 *Platycrinus symmetricus*.
- ✓ 1 *Rhodocrinus kirbyi*.
- ✓ 1 *Rhodocrinus wattersianus*.
- ✓ Slab with 3 *Rhodocrinus kirbyi* and 2 *Dichocrinus inornatus*.
- ✓ Specimens of the rocks and ores of Butte, Montana.

DEPARTMENT OF MAMMALOGY AND  
ORNITHOLOGY.

## MAMMALS.

## BY GIFT.

- J. H. BATTY, New York City.  
358 Specimens from Chiriqui, Panama.
- N. H. BISHOP, Tuckerton, N. J.  
2 Franklin Spermophiles.
- GEORGE S. BOWDOIN, New York City.  
8 Hippopotamus skulls from Lake Nyami, South Africa, 4 Giraffe skulls from Bechuanaland, South Africa.
- ✓ W. S. CHAMP, Ziegler Polar Expedition.  
1 Walrus skin and skull.
- ✓ FRANK M. CHAPMAN, Englewood, N. J.  
1 Squirrel from Florida.
- AUSTIN CORBIN ESTATE.  
1 Buffalo.
- WILLIAM T. COX, New York City.  
1 Grizzly Bear skin.

## DEPARTMENT OF PARKS, New York City.

- 14 Monkeys, 3 Marmosets, 1 Leopard, 1 Lynx, 2 Foxes, 1 Skunk, 1 Coatimondi, 4 Nylghaus, 1 Elk, 2 Mexican Deer, 1 Axis Deer, 2 Virginia Deer, 1 Llama, 1 Spotted Leopard, 1 Deer, 1 Wildcat, 1 Aoudad, 1 Puma, 1 Eskimo Dog.—Total, 40 specimens received in the flesh.

JONATHAN DWIGHT, JR., M. D., New York City.  
1 Opossum, 1 Prairie Dog, 2 Chipmunks, 1 Flying Squirrel.

C. R. DUFFY, New York City.  
1 Whale vertebra.

J. S. EDWARDS, Tacoma, Wash.  
1 Anteater.

BURT HARLEY, New York City.  
1 Black-and-tan Terrier.

✓ DR. E. A. LEWIS, Englewood, N. J.  
1 Weasel.

✓ C. A. MOORE, JR., New York City.  
2 Deer skins, 1 Beaver skull.

✓ R. T. MORRIS, M. D., New York City.  
1 Woodchuck from Hudson Bay.

NEW YORK ZOÖLOGICAL SOCIETY, New York City.  
1 Gorilla, 1 Mandrill, 2 Pigtail Monkeys, 1 Lemur, 1 Lion, 1 Hunting Leopard, 1 Snow Leopard, 3 Pumas, 1 Lynx, 1 Raccoon-dog, 1 Blue Fox, 2 Gray Foxes, 1 Grizzly Bear, 1 Bearded Seal, 1 Harbor Seal, 2 Sea-lions, 2 Black-footed Ferrets, 1 Weasel, 1 Meerkat, 1 Suricate, 1 Crab-eating Mongoose, 3 Genets, 1 Coati-mondi, 1 Punjab Sheep, 2 Blue Sheep, 1 Burrel Sheep, 2 Mountain Goats, 1 Nylghau, 1 Buffalo, 1 Anoa, 1 Sacred Cow, 1 White-tailed Gnu, 1 Blesbock, 1 Blackbuck, 1 Duiker Antelope, 2 Muntjacs, 4 Axis Deer, 1 Sambar Deer, 1 Hog-nosed Deer, 1 Pampas Deer, 1 Wapiti Deer, 1 Fallow Deer, 1 Chinese Water Deer, 1 Cuban Deer, 1 Marsh Deer, 1 Zebra, 1 Llama, 1 Agouti, 1 Capromys, 1 Egyptian Jumping Rat, 1 Olive Squirrel, 1 African Porcupine, 1 Canadian Porcupine, 1 Phalanger, 2 Wallabys, 1 Armadillo, 1 Echidna, 1 Dolphin, 1 Ovis, 1 Anteater, 1 Cuban Rat, 1 Wild-cat.—Total, 77 specimens received in the flesh from the New York Zoölogical Society and the New York Aquarium.

O. R. OLSEN, Hoodsport, Wash.  
1 Beaver.

MISSIS PLACE, New York City.  
Antlers of California Elk.

F. A. SCHNEIDER, Brooklyn, N. Y.  
1 Chipmunk.

✓ ERNEST THOMPSON SETON, Cos Cob, Conn.  
2 Rabbits.

✓ MRS. E. T. SHORT, New York City.  
1 Manx Cat.

✓ GERALD H. THAYER, Monadnock, N. H.  
3 Specimens from Trinidad, B. W. I.

✓ DR. W. M. WHEELER, Bronxville, N. Y.  
1 Spermophile.

CHRISTINA G. WHITNEY, New York City.  
1 Bloodhound.

✓ A. WOODWARD, New York City.  
1 Buffalo Calf Skin.

✓ MRS. E. M. Ziegler (through W. S. Champ).  
1 Mounted Polar Bear.

#### BY EXCHANGE.

13 Specimens from Panama.

#### BY PURCHASE.

48 Specimens from Philippine Islands, 10 from Africa and India, 47 from Hudson Bay, 25 from Costa Rica, 4 from British Honduras.

#### THROUGH MUSEUM EXPEDITIONS.

✓ 14 Specimens (11 Beavers, 3 Deer) from the Olympic Mountains, Washington. Collected by J. D. Figgins.

✓ 1508 Specimens from Mexico. Collected by J. H. Batty.

#### BIRDS.

##### BY GIFT.

✓ MRS. HARRIET B. BAILEY, New York City.  
Small collection of birds' nests.

✓ J. H. BATTY, New York City.  
525 Specimens from Chiriquí, Panama.

NATHAN C. BROWN, Portland, Maine.  
17 beautifully prepared skins of small birds from Eastern United States.

✓ MRS. JULIA H. CHADWICK, Washington, D. C.  
Group of mounted Quail from New Jersey.

✓ J. CHAPIN, Staten Island, N. Y.  
1 Chimney Swift.



✓ DEPARTMENT OF PARKS, New York City.

1 Tern, 7 Swans, 4 Eagles, 2 Hawks, 2 Great Horned Owls, 1 Sand Grouse, 2 Pigeons, 4 Pheasants, 1 Partridge, 32 Parrots, Macaws and Cockatoos, 1 Cuckoo, 1 Nighthawk, 1 Golden-winged Woodpecker, 2 Crows, 1 European Blackbird.—Total, 62 specimens received in the flesh from the Central Park Menagerie.

✓ J. GRAEME DREW, Demster, N. Y.

1 American Golden-eyed Duck.

✓ WILLIAM DUTCHER, New York City.

1 Yellow-headed Blackbird.

✓ CAPT. BASIL H. DUTCHER, Medical Corps, U. S. A.

1 Merriam Turkey from Arizona.

✓ J. DWIGHT, JR., M. D., New York City.

9 Ducks from Long Island.

✓ J. S. LAMSON, Summit, N. J. (through Le Rue K. Holmes).

6 Birds from Tobago, B. W. I.

✓ FRANK MILLER, New Orleans, La.

1 Forster's Tern.

✓ JOHN MOMMERS, New York City.

1 Woodcock.

✓ NEW YORK ZOÖLOGICAL SOCIETY, New York City.

1 Ostrich, 2 Rheas, 1 Emu, 1 Penguin, 1 Ivory Gull, 2 Storks, 1 Eagle.—Total, 9 specimens received in the flesh.

✓ ERNEST THOMPSON SETON, Cos Cob, Conn.

9 Scaup Ducks, 1 Hawk.

✓ I. M. VAN WAGNER, Fairview, N. J.

1 Bronzed Grackle.

BY EXCHANGE.

18 Specimens from Alaska, Hawaiian Islands, etc., 3 Tanagers from Colombia, 34 specimens from Pearl Islands, Bay of Panama.

BY PURCHASE.

33 Specimens from British Honduras, 1,000 specimens from the Philippine Islands.

THROUGH MUSEUM EXPEDITIONS.

✓ MEXICAN EXPEDITION.

1655 Specimens from western Mexico. Collected by J. H. Batty.

✓ FLORIDA EXPEDITION (North American Bird Group Fund).

25 Specimens from Florida. Collected by Frank M. Chapman.

DEPARTMENT OF VERTEBRATE PALÆONTOLOGY.

BY GIFT.

GOVERNOR DON ENRIQUE CREEL, Chihuahua, Mexico.

Molar of Imperial Mammoth from Chihuahua.

✓ PROF. BASHFORD DEAN, New York City.

✓ Series of supposed fish remains from Canyon City, Colo.

✓ DR. F. B. LOOMIS, Amherst, Mass.

Four named specimens of Eocene mammals.

✓ CHARLES REDMOND (through J. B. Tyrrell), Dawson, Yukon Territory, Canada.

Foot-bones of fossil horse from Yukon Territory.

IN EXCHANGE.

✓ PEABODY MUSEUM, Yale University, New Haven, Conn.

Series of casts of type specimens of fossil mammals described by Prof. Joseph Leidy.

Fragments of skull and teeth supposed to belong to the mounted skull of *Loxolophodon* in the American Museum, Cope Collection.

Casts of jaws of a unique *Mylostoma*.

IMPERIAL MUSEUM, St. Petersburg, Russia.

2 casts of *Helicoprion*.

✓ MUSEUM OF COMPARATIVE ZOOLOGY, Cambridge, Mass.

Casts of several fish remains.

BY PURCHASE.

Collection of fossil mammals from the Big Badlands of South Dakota, by H. F. Wells, 1905.

Specimen of *Acanthurus* from the West Indies.

4 casts of sharks and chimæroids from the Geological Museum, Munich.

THROUGH MUSEUM EXPEDITIONS.

✓ DEVONIAN OF OHIO.

Series of specimens of primitive fossil fish, including especially valuable specimens of *Cladoseleache*, *Dinichthys*, *Titanichthys* and *Rhynchodus*.

JURASSIC OF BONE-CABIN QUARRY, WYOMING.

Series of specimens of Jurassic Dinosaurs, including especially a skeleton of a small herbivorous kind, probably *Laosaurus*, and several limbs and feet of large amphibious and carnivorous species.

LARAMIE CRETACEOUS OF MONTANA.

Additional parts of the skeleton of the gigantic carnivorous Dinosaur, *Tyrannosaurus*; hind limbs of another individual of the same; skeleton of Duck-billed Dinosaur, and parts of skeletons of other dinosaurs.

EOCENE OF WYOMING.

- 235 Specimens of fossil mammals and 15 of fossil reptiles from the Bridger Basin, including skeletons of four-toed horse, *Orohippus*, primitive rhinoceros, *Hyrachyus*, primitive rodent, *Paramys*, primitive carnivore, *Tritemnodon*, and skulls and parts of skeletons of various primitive rodents, carnivores, rhinoceroses, titanotheres and artiodactyls.
- 129 Specimens of fossil mammals (none very complete), from the Wind River Basin.

DEPARTMENT OF ANTHROPOLOGY.

BY GIFT.

WM. BAACKE, New York City.

- 1 Shell fish-hook from Long Island.

DANIEL BACON, New York City.

- 1 Blow-gun and poisoned arrows from South America.

MRS. ALBERT BIERSTADT, New York City.

- 10 California Indian baskets, 6 wooden carvings from Alaska, together with a number of objects from various Indian tribes.

DR. S. A. BINION, New York City.

- Blubber bag from Labrador.

GEORGE S. BOWDOIN, New York City.

- A large collection of ethnological specimens from Africa.

MRS. GEORGE BRUCK, New York City.

- 1 Basket from the Aleutian Islands.

ALEXANDER CRAIN, Econtuchka, Oklahoma.

- Carving on stone of human footprints, from Oklahoma Territory.

CHARLES B. CROOK, New York City.

- Head-dress from British East Africa.

By transfer from DEPARTMENT OF VERTEBRATE PALÆONTOLOGY.

- 1 Set of Eskimo bolos from Alaska.

WM. DEMUTH, New York City.

- A collection of pipes and smoking utensils, including one pipe from Africa and one Blackfoot medicine pipe.

LIEUT. GEORGE T. EMMONS, Princeton, N. J.

- 1 Blanket loom and 1 set of gambling-sticks.

MISS ADELE FIELD, New York City.

- 1 Chinese money scale.

MRS. DAVID COLES HALSTEAD, New York City.

- 1 Stone axe from Long Island.

- GEORGE G. HEYE, New York City.  
290 Pieces of prehistoric pottery from Socorro, New Mexico.
- MORRIS K. JESUP, New York City.  
An exhaustive collection, numbering thousands of specimens, from the non-Christian and Christian tribes inhabiting various provinces in the Philippine Islands.
- ADOLPH LEWISOHN, New York City.  
A collection of Tlingit baskets and numerous ceremonial objects from Alaska.
- PAUL C. MILLER, New York City.  
1 Grinding stone from Wyoming.
- MISSOURI HISTORICAL SOCIETY, St. Louis, Mo.  
A plaster model of Cahokia Mound.
- J. PIERPONT MORGAN, New York City.  
1 "Mummy" from Chile.
- MRS. ALEXANDER L. MORTON, New York City.  
15 Small costumed wax figures from Mexico.
- NARRAGANSETT LIBRARY ASSOCIATION, Peacedale, R. I.  
19 Chipped stone implements.
- DR. FRANCIS C. NICHOLAS, New York City.  
4 Pieces of pottery from Colombia, S. A.
- D. W. OWEN, Kenewick, Washington.  
9 Archæological specimens from Washington.
- WM. BARCLAY PARSONS, New York City.  
A collection of Chinese razors, knives and combs.
- C. M. RABADAN, New York City.  
1 Mummy from Ancon, Peru.
- E. RUNGE, New York City.  
Envelopes and letter-paper from China, also a leather falcon-hood.
- F. B. SMITH CONTRACTING COMPANY, New York City.  
1 Large stone mortar from 149th Street and St. Ann's Avenue, New York City.
- J. W. STAFFORD, New York City.  
1 Skeleton from the Cliff Dwellings of New Mexico.
- A. THOMPSON, New York City.  
1 Indian tomahawk from South Dakota.
- DR. L. A. THOMPSON, U. S. Navy.  
1 Skull from Easter Island.
- T. VAN HYNNING, Des Moines, Iowa.  
15 Stone axes, 4 celts and 3 stone discs.
- GILES WHITNEY, New York City.  
1 Skull.

THROUGH MUSEUM EXPEDITIONS.

- Specimens from the Blackfoot Indians. Collected by D. C. Duvall.
- Specimens from the Central Eskimo. Collected by Capt. George Comer.
- Specimens from the Mission Indians of California. Collected by Miss Constance G. DuBois.
- Specimens from the Ojibway Indians. Collected by Dr. Wm. Jones.
- Specimens from the State of Washington. Collected by Edward Sapir.
- Specimens from the Uchee Indians of Indian Territory. Collected by Frank G. Speck.
- Specimens from the Yukon River, Alaska. Collected by Rev. J. Chapman.

BY EXCHANGE.

LIEUT. GEORGE T. EMMONS, Princeton, N. J.

- 5 Stone pipes from Thompson Indians, 2 carved steatite dishes, 1 arrow smoother.

DE COST GOMEZ.

- 1 Piece of pottery from Peru.

FIELD COLUMBIAN MUSEUM, Chicago, Ill.

- Quarry rejects from Oklahoma.

KÖNIGLICHE MUSEUM FÜR VÖLKERKUNDE, Berlin, Germany.

- 6 Casts of bone clubs from North America.

KÖNIGLICHE NATURALIEN CABINET, Stuttgart, Germany.

- 3 Swabian skulls.

PEABODY MUSEUM, New Haven, Conn.

- 9 Eolithic specimens.

UNITED STATES NATIONAL MUSEUM, Washington, D. C.

- 4 Plaster busts of American Indians.

BY PURCHASE.

- 1 Crow shield and 1 grain bag.
- 180 Pieces of pottery from Colombia, S. A.
- 7 Embroidered Chinese scrolls.
- 1 Haida mask.
- 1 Apache basket.
- 1 Buffalo-hide thong and invitation sticks from Dakota.
- A collection of specimens from the Congo Region, Africa.
- 1 Stone mortar from Washington.
- 1 Carved object from Alaska.
- 39 Skulls from British Columbia.
- Lemby collection of specimens from South America.
- A small Eskimo collection from Alaska.
- 86 Chinook Indian skulls.
- A small Sioux Indian collection.

## MEXICAN AND CENTRAL AMERICAN ARCHÆOLOGY.

BY EXCHANGE.

GEORGE G. HEYE, New York City.

213 Specimens of Tarascan, Matlaltzincan, Nahuatl and Zapotecan antiquities.

## DEPARTMENT OF ENTOMOLOGY.

BY GIFT.

Miss ANNETTE BRAUN, Cincinnati, Ohio.

Specimens of galls from Cincinnati, Ohio.

J. R. DE LA TORRE BUENO, New York City.

18 Aquatic Hemiptera from India.

DR. EDWIN CHAMBERLIN, New York City.

1 Wasps' nest (*Vespa maculata*).

T. D. A. COCKERELL, Colorado Springs, Colo.

7 Species of Coccidæ from Colorado.

F. H. CHITTENDEN, Washington, D. C.

Specimens of *Attagenus piceus* and *Dermestes lardarius*.

J. H. M. COOK, New York City.

Queen cells of honey-bee.

E. DAECKE, Philadelphia, Pa.

Part of nest of *Vespa germanica*.

WM. T. DAVIS, Staten Island, N. Y.

Nest of *Trypoxylon* sp.4 *Emesia longipes*.

CHARLES DURY, Cincinnati, Ohio.

2 *Ctenophora topazina*.1 *Melaphora orsina*.

DR. E. P. FELT, Albany, N. Y.

Specimens of *Dermestes lardarius* and *Anthrenus scrophularia*.

Miss ALBERTA FIELD, Ashtabula, Ohio.

Specimens of galls of *Asphondylia conspiciua*.

DR. JAMES FLETCHER, Ottawa, Canada.

Male and female of *Apocheima rachela* from Arverne, Manitoba Canada.1 Example of *Leucobrephe middendorfi*.Specimens of *Dermestes lardarius* and *Attagenus piceus*.

✓ PROF. C. P. GILLETTE, Fort Collins, Colorado.

Type specimens of galls of *Rhodites fusiformis*, *Diastrophus kincaid*, *Holcaspis vernus*, *Holcaspis rubens*, *Holcaspis bassetti*, *Holcaspis monticola*, *Holcaspis brevipennis*, *Amphibolips cooki*, *Acraspis undulata*, *Acraspis villosus*, *Dryophanta glabra*, *Antistrophus silphii*, *Antistrophus rufus*, *Neuroterus nigrum* and *Andricus frequens*.

Type specimens of gall flies of *Holcaspis monticola*, *Holcaspis rubens*, *Holcaspis brevipennis*, *Acraspis undulata*, *Dryophanta glabra*, *Neuroterus vernus*, *Rhodites fulgens*, *Synergus atripes*, *Synergus erinacei*, *Synergus punctata* and *Synergus incisus*.

✓ MESSRS. G. A. GOSS AND A. D. DODGE, Waterbury, Conn.

A number of beetles from Mt. Kinabalu, Borneo.

✓ A collection of butterflies and moths from Borneo.

✓ CARL HARTMAN, Austin, Texas.

A collection of oak galls from Austin, Texas.

✓ MISS RUTH HARVEY, Cincinnati, Ohio.

Specimens of Cecidomyid galls on *Celtis occidentalis*.

✓ ESTATE OF DR. GEORGE HYSLOP, New York City.

2 Hercules beetles (*Dynastes hercules*).

✓ W. W. LATHROP, Bridgeport, Conn.

Combs of honey-bee built on a branch of a tree.

✓ MISS MAHONEY, New York City.

A few insects from Liberia, Africa.

✓ DR. GUSTAV MAYR, Vienna, Austria.

A number of insect-galls from Europe.

✓ DR. J. M. MCGREGOR, New York City.

Specimens of drones and workers of Tunisian and golden Italian honey-bees.

W. DEW. MILLER, Plainfield, N. J.

4 *Cychnus elevatus*.

✓ PROF. JAMES NEEDHAM, Lake Forest, Ill.

Specimens of a new species of *Cecidomyia* on goldenrod.

✓ CHARLES PALM, New York City.

1 pair *Strategus cessus* from Arizona.

A small collection of Diptera from the United States.

✓ CAPT. WIRT ROBINSON, Fort Totten, N. Y.

A colored drawing of *Pseudosphinx tetrio*.

A number of Lepidoptera from Cuba.

3 *Papilio andraemon* and other Lepidoptera from Santiago, Cuba.

Insects from Jamaica, B. W. I.

✓ WM. SCHAUS, London, England.

A collection of 26,000 unmounted butterflies and moths from Mexico and South America.

✓ E. SHOEMAKER, Brooklyn, N. Y.

2 *Orthodes vecors* from Long Island, N. Y.

✓ MRS. A. F. SLOSSON, New York City.

3 Specimens of *Ignotus enigmaticus*.

✓ ELLISON A. SMYTH, Blacksburg, Va.

2 *Catocala marmorata* from Virginia.

✓ J. J. VIELE, Bronxville, N. Y.

Specimens of drone cells and Italian and German honey-bees.

✓ DR. WM. M. WHEELER, Bronxville, N. Y.

Nest of an ant (*Oecophylla smaragdina*) from Ceylon, India.

A number of rare insects from Arizona, etc.

Cotypes of *Apteronina schmitti* and *Dinardilla liometopi*.

2 *Vespa maculata* from Bronxville, N. Y.

Specimens of Cecidomyid galls on maple.

Nest of a species of ant (*Cremastogaster lineolata*) from Colorado.

✓ MRS. W. F. WINNER, New York City.

Nest of *Vespa maculata* from Georgia.

N. YATSU, New York City.

2 Insects from Misaki, Japan.

#### BY PURCHASE.

A fine collection of Orthoptera containing 255 species and 825 specimens.

A swarm of living honey-bees.

A collection of beetles from Adana, Asia Minor.

A collection of mosquitoes from New Jersey and other states.

A collection of insects from Newfoundland.

A collection of Aquatic Hemiptera.

A collection of butterflies from Tugela River, South Africa.

A collection of insects from Sumatra.

Specimens of beeswax from the Philippine Islands.

#### THROUGH MUSEUM EXPEDITIONS.

✓ A collection of insects from Mexico, made by J. H. Batty.

A collection of insects from Arizona, made by Dr. Wm. M. Wheeler.

✓ Specimens of insect-galls collected in the vicinity of New York by Wm. Beutenmüller.



DEPARTMENT OF MINERALOGY AND CONCHOLOGY.

MINERALOGY.

BY GIFT.

J. H. ADAMS, New York City. ✓

Feldspar, Actinolite and Titanite from a dolomite vein, Jerome Avenue and 205th Street, New York City.

HENRY ANTHES, New York City. ✓

Large flint; ballast from Westchester County, N. Y.

J. H. BATTY, New York City. ✓

Specimens of Obsidian, Jalisco, Mexico.

THE MATILDA W. BRUCE FUND.

2 Specimens of Andorite from Bolivia. ✓

1 " " "Apophyllite from Michigan. ✓

2 " " "Azurite from Bolivia. ✓

3 " " "Beryl from Connecticut. ✓

1 " " "Blende from Colorado. ✓

1 " " "Cabrerite from Greece. ✓

1 " " "Calaverite from Colorado. ✓

1 " " "Calcite from Texas. ✓

1 " " "Calcite from Missouri. ✓

2 " " "Carnotite from Colorado. ✓

1 " " "Cerussite from Arizona. ✓

1 " " "Chabazite from New Jersey. ✓

1 " " "Chalcedony from California. ✓

4 " " "Chalcocite from Montana. ✓

1 " " "Chalcopyrite from France. ✓

1 " " "Chalcopyrite from Colorado. ✓

4 " " "Copper from Michigan. ✓

4 " " "Covellite from Montana. ✓

1 " " "Cuprite from Arizona. ✓

1 " " "Danburite from Switzerland. ✓

1 " " "Emery from New York. ✓

1 " " "Enargite from Montana. ✓

1 " " "Fluorite from Ohio. ✓

1 " " "Gadolinite from Norway. ✓

2 " " "Garnet from California. ✓

11 Nuggets of Gold from Australia. ✓

1 Specimen of Gold (mustard) from Australia. ✓

1 " " "Guanajuatite from Mexico. ✓

1 " " "Hessite from Transylvania. ✓

1 " " "Hutchinsonite from Switzerland. ✓

1 " " "Jade (labret). ✓

5	Specimens of	Kalgoorlite from Australia. ✓
1	"	" Lengenbachite from Switzerland. ✓
1	"	" Lepidolite from California. ✓
1	"	" Limonite from Michigan. ✓
1	"	" Magnetite from New York. ✓
1	"	" Pentlandite from Ontario. ✓
1	"	" Petzite from Colorado. ✓
1	"	" Pollucite from Maine. ✓
1	"	" Powellite from Michigan. ✓
2	"	" Prehnite from Lower California. ✓
3	"	" Pyrite from Colorado. ✓
1	"	" Pyrite from Montana. ✓
2	"	" Quartz from New Jersey. ✓
1	"	" Quartz from Oklahoma. ✓
1	"	" Quartz from Colorado. ✓
1	"	" Richmondite from New Zealand. ✓
1	"	" Scorodite from Brazil. ✓
2	"	" Silver from Michigan. ✓
1	"	" Slickenside from Montana. ✓
1	"	" Smithite from Switzerland. ✓
3	"	" Spodumene from California. ✓
1	"	" Stannite from Bolivia. ✓
1	"	" Stilbite from Nova Scotia. ✓
2	"	" Topaz from California. ✓
2	"	" Topaz from New Hampshire. ✓
1	"	" Trechmannite from Switzerland. ✓
1	"	" Volborthite from Utah. ✓

✓ SIR C. PURDON CLARKE, New York City. ✓

1 Specimen of Malachite from Russia.

✓ FRANKLIN COUCH, Peekskill, N. Y. ✓

1 Specimen of Dolomite from New York.

✓ WILLIAM H. CRANE, New York City. ✓

2 Specimens of Quartz from California.

✓ 1 " " Mica from California.

✓ 1 " " Amblygonite from California.

✓ HON. ENRIQUE CREEL, Chihuahua, Mexico. ✓

2 Specimens of Calcite and Silver from Mexico.

✓ WILLIAM T. DAVIS, Staten Island, N. Y. ✓

2 Specimens of Manhattan Schist from St. George, S. I.

✓ CHARLES EFROSS, Texas. ✓

4 Specimens of Efrosite from Texas.

✓ JOHN HÜLSS, Brooklyn, N. Y. ✓

A Series of Monazite Sands and Rock from North Carolina.

✓ DR. GEORGE F. KUNZ, New York City. ✓

→1 Specimen of Naëgite from Japan.

→1 " " Fergusonite from Japan.

✓ EMANUEL LEVY, New York City. ✓

28 Specimens of Gum Copal with inclusions.

21 " " Amber.

J. PIERPONT MORGAN, New York City. ✓

A collection being an additional installment to the Morgan Gem Cabinet, containing cut and uncut gems and minerals: Agate, Amethyst, Andalusite, Beryl, Calcite, Carnelian, Chalcedony, Chrysoprase, Cyanite, Datolite, Dumartierite, Emerald, Epidote, Farasite Coral, Gahnite, Garnet, Gold, Hornblende, Hyalite, Iolite, Jade, Jadeite, Kunzite, Malachite, Opal, Peridot, Phenacite, Prehnite, Quartz, Rhodonite, Ruby, Sapphire, Sunstone, Sylvanite, Topaz, Tourmaline, Turquoise, Utahlite, Wernerite and Wollastonite.

✓ W. H. NIXON, New York City. ✓

1 Specimen of Magnetic Ore.

✓ PROF. J. A. PAINE, New York City. ✓

1 Specimen of Garnet from New York.

✓ N. F. UNDERWOOD, Bloomfield, N. J. ✓

2 Specimens of Muscovite from Pennsylvania.

✓ W. H. D. WASHINGTON, New York City. ✓

A number of Garnets from North Carolina.

✓ C. WEBER, Jersey City, N. J. ✓

1 Specimen of Diabantite from N. Bergen, N. J.

✓ M. A. YESHILIAN, New York City. ✓

Specimens of Manganiferous Schists from 136th Street and Convent Avenue, and Dolomite from 135th Street and Viaduct.

#### NEWFOUNDLAND EXPEDITION.

✓ A collection of ores from various localities in Newfoundland.

✓ J. PIERPONT MORGAN, New York City. ✓

Collection of Meteorites (purchased from Dr. George F. Kunz), including Sidenites, Siderolites and Aerolites, in all 186 masses, representing the following falls: Bluff, Brenham, Cosby Creek, Decatur County, Kansas, Leland, Long Island, Smithville, York, Cañon Diablo.

#### CONCHOLOGY.

By Gift.

✓ FREDERICK A. CONSTABLE, New York City. ✓

320 Species of Japanese Land Shells.

✓ D. M. FERGUESON, Brooklyn, N. Y. ✓

1 Specimen of *Hippopus maculata*, Lam.

✓ G. H. GARDINAR, New York City.

1 Specimen of *Ostrea edulis* with pearl attached.

## ESTATE OF DR. GEO. L. HYSLOP, New York City. ✓

A collection of Marine Shells containing about 50 genera and 500 specimens.

## ✓ WM. M. METCALFE, New York City.

40 Specimens of *Physa ancillaria* Say.

4 " " *Planorbis bicarinata* Say.

## 1 DR. ROBERT T. MORRIS, New York City. ✓

40 Specimens of recent and fossil shells from Hudson Bay.

## Miss LUCY A. SANDFORD, New York. ✓

2 Specimens of *Argonauta nodosa* Sol.

1 " " *Argonauta argo* Linn.

## DR. WM. M. WHEELER, Bronxville, N. Y. ✓

35 Specimens *Meleagrina ala-perdix* Rv., Bahamas.

22 " *Lavicardium serratum* L., Bahamas.

35 " *Neritina virginia* L., Bahamas.

3 " *Orthalicus undatus* Brug., Florida.

4 " *Ovula uniplicata* Sow., Andros Is.

8 " *Cylindrella bahamensis* Pfr., Nassau.

1 " *Oleacina solidula* Pfr., Nassau.

2 " *Stenogyra octona* Chem., Nassau.

## BY EXCHANGE.

## ✓ THEODOR KORMOS, Budapest, Hungary. ✓

26 Species of Land and Fresh-water Shells from Hungary.

## ✓ WM. M. METCALFE, New York City. ✓

6 Specimens of *Cypræa albuginosa* Mawe.

1 " " " *physis* Broc.

1 " " " *lentiginosa* Gray.

2 " " " *microdon* Gray.

1 " " " *adansoni* Gray.

1 " " " *erythrænsis* Beck.

## ✓ JOHN RITCHIE, JR., Roxbury, Mass. ✓

5 Specimens *Ancylus kirtlandi* Walker.

4 " *Cæcum orcutti* Dall.

2 " *Cepolis maynardi* Pils.

1 " *Ganesella myomphala* var. *fusca* Gude.

4 " *Ganesella turrita* Gude.

1 " *Helix xanthophaes* Pils.

1 " *Helix faunus* Phil., var. *ritchieana* Pils.

1 " *Omphalius euryomphalus* Pfr.

4 " *Pyramidula pauper* Gld. var. *depressa* A. Ad.

2 " *Pyramidula leptata* Smith.

16 " *Pyrgulopsis mississippiensis* Pils.

2 " *Rotula serrula* Bens.

- 4 Specimens *Somotogyrus humerosus* Walker.  
 3 " " *rotundatus* Walker.  
 8 " " *substriatus* Walker.

MAXWELL SMITH, New York City.

- 4 Specimens *Acmaea depicta* Hds.  
 1 " *Cerithium ocellatum* Brug.  
 5 " *Pedipes unisulcata* Copper.  
 3 " *Pyramidula alternata* Say.  
 5 " *Rictaxis puncto-costatus* Cpr.  
 13 " *Scala tincta* Cpr.

WM. WEEKS, Brooklyn, N. Y..

- 4 Specimens *Astrarium harmatragus* Mke.  
 1 " *Buccinum striatissimum* Sby.  
 1 " *Buccinum undatum* Linn.  
 2 " *Chione reticulata* Linn.  
 4 " *Chlorostoma nigricolor* Dkr.  
 22 " *Littorina palliata* Say.  
 3 " *Mactrocallicta pacifica* Dill.  
 2 " *Pholas costata* Linn.  
 2 " *Psammobia ornata* Desh.  
 4 " *Purpura browni* Dkr.  
 12 " *Purpura lapillus* Linn.  
 4 " *Purpura tumulosa* Rv. var.  
 4 " *Scutus unguis* Linn.  
 2 " *Sunetta excavata* Hanl.  
 3 " *Tapes englyptus* Phil.  
 3 " *Tapes graffei* Dkr.  
 3 " *Tapes punctata* Chem.  
 4 " *Tapes philippinarum* Ad. & Rv.  
 2 " *Tellina virgata* var. *jubas* Hanl.  
 4 " *Turbo coronatus* Gmel.  
 4 " *Venus jedoensis* Lisk.

BY PURCHASE.

- 3 Specimens of *Acmaea cruciata* Lam.  
 2 " " *Anapella cuneata* Lam.  
 2 " " *Astrarium aureum* Jones.  
 1 " " *Bulimus dufresni* Pfr.  
 3 " " *Euchelus baccatus* Mke.  
 2 " " *Gari zonalis* Lam.  
 2 " " *Fulgur canaliculata* Linn.  
 3 " " *Fulgur carica* Gmel.  
 2 " " *Helecarion cingulata* Melv. & Pons.  
 1 " " *Lampusia eburnea* Rv.

3	Specimens of	<i>Machella ovalina</i> Gray.
2	" "	<i>Mactra solidissima</i> Chem.
2	" "	<i>Macrochisma tasmaniae</i> Sby.
1	" "	<i>Meretrix planatella</i> Lam.
3	" "	<i>Polinices duplicata</i> Say.
2	" "	<i>Polinices heros</i> Say.
2	" "	<i>Pyramidula elrodi</i> Pils.
2	" "	<i>Siphonaria zonata</i> Rv.
1	" "	<i>Tellina albinella</i> Lam.
1	" "	<i>Trivia grando</i> Gask.
4	" "	<i>Trivia sulcata</i> Gask.
2	" "	<i>Zingis crawfordi</i> Melv. & Pons.

## THROUGH MUSEUM EXPEDITIONS.

## NEWFOUNDLAND EXPEDITION.

324 Specimens, including *Ancylus*, *Helix*, *Littorina*, *Purpura*, *Unio*, *Vivipara* and *Zonites*.

## COLLECTING IN LONG ISLAND SOUND.

368 Specimens, including *Anomia*, *Arca*, *Crepidula*, *Ensis*, *Eupleura*, *Littorina*, *Mactra*, *Modiola*, *Mya*, *Mytilus*, *Nassa*, *Natica*, *Ostrea*, *Pandora*, *Pyrula*, *Urosalpinx* and *Venus*.

## DEPARTMENT OF INVERTEBRATE ZOÖLOGY.

## INVERTEBRATES.

## BY GIFT.

PROF. J. F. ABBOTT, St. Louis, Mo.

A collection of Formicidæ from Japan.

C. G. BAKER, Las Vegas, Cuba.

A collection of Formicidæ from Cuba, California and British Honduras.

DR. S. A. BINION, New York City.

1 Echinoid (*Clypeaster rosaceus*) and 1 Coral specimen from Florida.

DR. W. S. BLATCHLEY, Indianapolis, Ind.

A collection of Formicidæ from Indiana.

DR. THEODORE BUTERMAN.

2 Centipedes from Mindanao, Philippine Islands.

DEPARTMENT OF PARKS, New York City.

2 Pythons.

CARL EICKEMEYER, Yonkers, N. Y.

1 Centipede, 1 Spider and 1 Scorpion.

- ✓ EDWARD A. FORD, New York City. ✓  
Various insects from Gaboon, West Africa.
- ✓ ESTATE OF DR. GEORGE L. HYSLOP, New York City.  
A collection of shells, insects and corals.
- ✓ F. T. LACY, New York City. ✓  
Fresh-water Sponge from Herkimer County, N. Y.
- ✓ NEW YORK ZOÖLOGICAL SOCIETY, New York City.  
1 Cat-fish, 1 Erignathus, 1 Lycodontis, 1 Crocodile, 1 Pogonias.
- ✓ DR. F. C. PAULMIER, Albany, N. Y. ✓  
A collection of Formicidæ from Costa Rica.  
Various Arthropods from Costa Rica.
- PHILADELPHIA ACADEMY OF SCIENCES.  
✓ A collection of Formicidæ of the United States.
- CAPT. WIRT ROBINSON, Fort Totten, L. I. ✓  
✓ 5 Centipedes from Arizona.
- W. H. ROCKWOOD, New York City. ✓  
1 Sponge from the Gulf of St. Lawrence.
- ✓ MISS LUCY A. SANDFORD, New York City. ✓  
1 Coral specimen from Bermuda.
- ✓ MR. SCHMIDT.  
A Hawk-billed Turtle.
- ✓ R. L. STUART. ✓  
A Cameo shell from the West Indies.
- ✓ QUINCY TUCKER, New York City. ✓  
2 Beetles and 2 Caterpillars from Bolivia.
- ✓ H. L. VIERECK, Philadelphia, Pa.  
A collection of Formicidæ of the United States.
- ✓ E. B. WILLIAMSON, Bluffton, Ind. ✓  
10 Crayfish from Indiana.
- ✓ N. YATSU, New York City.  
Various Arthropods from Misaki and Yezo, Japan.

BY EXCHANGE.

- ✓ GEORGE M. GRAY, Woods Hole, Mass. ✓  
Various Cœlenterates.
- ✓ DR. W. KARAWAIEW, Kieff, Russia.  
A collection of Formicidæ from Russia.
- ✓ PROF. A. L. TREADWELL, Poughkeepsie, N. Y. ✓  
13 Vials of Annelids from the Hawaiian Islands, British Columbia  
and Woods Hole, Mass.

## BY PURCHASE.

- ✓ GEORGE M. GRAY, Woods Hole, Mass.  
 Various typical Cœlenterates from Woods Hole, Mass.
- ✓ J. D. JOHNSON, Belise, British Honduras.  
 A collection of Formicidæ from British Honduras.
- ✓ ALAN OWSTON, Yokohama, Japan. ✓  
 2 Glass Sponges (in alcohol) from Japan.  
 A collection of Formicidæ from Japan.
- ✓ A. SCHMIEDL, Benkulen, Sumatra.  
 A collection of Formicidæ from Sumatra.
- ✓ LOUISIANA PURCHASE EXPOSITION, St. Louis, Mo.  
 Various invertebrates from the Philippine Islands (part of the Philippine Exhibit).
- ✓ FRANK E. TRABAUDT. ✓  
 Various insects from southwestern United States.
- ✓ ALEXANDER E. WIGHT, Wellesley, Mass. ✓  
 16 Lots of Cerion shells from the Bahamas.

## THROUGH MUSEUM EXPEDITIONS.

- ✓ DR. J. E. DUERDEN, Grahamstown, South Africa. ✓  
 48 Cases of Corals from the Hawaiian Islands.
- ✓ L. P. GRATACAP, New York City. ✓  
 A collection of Formicidæ from Newfoundland.  
 ✓ 27 Corallines and 14 Sea-urchins from Newfoundland.
- ✓ DR. WM. M. WHEELER, Bronxville, N. Y. ✓  
 1 Frog and 6 Salamanders from the Ramapo Mts., N. Y.

## REPTILES AND BATRACHIANS.

## BY GIFT.

- ✓ WM. T. DAVIS, New Brighton, S. I. ✓  
 3 Salamanders from New York State.
- ✓ Miss M. C. DICKERSON, Providence, R. I. ✓  
 460 Specimens of the batrachians of the United States.
- ✓ ROBERT H. HAY, Washington, D. C. ✓  
 1 Turtle from Guatemala.
- ✓ GNEOMAR VON KROCKOW, Brooklyn, N. Y. ✓  
 Various reptiles and amphibians from Saxony, Germany and New York State.
- ✓ G. M. LONG & COMPANY, New London, Conn. ✓  
 1 Leatherback Turtle, harpooned thirty miles east of Block Island.
- ✓ LOUISIANA PURCHASE EXPOSITION, St. Louis, Mo.  
 Various reptiles and batrachians from the Philippine Islands.



W. DEW. MILLER, Plainfield, N. J. ✓

2 Salamanders from near Plainfield, N. J.

PROF. T. H. MORGAN, Columbia University, New York City. ✓

2 Vials of batrachian eggs.

NEW YORK ZOOLOGICAL SOCIETY, Bronx Park, New York City. ✓

1 Ground Rattlesnake (*Sistrurus miliarius*). ✓

15 Snakes from the United States and Egypt.

48 Reptiles and batrachians from various localities.

1 Albino Wood Turtle from Owego, N. Y. ✓

1 Skeleton of "Bushmaster." ✓

WILLIAM NIVEN, City of Mexico. ✓

1 Amphisbænia from Balsas Station, near City of Mexico.

DR. F. C. PAULMIER, Albany, N. Y. ✓

1 Snake from Costa Rica.

FRANK E. TRABAUDT.

Various reptiles from southwestern United States.

QUINCY TUCKER, New York City.

14 Snakes, 1 Snake's head, 1 Salamander and 1 Lizard.

DR. A. WOODWARD, New York City. ✓

4 Box Tortoises from Rockland County, N. Y.

N. YATSU, New York City. ✓

1 Salamander from Misaki, Japan.

THROUGH MUSEUM EXPEDITIONS.

J. H. BATTY, New York City. ✓

1 Snake and 5 Lizard-skins from near Jalisco, Mexico.

2 Lizard- and 3 Snake-skins. ✓

FISHES.

BY GIFT.

J. HARVEY LADEW, New York City. ✓

15 Mounted Fish.

MAMMALS.

BY PURCHASE.

WARD'S NATURAL SCIENCE ESTABLISHMENT, Rochester, N. Y.

1 *Hyrax capensis*.

BIRDS.

BY GIFT.

C. A. MARSH, New York City. ✓

1 Mounted Peacock.

Mrs. ALEXANDER L. MARTIN, New York City. ✓

15 Mounted Birds.



# INCORPORATION.

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## AN ACT

TO INCORPORATE THE

## AMERICAN MUSEUM OF NATURAL HISTORY,

Passed April 6, 1869.

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*The People of the State of New York, represented in Senate and Assembly, do enact as follows :*

SECTION 1. John David Wolfe, Robert Colgate, Benjamin H. Field, Robert L. Stuart, Adrian Iselin, Benjamin B. Sherman, William A. Haines, Theodore Roosevelt, Howard Potter, William T. Blodgett, Morris K. Jesup, D. Jackson Steward, J. Pierpont Morgan, A. G. P. Dodge, Chas. A. Dana, Joseph H. Choate and Henry Parish, and such persons as may hereafter become members of the Corporation hereby created, are hereby created a body corporate, by the name of "The American Museum of Natural History," to be located in the City of New York, for the purpose of establishing and maintaining in said city a Museum and Library of Natural History; of encouraging and developing the study of Natural Science; of advancing the general knowledge of kindred subjects, and to that end of furnishing popular instruction and recreation.

SEC. 2. Said Corporation shall have power to make and adopt a Constitution and By-Laws, and to make rules and regulations for the admission, suspension and expulsion of its members, and their government, the number and election of its officers, and to define their duties, and for the safe keeping of its property, and, from time to time, to alter and modify such Constitution, By-Laws, Rules and Regulations. Until

an election shall be held pursuant to such Constitution and By-Laws, the persons named in the first section of this Act shall be, and are hereby declared to be, the Trustees and Managers of said Corporation and its property.

SEC. 3. Said Corporation may take and hold by gift, devise, bequest, purchase or lease, either absolutely or in trust, for any purpose comprised in the objects of the Corporation, any real or personal estate, necessary or proper for the purposes of its incorporation.<sup>1</sup>

SEC. 4. Said Corporation shall possess the general powers, and be subject to the restrictions and liabilities, prescribed in the Third Title of the Eighteenth Chapter of the First Part of the Revised Statutes.

SEC. 5. This Act shall take effect immediately.

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STATE OF NEW YORK, }  
OFFICE OF THE SECRETARY OF STATE. } ss.:

I have compared the preceding with the original law on file in this office, and do hereby certify that the same is a correct transcript therefrom, and of the whole of said original law.

[L. s.]                      Given under my hand and seal of Office at the City of Albany,  
this fourteenth day of April, in the year one thousand  
eight hundred and sixty-nine.

D. WILLERS, Jr., *Deputy Secretary of State.*

<sup>1</sup> As amended by Chapter 303, Laws of 1898, of the State of New York, entitled "An Act to amend chapter one hundred and nineteen, laws of eighteen hundred and sixty-nine, entitled 'An Act to incorporate the American Museum of Natural History,' relative to its charter."

# CONTRACT

## WITH THE DEPARTMENT OF PUBLIC PARKS

FOR THE OCCUPATION OF THE NEW BUILDING.

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THIS AGREEMENT, made and concluded on the twenty-second day of December, in the year one thousand eight hundred and seventy-seven, between the DEPARTMENT OF PUBLIC PARKS OF THE CITY OF NEW YORK, the party of the first part, and the AMERICAN MUSEUM OF NATURAL HISTORY, party of the second part, witnesseth:

*Whereas*, by an Act of the Legislature of the State of New York, passed April 22d, 1876, entitled "An Act in relation to the powers and duties of the Board of Commissioners of the Department of Public Parks, in connection with the American Museum of Natural History, and the Metropolitan Museum of Art," the said party of the first part is authorized and directed to enter into a contract with the said party of the second part, for the occupation by it of the buildings erected or to be erected on that portion of the Central Park in the City of New York, known as Manhattan Square, and for transferring thereto and establishing and maintaining therein its museum, library and collections, and carrying out the objects and purposes of said party of the second part; and,

*Whereas*, a building contemplated by said act has now been erected and nearly completed and equipped in a manner suitable for the purposes of said Museum, as provided in the first section of the Act of May 15, 1875, known as Chapter 351, of the Laws of 1875, for the purpose of establishing and maintaining therein the said Museum, as provided by the said last-named act, and by the Act of April 5, 1871, known as Chapter 290, of the Laws of 1871; and,

*Whereas*, it is desired as well by the said party of the first part, as by the said party of the second part, that, immediately upon the completion and equipment of said building, the said party of the second part should be established therein, and should transfer thereto its museum, library and collections, and carry out the objects and purposes of the said party of the second part;

Now, therefore, it is agreed by and between the said parties as follows, namely:

*First.*—That the said party of the first part has granted and demised and let, and doth, by these presents, grant, demise and let, unto the said party of the second part, the said buildings and the appurtenances thereunto belonging, to have and to hold the same so long as the said party of the second part shall continue to carry out the objects and purposes defined in its charter; or such other objects and purposes as by any future amendment of said charter may be authorized; and shall faithfully keep, perform, and observe the covenants and conditions herein contained on its part to be kept, performed and observed, or until the said building shall be surrendered by the said party of the second part, as hereinafter provided.

*Secondly.*—That neither the party of the first part, its successor or successors, nor the Mayor, Aldermen and Commonalty of the City of New York, shall be in any manner chargeable or liable for the preservation of the said building or the property of the party of the second part which may be placed therein, against fire, or for any damage or injury that may be caused by fire to the said property; but it is agreed that, damages as aforesaid excepted, the said party of the first part will keep said building, from time to time, in repair.

*Thirdly.*—That as soon after the completion and equipment of said building as practicable, said party of the second part shall transfer to, and place and arrange in said building, its museum, library and collections, or such portion thereof as can be properly displayed to the public therein, and shall have

and enjoy the exclusive use of the whole of said building, subject to the provisions herein contained, and the rules and regulations herein prescribed, during the continuance of the term granted, or until a surrender thereof, as herein provided.

*Fourthly.*—That the exhibition halls of said building shall, on Wednesday, Thursday, Friday and Saturday of each week, and on all legal or public holidays, except Sundays, be kept open and accessible to the public, free of charge, from nine o'clock A.M. until half an hour before sunset, under such rules and regulations as the party of the second part shall from time to time prescribe; but on the remaining days of the week the same shall be only open for exhibition to such persons, upon such terms as the said party of the second part shall from time to time direct. But all professors and teachers of the public schools of the City of New York, or other institutions of learning in said city, in which instruction is given free of charge, shall be admitted to all the advantages afforded by the said party of the second part, through its museum, library, apparatus, and collections, or otherwise, for study, research and investigation, free of any charge therefor, and to the same extent and on the same terms and conditions as any other persons are admitted to such advantages, as aforesaid.

*Fifthly.*—That the museum, library and collections, and all other property of said party of the second part, which shall or may be placed in said building, shall continue to be and remain absolutely the property of said party of the second part, and neither the said party of the first part nor the said the Mayor, Aldermen and Commonalty, shall by reason of said property being placed in said building, or continuing therein, have any right, title, property or interest therein; nor shall the said party of the second part, by reason of its occupation and use of said building under this agreement, acquire, or be deemed to have any right, title, property or interest in said building, except so far as expressly granted by this agreement.

*Sixthly.*—That the said party of the second part shall, on or before the first day of May, in every year, during the con-

tinuance of this agreement, submit to the said party of the first part, its successor or successors, a detailed printed report of the operations and transactions of the said party of the second part, and all its receipts and payments, for the year ending with the 31st day of December next preceding.

*Seventhly.*—That said party of the first part shall have, at all times, access to every part of the said building for general visitation and supervision, and also for the purpose of the performance of the duties devolved upon it by the laws of the State of New York, or of the City of New York. That the police powers and supervision of said party of the first part shall extend in, through and about said building. That the said party of the second part may appoint, direct, control and remove all persons employed within said building, and in and about the care of said building, and the museum, library and collections therein contained.

*Eighthly.*—That said party of the second part may, at any time, after the expiration of three, and before the expiration of six months from the date of the service of a notice in writing to said party of the first part, its successor or successors, or to the Mayor of the City of New York, of its intention so to do, quit and surrender the said premises and remove all its property therefrom; and upon and after such notice, the said party of the second part shall and will, at the expiration of the said six months, quietly and peaceably yield up and surrender unto the said party of the first part and its successors all and singular the aforesaid demised premises. And it is expressly understood and agreed by and between the parties hereto that if the said party of the second part shall omit to do, perform, fulfill or keep any or either of the covenants, articles, clauses and agreements, matters and things herein contained, which on its part are to be done, performed, fulfilled or kept, according to the true intent and meaning of these presents, then and from thenceforth this grant and demise shall be utterly null and void. And in such case it shall and may be lawful for said Department to serve or cause to be served on the said party of the second part a notice in writing declaring that the said



grant hereinbefore made has become utterly null and void and thereupon the said party of the first part, its successor or successors (ninety days' time being first given to the said party of the second part to remove its property therefrom), may reënter, and shall again have, repossess and enjoy the premises aforementioned, the same as in their first and former estate, and in like manner as though these presents had never been made, without let or hindrance of the said party of the second part, anything here contained to the contrary notwithstanding.

*Ninthly.*—And it is further expressly understood and agreed, by and between the parties hereto, that this agreement may be wholly canceled and annulled, or, from time to time, altered, or modified, as may be agreed, in writing, between the said parties, or their successors; anything herein contained to the contrary in anywise notwithstanding.

*In witness whereof*, the party of the first part hath caused this agreement to be executed by their President and Secretary, pursuant to a resolution of the Board of Commissioners of said Department, adopted at a meeting held on the thirtieth day of January, in the year of our Lord one thousand eight hundred and seventy-eight; and the said party of the second part hath caused the same to be executed by their President, and their official seal affixed thereto, pursuant to a resolution of the Trustees of the American Museum of Natural History, adopted at a meeting held on the twelfth day of February, in the year of our Lord one thousand eight hundred and seventy-seven.

In presence of

D. PORTER LORD.

JAMES F. WENMAN,

*President Department of Public Parks  
of the City of New York.*

WILLIAM IRWIN,

*Secretary Department of Public Parks  
of the City of New York.*

ROBERT L. STUART,

*President American Museum of  
Natural History.*

SEAL  
of the American  
Museum of  
Natural History

STATE OF NEW YORK, }  
 City and County of New York, } ss. :

On this 12th day of February, in the year 1878, before me personally came James F. Wenman, President of the Department of Public Parks of the City of New York, and William Irwin, Secretary of the said Department of Public Parks, with both of whom I am personally acquainted, and both of whom being by me duly sworn, said that they reside in the City and County of New York ; that the said James F. Wenman is the President, and the said William Irwin is the Secretary of the said Department of Public Parks, and that they signed their names to the foregoing agreement by order of the Board of Commissioners of the said Department of Public Parks, as such President and Secretary.

[SEAL.]

W. C. BESSON,  
 (73) Notary Public N. Y. Co.

STATE OF NEW YORK, }  
 City and County of New York, } ss. :

On this 12th day of February, in the year 1878, before me personally came Robert L. Stuart, the President of the American Museum of Natural History, with whom I am personally acquainted, who being by me duly sworn, said that he resides in the City and County of New York, that he is the President of the American Museum of Natural History, and that he knows the corporate seal of said museum, that the seal affixed to the foregoing agreement is such corporate seal, that it is affixed thereto by order of the Board of Trustees of said American Museum of Natural History, and that he signed his name thereto by the like order, as President of said Museum.

[SEAL.]

W. C. BESSON,  
 (73) Notary Public N. Y. Co.

Recorded in the office of the Register of the City and County of New York in Liber 1426 of Cons., page 402, February 16, A. D. 1878, at 9 o'clock A.M., and examined.

Witness my hand and official seal,

[SEAL.]

FREDERICK W. LOEW,  
*Register.*

NOTE.—July 25, 1892, by consent of the Trustees, section fourth was modified to enable the Trustees to open the Museum free to the public "throughout the year, excepting Mondays, but including Sunday afternoons and two evenings of each week."

June 29, 1893, by consent of the Trustees, section fourth was modified to enable the Trustees to open the Museum free of charge to the public "throughout the year for five days in each week, one of which shall be Sunday afternoon, and also two evenings of each week."

CONSTITUTION  
OF THE  
AMERICAN MUSEUM OF NATURAL HISTORY,

IN THE CITY OF NEW YORK.

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ARTICLE I.

This Corporation shall be styled THE AMERICAN MUSEUM OF NATURAL HISTORY.

ARTICLE II.

The several persons named in the charter, and such others as they may add to their number, which shall not exceed twenty-five in all at one time, shall be the Trustees to manage the affairs, property and business of the Corporation.

The members of the Board of Trustees holding office at the time of the regular quarterly meeting of November, 1905, shall then, or at the first meeting of the Board thereafter, be divided by lot into five classes of five members each, to serve for the terms of one, two, three, four and five years respectively from the date of the annual meeting of February, 1906. The Board of Trustees at each annual meeting thereafter, or an adjournment thereof, shall by ballot, by a majority vote of the Trustees present at the meeting, elect five Trustees to supply the places of the class whose term expires at that meeting; said newly elected Trustees to hold office for five years or until their successors are elected. In case of a vacancy in the Board by death, resignation, disqualification or otherwise, the vacancy shall be filled by ballot, in like manner, by the Board of Trustees at any regular meeting or special meeting, for the unexpired term. No person shall be eligible for election as Trustee who shall not be a "Patron" of the Museum, unless by a unanimous vote of a quorum of the Board, nor be

eligible unless his name shall be presented by the Nominating Committee at a regular or special meeting of the Board previous to the meeting at which his name shall be acted upon. Written notice of such election and the vacancy to be filled shall be sent to the Trustees at least one week prior to said meeting.

### ARTICLE III.

The Trustees shall meet quarterly, on the second Monday of every February, May, August and November, at an hour and place to be designated, on at least one week's written notice from the Secretary, and shall annually, at the quarterly meeting in February, elect the officers and committees for the ensuing year. They shall also meet at any other time to transact special business on a call of the Secretary, who shall issue such call whenever requested so to do, in writing, by five Trustees, or by the President, and give written notice to each Trustee of such special meeting, and of the object thereof, at least three days before the meeting is held.

### ARTICLE IV.

SECTION 1. The officers of said Corporation shall be a President, a First Vice-President, a Second Vice-President, a Treasurer and a Secretary. The President and Vice-Presidents shall be elected from among the Trustees. The Treasurer and Secretary may or may not be chosen from such Trustees. These officers shall be elected by ballot, and the persons having a majority of the votes cast shall be deemed duly elected. They shall hold their offices for one year or until their successors shall be elected.

SEC. 2. The Board of Trustees shall appoint each year, in such manner as it may direct, the following Standing Committees: an Executive Committee, an Auditing Committee, a Finance Committee, a Nominating Committee. These Committees are all to be elected from the Trustees, and the members shall hold office for one year or until their successors shall be elected.

The Board of Trustees shall also have authority to appoint such other committees or officers as they may at any time deem desirable, and to delegate to them such powers as may be necessary.

#### ARTICLE V.

SECTION 1. The President shall have a general supervision and direction over the affairs of the Corporation, and shall preside at all the meetings of the Museum and of the Trustees. In his absence or inability to act, the First or Second Vice-President shall act in his place.

SEC. 2. The Secretary shall be present, unless otherwise ordered by the Board, at all the meetings of the Museum and Trustees, of the Executive Committee and such other Committees as the Board may direct. He shall keep a careful record of the proceedings of such meetings, shall preserve the seal, archives and correspondence of the Museum, shall issue notices for all meetings of the Trustees and various committees, and shall perform such other duties as the Board may direct.

The Board of Trustees shall have power to appoint an Assistant Secretary, who, under its direction, shall perform the duties of the Secretary in his absence or inability to act.

SEC. 3. The Treasurer shall receive and disburse the funds of the Museum. He shall report in writing, at each quarterly meeting of the Trustees, the balance of money on hand, and the outstanding obligations of the Museum, as far as practicable; and shall make a full report at the annual meeting of the receipts and disbursements of the past year, with such suggestions as to the financial management of the Museum as he may deem proper.

SEC. 4. The accounts of the Museum shall be kept at the General Office, in books belonging to it, which shall at all times be open to the inspection of the Trustees.

These accounts shall be under the care of an Assistant Treasurer, who shall be appointed by the Board of Trustees and be under its direction. He shall give such bonds for the faithful performance of his duties as the Board may direct.

SEC. 5. The offices of Secretary and Assistant Treasurer may be held by the same person.

#### ARTICLE VI.

The Executive Committee shall consist of nine Trustees, of whom the President, First and Second Vice-Presidents and Treasurer, in case he be a Trustee, shall be four, and five other members to be appointed each year in the manner provided in Article IV. They shall have the control and regulation of the collections, library and other property of the Museum; and shall have power to purchase, sell and exchange specimens and books, to employ agents, to regulate the manner and terms of exhibiting the Museum to the public, and generally to carry out in detail the directions of the Trustees; but the Executive Committee shall not incur any expense or liability for the Museum exceeding two thousand dollars at one time, or exceeding in all ten thousand dollars, in the interval between the quarterly meetings of the Trustees, without the express sanction of the Trustees. Five members of the Committee shall constitute a quorum for the transaction of business.

#### ARTICLE VII.

The Auditing Committee shall consist of three Trustees. They shall have the books of the Museum duly audited, at least once in six months, by an authorized public accountant to be selected by them.

No bills shall be paid unless approved, in writing, by the President, the Chairman of the Executive Committee, or the Director.

#### ARTICLE VIII.

The Finance Committee shall consist of four Trustees, including the Treasurer in case he be a Trustee. They shall have general charge of the moneys and securities of the Endowment and other permanent funds of the Museum, and such real estate as may become the property of the Corporation, with authority to invest, sell and reinvest the same, subject to the approval of the Board of Trustees.

ARTICLE IX.

The Nominating Committee shall be composed of three Trustees, to whom shall be first submitted the names of any persons proposed as candidates for election to membership in the Board of Trustees. The Committee shall report on such candidates from time to time, as it may deem to be for the interest of the Museum. A fortnight before the annual meeting they shall prepare and mail to each member of the Board of Trustees a list of five candidates to be elected by ballot at the said meeting.

ARTICLE X.

The President shall be a member, *ex-officio*, of all standing committees.

ARTICLE XI.

Nine Trustees shall constitute a quorum for the transaction of business, but five Trustees meeting may adjourn and transact current business, subject to the subsequent approval of a meeting at which a quorum shall be present.

ARTICLE XII.

By-Laws may be made from time to time by the Trustees providing for the care and management of the property of the Corporation and for the government of its affairs, and may be amended at any meeting of the Trustees by a vote of a majority of those present, after a month's notice in writing of such proposed amendment.

ARTICLE XIII.

The contribution of \$1,000 or more to the funds of the Museum, at any one time, shall entitle the person giving the same to be a Patron of the Museum, who shall have the right in perpetuity to appoint the successor in such patronship.

The contribution of \$500, at one time, shall entitle the person giving the same to be a Fellow, who shall have the right to appoint one successor in such fellowship.

*No appointment of a successor shall be valid unless the same shall be in writing, endorsed on the certificate, or by the last will and testament.*

The contribution of \$100, at one time, shall entitle the person giving the same to be a Life Member.

Any person may be elected by the Trustees to either of the above degrees, who shall have given to the Museum books or specimens, which shall have been accepted by the Executive Committee, or by the President, to the value of twice the amount in money requisite to his admission to the same degree, and the President and Secretary shall issue diplomas accordingly under the seal of the Museum.

The Trustees may also elect Honorary Fellows of the Museum in their discretion.

#### ARTICLE XIV.

Any person who has held the office of President for ten or more successive years may be elected by the Trustees as Honorary President for life.

#### ARTICLE XV.

No alterations shall be made in this Constitution, unless at a regular quarterly meeting of the Trustees, or at a special meeting called for this purpose; nor by the votes of less than a majority of all the Trustees; nor without notice in writing of the proposed alteration, embodying the amendment proposed to be made, having been given at a regular meeting.



## BY-LAWS.

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### I.

Patrons, giving \$1,000, are each entitled to 1 Subscriber's Ticket, 5 Complimentary Season Tickets and 10 Tickets for a single admission.

Fellows, giving \$500, are each entitled to 1 Subscriber's Ticket and 10 Tickets for a single admission.

Life Members, giving \$100, are each entitled to 1 Subscriber's Ticket and 5 Tickets for a single admission.

Annual Members, paying \$10 yearly, are each entitled to 1 Subscriber's Ticket and 2 Tickets for a single admission.

[NOTE.—A Subscriber's Ticket admits two persons to the Museum on reserve days (Mondays and Tuesdays), and to all Receptions and Special Exhibitions, and may be used by any member of the Subscriber's family.

The Single Admission Tickets admit the bearers to the Museum on reserve days (Mondays and Tuesdays), and are issued to Subscribers for distribution among friends and visitors.]

### II.

Any Trustee who shall fail to attend three consecutive Regular Quarterly Meetings of the Board shall cease to be a Trustee, unless excused by the Board.

### III.

No indebtedness (other than for current expenses) shall be incurred by any committee, officer or employee of the Museum, except as provided for in the Constitution. Any desired additional expenditure shall first receive the approval of the Board of Trustees.

### IV.

If any Trustee shall accept a salary from this Corporation he shall thereby be disqualified for the time being from acting

as a Trustee thereof; provided, that the Board of Trustees shall have power to suspend the operation of this law in any special case.

V.

Any vacancies occurring in the membership of the several committees during the interval between the regular meetings of the Board of Trustees may be filled at a regular meeting of the Executive Committee, until the next meeting of the Board.

VI.

All bequests or legacies, not especially designated, shall hereafter be applied to the *Permanent Endowment Fund*, the interest only of which shall be applied to the use of the Museum as the Board shall direct.

VII.

At such times as it may be impracticable to obtain the services of the members of the Auditing Committee, the members of the Executive Committee may act in their place and stead.

# THE MAINTENANCE APPROPRIATION.

BY THE LEGISLATURE, 1905.

CHAP. 292.

AN ACT to authorize a further appropriation for the maintenance of the American Museum of Natural History in the Central Park of the City of New York.

ACCEPTED BY THE CITY.

Became a law, April 22, 1905, with the approval of the Governor. Passed, three-fifths being present.

The People of the State of New York, represented in Senate and Assembly, do enact as follows :

SECTION 1. The Board of Estimate and Apportionment of the City of New York may annually in its discretion include in the budget for the then next ensuing financial year a sum not exceeding forty thousand dollars to be applied by the Department of Parks of said city through the Commissioner of Parks for the Boroughs of Manhattan and Richmond for keeping, preparing, preserving and exhibiting the collections in the buildings in the Central Park in the said city that are now or hereafter may be occupied by the American Museum of Natural History in addition to the sum or sums now authorized by law for such purposes.

Sec. 2. This act shall take effect immediately.

STATE OF NEW YORK, }  
Office of the Secretary of State. } ss.

I have compared the preceding with the original law on file in this office, and do hereby certify that the same is a correct transcript therefrom and of the whole of said original law.

(Signed) JOHN F. O'BRIEN,  
*Secretary of State.*

# FOR THE COMPLETION OF THE CONSTRUCTION OF THE UNFINISHED PORTIONS OF THE BUILDING.

## LEGAL ENACTMENTS OF 1903.

### BY THE BOARD OF ALDERMEN.

AN ORDINANCE providing for an issue of Corporate Stock in the sum of one hundred and eighty-eight thousand dollars (\$188,000), to provide means for the completion of the construction of the unfinished portions of the American Museum of Natural History Building in the Borough of Manhattan.

Be it ordained by the Board of Aldermen of the City of New York, as follows:

SECTION 1. The Board of Aldermen hereby approves of and concurs in the following resolution, adopted by the Board of Estimate and Apportionment May 8, 1903, and authorizes the Comptroller to issue Corporate Stock of the City of New York to the amount and for the purposes therein specified:

"Resolved, That, pursuant to the provisions of Section 47 of the Greater New York Charter, the Board of Estimate and Apportionment hereby approves of the issue of Corporate Stock of The City of New York, to an amount not exceeding one hundred and eighty-eight thousand dollars (\$188,000) to provide means for the completion of the construction of the unfinished portions of the American Museum of Natural History Building in the Borough of Manhattan, and that when authority therefor shall have been obtained from the Board of Aldermen, the Comptroller is authorized to issue Corporate Stock of The City of New York, in the manner provided by Section 169 of the Greater New York Charter, to an amount not exceeding one hundred and eighty-eight thousand dollars (\$188,000), the proceeds whereof shall be applied to the purposes aforesaid."

Adopted by the Board of Aldermen June 16, 1903, a majority of all the members elected voting in favor thereof.

Approved by the Mayor June 22, 1903. (Signed) P. J. SCULLY, *Clerk*.

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Contracts awarded to December 31, 1905.

For the completion and construction of Corridors and Approaches to the Power Wing, and the Heating, Lighting and Ventilation of same for The American Museum of Natural History.

Contract awarded Richard L. Walsh Company, September 31, 1904, \$52,355.

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## APPROPRIATION AND EXPENDITURES MADE THEREFROM DECEMBER 31, 1904, TO DECEMBER 31, 1905.

### APPROPRIATION:

By Balance January 1, 1905..... \$54,822.97

### EXPENDITURES:

To Richard L. Walsh Company.....\$52,355 00

To Charles Volz..... 1,096 91    \$53,451 91

Balance January 1, 1906..... \$1,371 06

FOR THE EQUIPPING AND FINISHING OF THE  
BUILDING AND THE CONSTRUCTION OF  
ADDITIONS THERETO.

LEGAL ENACTMENTS OF 1905.

BY THE BOARD OF ALDERMEN.

AN ORDINANCE providing for an issue of Corporate Stock in the sum of five hundred thousand dollars (\$500,000), to provide means for the equipping and finishing of The American Museum of Natural History in Manhattan Square, Borough of Manhattan, and the construction of additions thereto.

Be it ordained by the Board of Aldermen of the City of New York as follows:

SECTION 1. The Board of Aldermen hereby approves of and concurs in the following resolution adopted by the Board of Estimate and Apportionment March 16, 1905, and authorizes the Comptroller to issue Corporate Stock of The City of New York to the amount and for the purposes therein specified:

*“Resolved,* That, pursuant to the provisions of section 47 of the Greater New York Charter, as amended by chapter 409 of the Laws of 1904, the Board of Estimate and Apportionment hereby approves of the issue of Corporate Stock of The City of New York, to an amount not exceeding five hundred thousand dollars (\$500,000), to provide means for the equipping and furnishing of The American Museum of Natural History in Manhattan Square, Borough of Manhattan, and the construction of additions thereto, and that when authority therefor shall have been obtained from the Board of Aldermen, the Comptroller is authorized to issue Corporate Stock of The City of New York, in the manner provided by section 169 of the Greater New York Charter, to an amount not exceeding five hundred thousand dollars (\$500,000), the proceeds whereof to be applied to the purposes aforesaid.”

Adopted by the Board of Aldermen April 11, 1905, a majority of all the members elected voting in favor thereof.

Approved by the Mayor April 18, 1905. (Signed) P. J. SCULLY, *Clerk.*

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Contracts awarded to December 31, 1905.

For the erection of Fire Lines, Sprinkler System, Fire Escapes, etc.

Contract awarded R. J. F. Gerstle Company, November 26, 1905, \$19,838.

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APPROPRIATION AND EXPENDITURES MADE THEREFROM  
TO DECEMBER 31, 1905.

APPROPRIATION:

By Direct Appropriation..... \$500,000 00

EXPENDITURES:

Museum orders.....\$5,253 37

Carpenters' Payroll, etc..... 4,167 38      9,420 75

Balance January 1, 1906..... \$490,579 25



## PATRONS.

MORRIS K. JESUP.  
 ROBERT L. STUART.\*  
 Miss C. L. WOLFE.\*  
 ROBERT COLGATE.\*  
 FREDERIC W. STEVENS.  
 PERCY R. PYNE.\*  
 JAMES M. CONSTABLE.\*  
 JOHN B. TREVOR.\*  
 ADRIAN ISELIN.\*  
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 HENRY H. WOTHERSPOON.  
 Miss FANNY ELLEN WRIGHT.  
 JOHN H. WYMAN.\*  
 Mrs. JOHN J. WYSONG.  
 WM. ZIEGLER.\*

\* Deceased.

## ANNUAL MEMBERS.

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Abeel, George	Arnold, E. S. F., M.D.	Barton, Mrs. F. O.
Achelís, Fritz	Ashwell, W. C.	Batchelor, Charles
Acker, Franklin	Asiel, E.	Bauer, Mrs. Louis
Ackerman, Ernest R.	Asten, Mrs. Thomas B.	Baugh, Mrs. Margaret L.
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Adams, Mrs. T. M.	Auchincloss, Hugh	Baxter, G. S., Jr.
Adee, Philip H.	Auchincloss, John W.	Baxter, M., Jr.
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Agnew, A. G.	Aufhauser, Samuel	Baylies, Mrs. N. E.
Agnew, Mrs. C. R.	Aycrigg, B. Arthur	Baylis, Wm.
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Alexander, John F.	Bacon, Miss Martha W.	Beekman, Gerard
Alexandre, J. H.	Bailey, Dr. Pearce	Beers, M. H.
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Amend, Bernard G.	Baker, Robert B.	Bendernagel, James F.
Amend, Robert F.	Baker, Stephen	Benedict, A. C.
Amerman, W. L.	Baker, W. E.	Benedict, E. C.
Amundson, John A.	Baldwin, Frederick H.	Benedict, James H.
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Amy, L. H.	Baldwin, W. D.	Benjamin, George G.
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Appleton, W. W.	Ballard, Fred'k E.	Bernheimer, Mrs. A.
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Archer, George A.	Bangs, F. S.	Bernheimer, Simon E.
Arend, F. J.	Bangs, L. Bolton, M.D.	Berolzheim, Philip
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Armstrong, John H.	Barron, George D.	Bien, Julius

- Bier, Sylvan  
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 Bishop, Wm. F.  
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 Blair, Mrs. D. C.  
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 Bloomingdale, Lyman G.  
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 Blumenthal, Hugo  
 Blumgart, Louis  
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 Boettger, Th. M.  
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 Bogert, Stephen G.  
 Bohde, Edward C.  
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 Bond, Frank S.  
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 Bowne, S. W.  
 Bradley, S. R.  
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 Brainard, Frank  
 Brandegee, Dr. W. P.  
 Breslin, James H.  
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 Brisley, W. H.  
 Bristol, John I. D.  
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 Brookman, Mrs. H. D.  
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 Brower, Wm. L.  
 Brown, Charles F.  
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 Browning J. A.  
 Browning, Wm. H.  
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 Buchanan, William  
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 Bulkley, L. D., M.D.  
 Burden, Henry, 2d  
 Burden, James A.  
 Burden, James A., Jr.  
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 Burgess, Edward G.  
 Burghard, Mrs. Edw. M.  
 Burleigh, George W.  
 Burleigh, Col. John L.  
 Burr, Wm. H.  
 Bush, W. T.  
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 Calman, Henry L.  
 Cameron, W. L.  
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 Cammann, Miss I. M.  
 Canfield, Frederick A.  
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 Carlebach, Emil  
 Carleton, Mrs. G. W.  
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 Carr, Alfred  
 Carse, John B.  
 Carton, Andrew B.  
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 Case, F. C.  
 Cassard, William J.  
 Caswell, John H.  
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 Chambers, James  
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 Clark, W. A.  
 Clark, William N.  
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 Clarke, Thomas B.  
 Clarke, Thomas Shields  
 Clarke, W. C.



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Coffin, I. Sherwood  
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Doll, Jacob  
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Durkee, Eugene W.	Farragut, Loyall	Geer, Walter
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Dutton, Chas. T.	Fay, Sigourney W.	Gerrish, Frank Scott
Dutton, Edward P.	Fearons, George H.	Gibney, V. P.
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Eaton, George Dummer	Field, Wm. B. Osgood	Glazier, Henry S.
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Edson, Jarvis B.	Fischer, William H.	Godfrey, Chas. H.
Edwards, R. L.	Fisher, F. R.	Goebel, Lewis S.
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Eimer, August	Fitch, E. W.	Goldschmidt, S. A.
Einstein, David L.	Flagler, Harry Harkness	Goodfriend, Meyer
Einstein, I. D.	Fleitman, Ewald	Goodhue, Charles E.
Elder, Mrs. M. A.	Fletcher, Andrew	Gossler, G. H.
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Eldridge, Roswell	Flower, Frederick S.	Gotthold, Fred.
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Ellsworth, Wm. W.	Foster, Edward W.	Granbery, W. H.
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Ely, Frederick G.	Fowler, Anderson	Graves, Wm. Leon
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Emmet, Robert Temple	Fraser, Mrs. Geo. S.	Greer, Charles

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 Griffith, Daniel J.  
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 Griswold, Chester  
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 Guggenheim, William  
 Guggenheimer, R.  
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 Gundlach, C.  
  
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 Havemeyer, J. C.

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 Hawke, Madison G.  
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 Holden, E. R.  
 Holden, James C.  
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 Hoyt, Gerald L.  
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 Hyde, E. Francis

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 Iselin, Wm. E.  
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 Jacob, Chas. W.  
 Jacobus, John S.  
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 Joline, Adrian H.  
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 Judson, Henry I.  
 Jungmann, J.  
  
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 Kahn, Otto H.  
 Kahnweiler, William S.  
 Kalbert, Adolph  
 Kamm, F. W. M.  
 Kane, Miss M. Sybil  
 Kauffeld, Theodore  
 Kean, Otis H.  
 Kellogg, Mrs. Chas.  
 Kellogg, Daniel F.  
 Kelly, Augustus W.  
 Kemmerer, M. S.  
 Kemp, Mrs. Edward  
 Kemp, George Wm.  
 Kemp, Prof. James F.  
 Kennedy, John S.  
 Kenyon, Robert N.  
 Kenyon, William H.  
 Kerr, John B.  
 Kessler, Miss Wilh'lmina  
 Kevan, William  
 Keyser, Miss Julia T.  
 Kidder, C. G.  
 Kilner, S. E.  
 Kimball, Alfred R.  
 Kimbel, Anthony  
 Kimbel, Henry  
 King, Edward  
 King, Miss Mary R.  
 King, Thomas M.  
 King, William F.  
 Kingsley, W. M.  
 Kinnicutt, Dr. F. P.  
 Kip, Clarence V.  
 Kip, W. Ruloff  
 Klatzl, John C.  
 Klenke, William H.  
 Knapp, H., M.D.  
 Koegler, Mrs. E. Gélén  
 Kohlman, Charles  
 Kohn, S. H.  
 Kohn, Theo. A.  
 Kohns, L.  
 Kraus-Boelté, Mrs. M.  
 Krower, Alfred  
  
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 Kuhn, Arthur K.  
 Kuttroff, Adolf  
  
 Lacey, H. D.  
 Lacombe, E. Henry  
 Lagai, Dr. G.  
 Lagowitz, Miss H. L.  
 Lambert, Adrian V. S.  
 Lambert, Samuel W.  
 Lammel, Rev. Anthony  
 Lamarche, Henry J.  
 L'Amoreaux, J. S.  
 Landon, Francis G.  
 Landon, Henry Hutton  
 Lane, Edward V. Z.  
 Lane, James Warren  
 Lange, J. D.  
 Langeloth, J.  
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 Lapham, Lewis H.  
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 Lavelle, Rev. Michael J.  
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 Lehman, Meyer H.  
 Leighton, George B.  
 Leland, Amory  
 Leshner, A. L.  
 Lethbridge, Robert P.  
 Leupp, Wm. H.  
 Levi, Albert A.  
 Levi, Emil

Levi, Emil S.	MacDougall, George R.	McCagg, Louis B.
Levine, Julius	MacVeagh, Charles	McCosh, Dr. A. J.
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Lewis, Mrs. John V. B.	Mackenzie, Duncan E.	McGovern, James
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Lichtenstein, Paul	Macy, Wm. H., Jr.	McKelvey, J. J.
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Lockwood, W. B.	Marcus, Arnold	Mellen, C. S.
Loeb, James	Mark, Jacob L.	Meloy, Andrew D.
Loewi, Valentine	Markle, John	Merck, George
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Lowell, Miss C. Russell	Marsh, J. A.	Meyer, Amandus
Lowell, Mrs. Charles R.	Marshall, Charles H.	Meyer, George A.
Löwengard, Otto	Marston, Edgar L.	Meyer, Harry J.
Ludington, C. H.	Marston, Edwin S.	Meyer, Robert B.
Ludlow, James B.	Martin, E. Howard	Meyer, Thomas C.
Lueder, A.	Martin, W. M.	Meyn, Heinrich
Lummis, Benjamin R.	Martinez, M. R.	Middleton, A. D.
Lummis, Wm.	Marvin, Charles D.	Milbank, Joseph
Lusk, Miss Anna H.	Massey, George	Mildeberger, Mrs. John
Luttgen, Wm.	Mathews, Thomas	Milholland, John E.
Lydig, David	Matthiessen, Marie	Miller, A.
Lyman, Henry D.	Maynard, George W.	Miller, D. S.
Lynde, Rollin H.	McAlan, John	Miller, Geo. Macculloch
Lyon, Ralph	McAleenan, Henry A.	Mills, John T., Jr.,
	McAlpin, Dr. D.H., Jr.	Mitchell, A. M.
Maas, Gustavus	McAlpin, George L.	Mitchell, Alfred
Mabon, J. B.	McBean, Duncan D.	Mitchell, Cornelius B.

- Mitchell, John J.  
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 Moller, Peter, Jr.  
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 Moore, W. H. Helme  
 Morewood, George B.  
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 Morgan, Miss Caroline L.  
 Morgan, George H.  
 Morgan, Miss Ursula J.  
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 Morris, Miss E. Van C.  
 Morris, Henry Lewis  
 Morris, John  
 Morris, Theo. Wilson  
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 Morrison, George A.  
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 Muller, Carl  
 Mulry, Thomas M.  
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 Murray, F. W., M.D.  
 Murray, J. Irvin, Jr.  
 Murtha, Thomas F.  
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 Myers, J. G.  
 Myers, Theodore W.  
  
 Nash, E. S.  
 Nash, Wm. A.  
 Nathan, Frederick  
 Nathan, Harmon H.  
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 Neuburger, David  
 Neustadt, S.  
 Newton, James S.  
 Nichols, George L.  
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 Nichols, Seth  
 Niles, Nathaniel  
  
 Ninick, Mrs. A. K.  
 Nisbet, William F.  
 Norris, Henry D.  
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 North, Thomas M.  
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 Nourse, C. J., Jr.  
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 Obermeyer, Jos.  
 O'Brien, J. M.  
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 Ochs, Adolph S.  
 Oettinger, P. J.  
 Ogden, Robert C.  
 O'Gorman, Mrs. D. A.  
 Olcott, E. E.  
 Olcott, F. P.  
 Olcott, Geo. M.  
 Oldham, J. L.  
 Olin, S. H.  
 Ollive, Thos. S.  
 Olyphant, R. M.  
 Olyphant, Robert  
 Opdycke, Mrs. Emerson  
 Oppenheimer, Dr. H. S.  
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 Ortgies, John  
 Orvis, Edwin W.  
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 Otis, A. Walker  
 Ottinger, Marx  
 Ottman, Louis  
 Oudin, Lucien  
 Overstreet, W. I.  
 Owens, Wm. W.  
  
 Paddock, Charles H.  
 Paddock, Eugene H.  
 Painter, H. McM.  
 Palmer, John S.  
 Palmer, N. F.  
  
 Palmer, S. S.  
 Parker, Forrest H.  
 Parrish, James C.  
 Parsell, Henry V. A.  
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 Penniman, George H.  
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 Pentz, Frank R.  
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 Peters, Edward McClure  
 Peters, Samuel T.  
 Peterson, Fred'k, M.D.  
 Peterson, Mrs. Wilson  
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 Phelps, Mrs. Anson G.  
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 Philbrick, E. C.  
 Phillips, Guy  
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 Pickhardt, Carl  
 Piel, Gottfried  
 Piel, Michael  
 Pierce, Robert Morris  
 Pinkney, Townsend  
 Pinkus, F. S.  
 Piva, Celestino  
 Planten, J. R.  
 Plaut, Albert

- Platzek, M. Warley  
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Pope, Sylvester  
Porter, Eugene H.  
Porter, H. H.  
Porter, Wm. H.  
Porter, William L.  
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Post, Sylvester  
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Potter, Frederick  
Potter, Mrs. Henry C.  
Potter, Miss Martha  
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Powell, Wilson M.  
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Quincy, C. F.  
Quintard, George W.
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Rawson, Edward S.  
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Rees, Norman I.  
Reilly, F. James
- Reimer, Otto E.  
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Remick, W. H.  
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Rhineland, Miss S.  
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Rockwell, James W. B.  
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Rogers, Allen Merrill  
Rogers, Edward L.  
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Rogers, Robert  
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Rowland, Thomas Fitch  
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- Sabin, Joseph F.  
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Schell, Miss Mary E.  
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Schley, Grant B.  
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Schramm, W.  
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- Scott, William  
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 Seligman, George W.  
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 Shaffer, Harvey L.  
 Shardlow, Joseph  
 Shattuck, A. R.  
 Shaw, Alex. D.  
 Shaw, Mrs. John C.  
 Sheehy, W. H.  
 Shepard, C. Sidney  
 Sherman, Charles A.  
 Shippy, Henry L.  
 Shirley, Rufus G.  
 Sidenberg, Gustavus  
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 Simpson, J. F.  
 Simpson, John Boulton  
 Simpson, John W.  
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 Sloan, Samuel  
 Smillie, Charles F.  
 Smith, Charles S.  
 Smith, Rev. Cornelius B.  
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 Smith, Elliott C.  
 Smith, Fleming  
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 Smith, J. Hopkins  
 Smith, Lenox  
 Smith, Nathaniel S.  
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 Smith, W. Wheeler  
 Snook, Samuel B.  
 Snow, Elbridge G.  
 Snow, Frederick A.  
 Soltmann, E. G.  
 Sondheimer, Julius  
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 Spadone, Amadee  
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 Spencer, Samuel  
 Speyer, Leo  
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 Stanton, J. R.  
 Starin, John H.  
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 Stephens, Benjamin  
 Stern, Benjamin  
 Sternberger, Maurice M.  
 Sterrett, C. N.  
 Stewart, John A.  
 Stewart, Lispernard  
 Stewart, William R.  
 Stiehl, Gustav H.  
 Stiger, E. M.  
 Stillman, J. A.  
 Stillman, T. E.  
 Stone, Edwin  
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 Stone, Mason A.  
 Stone, Sumner R.  
 Storm, Clarence  
 Story, Wm. Cummings  
 Stratford, Wm.  
 Strause, H. P.  
 Strauss, Frederick  
 Sturges, Henry C.  
 Sturgis, F. K.  
 Stursberg, Julius A.  
 Sulzberger, Cyrus L.  
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 Sykes, Martin L.  
 Tag, Albert  
 Taggart, Rush  
 Tailer, Edward N.  
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 Talmadge, Henry  
 Tanenbaum, Leon  
 Taylor, Mrs. Aug. C.  
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 Taylor, Henry E.  
 Taylor, Henry R.  
 Taylor, Stevenson  
 Taylor, W. A.  
 Terrell, H: L.  
 Tesla, Nikola  
 Thacher, Thomas  
 Thalmann, E.  
 Thaw, Dr. A. Blair  
 Thaw, Benjamin  
 Thayer, H. B.  
 Thebaud, Paul G.  
 Thomas, George C.  
 Thompson, David W.  
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     Mrs. J. Todhunter  
 Thompson, J. Walter  
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 Thompson, Mrs. S. C.  
 Thompson, W. Prall  
 Thorne, W. V. S.  
 Thorp, John R.  
 Tierney, Myles  
 Tiffany, Louis C.  
 Tiffany, Rev. C. C.  
 Tillotson, John B.  
 Tim, Bernard L.



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Titus, Erastus, Jr.	Wagner, Frederic C.	Whearty, Daniel C.
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Tonnélé, John L.	Wakeman, Stephen H.	Wheelock, G. G., M.D.
Tousey, William	Waldo, R. V.	White, Alain C.
Townsend, David C.	Wales, Edward H.	White, Miss Caroline
Townsend, J. Henry	Walker, William I.	White, Horace
Tracy, J. Evarts	Wall, Mrs. Francis H.	White, John Jay, Jr.
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Trevor, H. G.	Walter, W. I.	Whitehouse, J. Henry
Trowbridge, Frederick K.	Warburg, F. M.	Whiting, Giles
Tuckerman, Alfred	Warburg, Paul M.	Whitman, Clarence
Tuckerman, Miss Emily	Ward, Artemas	Whitney, Edward F.
Tuckerman, Paul	Ward, Henry C.	Whitney, Horace P.
Turner, Charles Y.	Ward, John Gilbert	Whitney, H. P.
Turnure, George E.	Ward, Miss Margaretta M.	Wicke, William
Tuttle, G. M., M. D.	Wardwell, Wm. T.	Wickes, Edward A.
Twombly, H. McK.	Warner, John De Witt	Wickham, Delos O.
	Warner, Lucien C.	Wilbur, M. T.
Ullmann, E. S.	Warren, John Hobart	Wilkins, H. A. J.
Ulmann, Rev. Aug.	Warren, Samuel D.	Willcox, Albert
Ulmann, Ludwig	Washburn, John H.	Willcox, David
Untermeyer, Isaac	Wassermann, E.	Williams, Blair S.
	Wastell, E. T.	Williams, John
Valentine, Mrs. Lawson	Watson, Miss Emily A.	Williams, Richard H.
Valentine, W. A., M.D.	Watson, Rev. J. Henry	Wills, Charles T.
Valk, David W.	Weatherbee, Mrs. E. H.	Wills, Wm.
Van Brunt, Jeremiah R.	Weber, Dr. Leonard	Wilson, George
Van Emburgh, D. B.	Weed, Geo. E.	Wilson, Geo. T.
Van Horne, John G.	Wehrhane, Chas.	Wilson, Henry R.
Van Ingen, Edward H.	Wehrum, Chas. C.	Wilson, James
Van Nest, Mrs. Alex. T.	Weidenfeld, Camille	Wilson, M. Orme
Van Norden, Warner	Weir, Col. John	Wing, John D.
Van Norden, Warner M.	Weiss, W. F.	Winthrop, Egerton L.
Van Winkle, Edgar B.	Wellington, A. H.	Winthrop, Miss Marie
Veit, Richard C.	Wells, Oliver J.	Wisner, Percy
Vermeule, John D.	Welsh, S. Charles	Witherbee, Frank S.
Villard, Mrs. Henry	Wendell, Gordon	Woerz, Ernest G. W.
Vøelker, John P.	Wenman, James F.	Woerz, F. W.
Vogel, Herman	Wentz, James M.	Wolf, I. S.
Vogelstein, L.	Westcott, Robert E.	Wolfe, Mrs. Anzonetta B
Von Zedlitz,	Westinghouse, George	Wolff, Emil
Mrs. Anna M.	Westermayr, R. J.	Wolff, Lewis S.
Voss, F. G.	Weston, Edward	Wood, Mrs. Cynthia A.
Vredenburg,	Westover, Myron F.	Wood, Henry R.
Hon. W. H.	Wetherill, Mrs. J. B.	Wood, Mrs. John D.

Wood, Orrin S.	Wurzbürger, A.	Zabriskie, George
Wood, Dr. Wm. B.		Zachry, J. G.
Wood, Wm. C.	Yeaman, George H.	Ziegler, Henry
Woodward, James T.	Young, Edward L.	Zinsser, Aug.
Woodward, Mrs. Wm. Jr.	Young, E. F. C.	Zinsser, Wm. H.
Wormser, Isidor	Young, Richard N.	Zoller, Charles
Wray, Miss Julia		Zollikoffer, O. F.
Wright, Mrs. J. Hood	Zabriskie, Andrew C.	

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In Memoriam.

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At the Regular Quarterly Meeting of the Board of Trustees of The American Museum of Natural History, held May 8, 1905, the following Minute was adopted:

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The Trustees of The American Museum of Natural History record with profound sorrow and regret the loss of their esteemed friend and associate,

### **ADRIAN ISELIN.**

Mr. Iselin aided in the preliminary efforts to establish the Museum; was one of its original incorporators in 1869, and served as a Trustee during a period of thirty-six years.

Mr. Iselin rendered efficient service for many years as a member of the Executive, Finance, and Auditing Committees, and was ever faithful in the discharge of his duties as a Trustee. In later years his failing health prevented his regular attendance at the meetings of the Board, greatly to the regret of his associate Trustees, but his interest in the growth and advancement of the Museum was unrelaxed, and was evinced by his generous contributions for the enlargement of its collections and for its maintenance. In his death the Museum suffers a great loss.

Mr. Iselin belonged to the class of public spirited citizens, who find in the promotion of the public welfare and in the full discharge of their duties to their fellow-men, ample reward for their conscientious efforts, and who leave after them a loving remembrance of good deeds unpretentiously performed.

At the Adjourned Meeting of the Board of Trustees of The American Museum of Natural History, held February 8, 1906, the following Minute was adopted:

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The Trustees desire to record their sense of loss in the death of

**JOHN H. WINSER**

for so many years the faithful Secretary and Assistant Treasurer of the Museum.

Mr. Winsor was appointed to his office in 1892, and for fourteen years served the Board of Trustees and the officers of the staff of the Museum with the greatest fidelity. He was invariably accurate in all his accounts and records, absolutely trustworthy in all matters of administration, devoted to the best interests of the Museum, giving its interests his very constant thought and attention, and extremely courteous and kindly in his manner. When acting under the direction of the President or other members of the Board he could always be depended upon to faithfully represent their wishes and instructions. During all the long years of his service he never failed to do his duty to the best of his ability. His genial and kindly presence will be greatly missed at the Museum.















