

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 DEPT. AND COM. OF PARKS,
CONSTITUTION, BY-LAWS, AND LIST OF MEMBERS.
FOR THE YEAR 1906.

PRINTED FOR THE MUSEUM.

THE
AMERICAN MUSEUM OF NATURAL HISTORY.



THE ANHINGA GROUP—Completed December, 1906.
(North American Ornithology Fund.)

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 1906.



NEW YORK:
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1907.



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

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BOARD OF TRUSTEES.

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ADRIAN ISELIN, JR.	

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CLASS OF 1909.

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ARTHUR CURTISS JAMES.

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

SCIENTIFIC STAFF

FOR 1907.

DIRECTOR.

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

DEPARTMENT OF PUBLIC INSTRUCTION.

Prof. ALBERT S. BICKMORE, B.S., Ph.D., LL.D., Curator Emeritus.
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DEPARTMENT OF GEOLOGY AND INVERTEBRATE PALÆONTOLOGY.

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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.

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W. D. MATTHEW, Ph.B., A.B., A.M., Ph.D., Associate Curator.
O. P. HAY, A.B., A.M., Ph.D., Associate Curator of Chelonian.

Prof. BASHFORD DEAN, A.B., A.M., Ph.D., Curator of Fossil Fishes.
LOUIS HUSSAKOF, B.S., Ph.D., Assistant.

DEPARTMENT OF ETHNOLOGY.

CLARK WISSLER, A.B., A.M., Ph.D., 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-EIGHTH ANNUAL REPORT.

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 1906.

FINANCES.—As described in an earlier number of the Report, the financial transactions of the Museum have been carried in three separate accounts, designated as the City Maintenance Account, the General Account and the Endowment and Investment Account. The details of the receipts and disbursements, thus classified, will be found in the Treasurer's Report, pages 35 to 41 inclusive. All books and vouchers of these accounts have been duly examined and certified by the Audit Company of New York. A few statements may help in making the details of this report clear.

Permanent Endowment.—The interest on the Permanent Endowment, \$47,880, constitutes the principal source of income of the General Account. The urgency for a substantial increase in the Permanent Endowment is evident when it is remembered that appropriations from the City cannot be used for the purchase of specimens, for carrying on field work or for publications.

City Maintenance Account.—The Museum has received from the City for maintenance \$170,000, an increase of \$10,000 over the appropriations for maintenance of the last four years. Although the City has thus generously increased its contribution, the sum has been insufficient to meet the increased cost of maintenance entailed by the opening of new exhibition halls and storage rooms and the care of collections recently received. A deficit of \$2,924.04 in the running expenses has been met by the Trustees.

General Account.—Upon this account, as stated above, the regular development of the collections of the Museum and the extension of its scientific work are largely dependent. Contributions to this fund are especially desired.

During the year 1906 the total income of this account has been \$74,771.17. The interest on the Permanent Endowment Fund amounted to \$47,880; Life Membership fees totaled \$1,400, and \$14,710 were received from Annual Members.

Endowment and Investment Account.—Very frequently friends of the Museum, through their own interest in some particular collection or subject, contribute funds for advancing such work. These sums are carried in the Endowment and Investment Account, which is composed almost wholly of *funds for special purposes*.

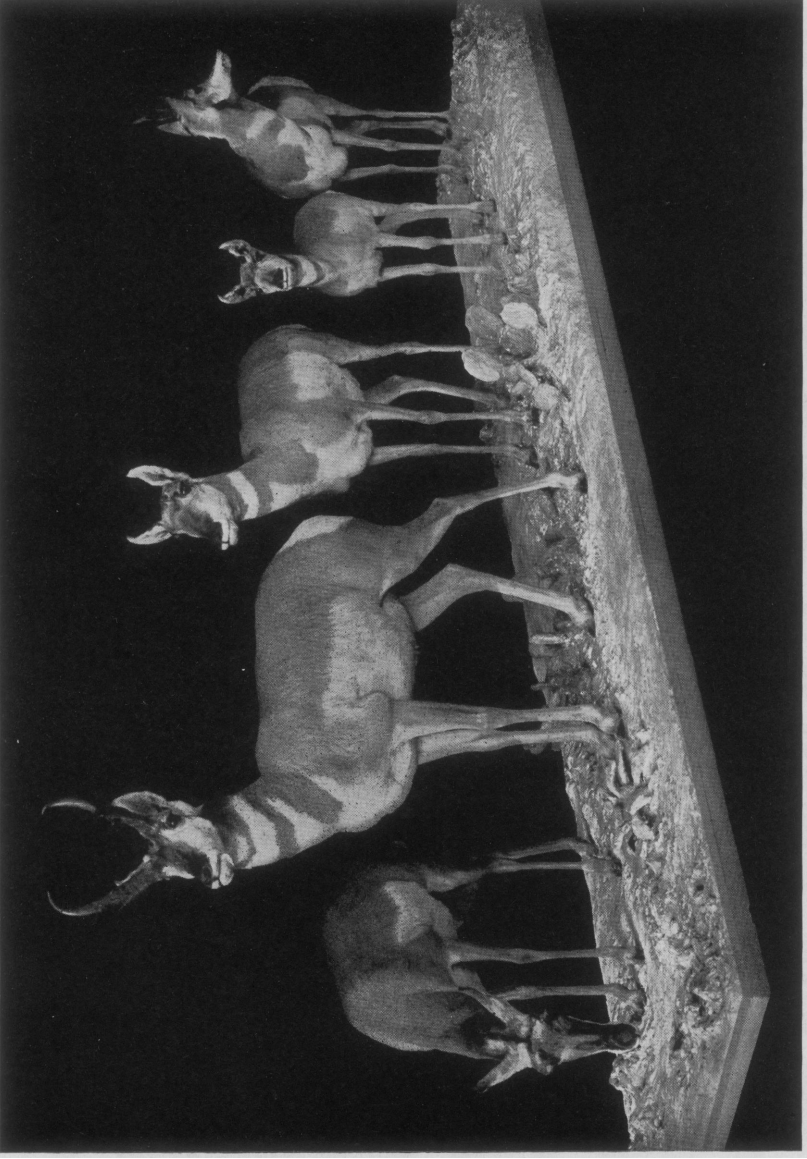
The contributions in this account have been very generous, the total receipts amounting to \$67,608.68, a sum more than three times as great as that received last year.

BUILDING OPERATIONS.—The contract for the construction of the south section of the West Façade, namely, the first construction on Columbus Avenue, was awarded to Messrs. Guidone & Galardi for \$325,000. Ground was broken for the new wing on May 25, 1906, and the work has progressed satisfactorily. Unless unforeseen obstacles arise, the building should be completed in contract time.

The installation of fire lines and sprinkler systems (made by Gerstle & Company under the appropriation of \$500,000 in 1905) has finally been completed, and the building is now supplied with adequate fire preventing and fire fighting appliances.

By special permission of the City authorities, the Museum has been allowed to pay its carpenters, masons, painters, etc., who have been engaged on new construction, out of the building appropriation. Under this arrangement a large number of new exhibition cases, storage drawers and rooms have been constructed.

In the north basement a large amount of rock has been excavated, thereby bringing the floor of the basement through-



PRONGHORN, OR AMERICAN ANTELOPE. (Completed April, 1906.)

out the building to an even grade. Six large fire-proof storage vaults have been finished and four are nearing completion. A number of similar fire-proof store-rooms have been begun in the attic. Thirty-five thousand square feet of wall space have been painted and 11,300 square feet of concrete laid.

MEMBERSHIP.—The total membership on January 1, 1907, was 2,046, divided into classes as follows: Patrons, 95; Fellows, 41; Life Members, 345; Annual Members, 1,565.

NEW MEMBERS.

The following persons were elected Patrons:

MRS. F. A. CONSTABLE,	ADOLPH LEWISOHN;
MRS. WILLIAM E. DODGE,	J. G. PHELPS STOKES,
SAMUEL V. HOFFMAN,	MRS. FRANK K. STURGIS.

The following persons were elected Fellows:

PROF. CHAS. F. CHANDLER,	CHARLES D. STICKNEY,
	MRS. FRANK K. STURGIS.

The following persons were elected Life Members:

BERNARD G. AMEND,	GEORGE G. HEYE,
FRANCIS R. APPLETON,	THEO. F. JACKSON,
MRS. ALBERT BIERSTADT,	DAVID LYDIG,
J. HULL BROWNING,	CHAS. M. SCHOTT, JR.,
AUGUSTUS L. CLARKSON,	JAMES A. SCRYMSER,
W. R. COE,	GARDINER SHERMAN,
MRS. ERNEST A. FAIRCHILD,	S. NEWTON SMITH,
JOHN CLINTON GRAY,	WILLIAM L. SWAN,
FRANKLIN U. GREGORY,	WILLIAM H. TAYLOR.

DECEASED MEMBERS.

Fellows.

PHILIP SCHUYLER.

Life Members.

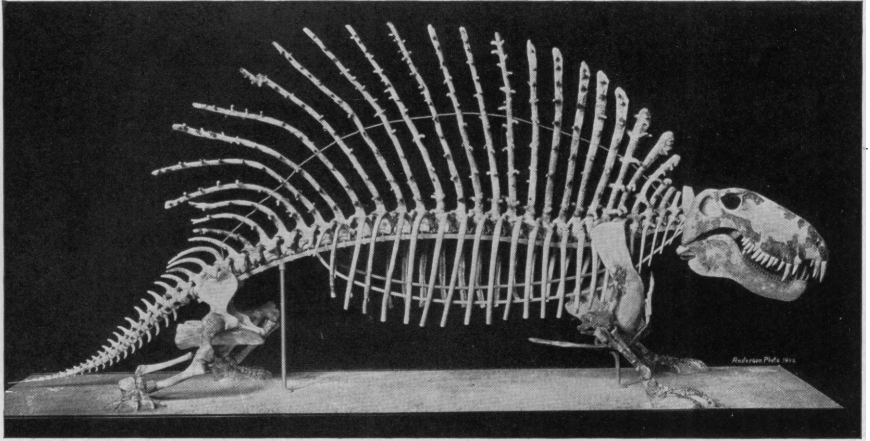
JAMES A. BAILEY,	JACOB MEYER,
HENRY I. BARBEY,	ROLAND G. MITCHELL,
JAMES B. M. GROSVENOR,	E. A. MOEN,
WILLIAM M. KINGSLAND,	EDWARD UHL,
JOHN R. LIVERMORE,	MISS FANNY ELLEN WRIGHT.

Annual Members.

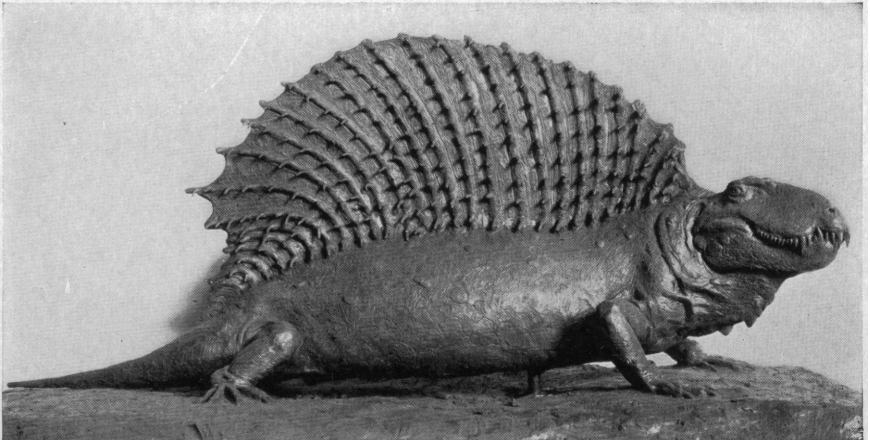
BRANDEGEE, DR. W. P.	LIVINGSTON, EDWARD
BRESLIN, JAMES H.	MALCOLM, W. L.
BROTHERHOOD, FRED	MAN, WILLIAM
BURDEN, JAMES A.	MCALAN, JOHN
CALHOUN, HENRY W.	MCDONALD, JOHN E.
CARDOZO, MICHAEL H.	NISBET, WILLIAM F.
COHEN, SAMUEL M.	OSBORN, WILLIAM F.
CROCKER, GEORGE AUGUST	PULSFORD, J. E.
DAVIES, FRANCIS H.	REMICK, ALBERT
DENNY, THOMAS	RHOADES, JOHN HARSEN
DRAKE, JAMES M.	ROOSEVELT, ROBERT B.
FLEITMANN, EWALD	SCHERMERHORN, J. E.
FOWLER, ANDERSON	SHAFFER, HARVEY L.
GARLAND, JAMES A.	SPENCER, SAMUEL
HAYNES, FREDERICK W.	STANTON, JOHN
HODGMAN, GEORGE F.	STILLMAN, T. E.
HOLDEN, E. B.	STONE, EDWIN
HUNTER, MRS. M. L.	TAYLOR, HENRY E.
JACKSON, CHARLES A.	WENTZ, JAMES M.
JONES, WALTER R. T.	WILLCOX, ALBERT

ADMINISTRATION.—Early in the year Mr. G. H. Sherwood was appointed Assistant Secretary and Assistant Treasurer, to fill the vacancy caused by the death of Mr. John H. Winsor, who for fourteen years had served the Museum as Secretary and Assistant Treasurer.

Mr. J. B. Foulke, as Administrative Assistant, has continued to have direct supervision of the engineer's, the carpenter's and the custodian's forces, and has introduced a number of changes which have improved the general admin-



THE SKELETON OF NAOSAURUS. (Cope Collection.)
 A great flesh-eating lizird, eight feet long, from the Permian beds of Texas.
 Mounted at the American Museum in 1906.



MODEL OF NAOSAURUS.
 Executed under the direction of Professor H. F. Osborn by Charles R. Knight.

istration of this work and have added materially to the comfort of visitors.

DEPARTMENT OF PUBLIC INSTRUCTION.—The prolonged illness of Professor Bickmore made it inadvisable for him to continue in active charge of this department, of which he had been the efficient head since its foundation, and while he still remained Curator Emeritus, Mr. Sherwood was made Curator. At the same time all the work connected with the public schools and the lecture system was placed under the direction of this department, as well as the general photographic work and the custody of all negatives, photographs, electros and slides belonging to the Museum.

Important relations continue to exist between the Museum and the school system of the City. So far as possible all requests for nature collections have been granted, although this has necessitated the purchase of several hundred new specimens and the construction of new cabinets. The records show that during the year 300 schools have been supplied with collections which were studied by more than 800,000 school children.

Various courses of lectures were arranged and given as stated later in this report. One of these was the "Children's Course," which was attended by 17,187 pupils.

Besides a large number of photographs for illustrating the *Museum Journal, Bulletin* and other publications, the photographic work has included the making of many negatives for use in the preparation of exhibits and for future reference.

Writers, artists and illustrators have frequently consulted our photograph files, and many have been supplied with prints for publication.

DEPARTMENT OF GEOLOGY AND INVERTEBRATE PALÆONTOLOGY.—The cataloguing of the collections of American fossils has been completed, showing a total of 10,416 species represented. Similar work is now being done on the European fossils. The collection of building and ornamental stones has been temporarily installed in the Hall of North American Woods.

The Curator has published in the *Bulletin* a paper entitled "Notes on Some Jurassic Fossils from Franz Josef Land," and, jointly with the Associate Curator, a paper "Remarks on and Descriptions of Jurassic Fossils of the Black Hills."

Dr. Hovey has continued to attend to the publication of the *American Museum Journal*, with the exception of the October issue which was edited by Mr. Chapman. He has also assisted in the Members' course of lectures, in the children's course and in the holiday lectures.

During the summer Dr. Hovey was granted leave of absence to enable him to attend the Tenth International Geological Congress held in Mexico, at which he represented the Museum. On the expeditions in connection with the Congress a valuable series of rocks, ores and fossils was secured for the Museum, together with about 450 negatives of characteristic scenery.

DEPARTMENT OF MAMMALOGY AND ORNITHOLOGY.—Several noteworthy gifts have been received in this department. Among the first should be mentioned the generous contributions of Mr. George S. Bowdoin for the development of the Museum's collection of Cetacea (whales, dolphins, porpoises, etc.). This is a most important work, as these animals are decreasing in numbers so rapidly that their extinction is not far distant. Mr. Bowdoin's gift has enabled the Museum to purchase a complete skeleton of a Fin-back Whale more than seventy feet in length, and five skeletons of smaller whales, including the very rare species *Mesoplodon layardi*. A life-size model of a Sulphur-bottom Whale, measuring seventy-six feet in length, is nearing completion.

The widespread interest taken in the bird groups, mentioned in earlier reports, and their evident educational value induced the original subscribers to the North American Ornithology Fund and some of their friends to make additional contributions for carrying on this important work. Under this gift, Mr. Chapman went into the field in May and spent three months in collecting material for new groups and in making studies of the bird life of the regions visited. The Prairie Hen Group, Arizona Desert Group and Golden Eagle

Group (all of which have been completed), not to mention other groups in preparation, show some of the results of the expedition. The Water Turkey Group and the rearrangement of the Brown Pelican Group have been finished. In the preparation of these exhibits several new features of installation have been introduced with gratifying results. Twenty-nine birds have been mounted to show the different types of bills and their adaptation to methods of feeding.

The expedition in Mexico came to an end in May through the untimely death of Mr. J. H. Batty.

The list of accessions includes a collection of mammals from Hainan, China, containing thirteen species new to science. Again we are indebted to the New York Zoölogical Society and to the Central Park Menagerie for many courtesies and for the donation of several mammals and birds in the flesh.

The total number of accessions for the year was 638 mammals and 915 birds.

While the Curator has supervised the routine work of the department, he has continued his scientific researches. His duties as editor of the *Bulletin* are exacting, nevertheless he has published two papers and has several others in preparation.

DEPARTMENT OF VERTEBRATE PALÆONTOLOGY.—The total collection of fossil vertebrates numbers between 17,000 and 18,000 catalogued specimens, all of which have been identified, labeled and fully recorded, besides about a thousand specimens not yet catalogued.

Among the most striking specimens placed on exhibition may be mentioned the Columbian Mammoth; the *Glyptodon*, a large mammal related to the armadillo, but with a solid shell like a tortoise; the *Tyrannosaurus*, a huge carnivorous dinosaur, almost as large as the *Brontosaurus*, and another extinct reptile, the *Naosaurus*, with a remarkable bony dorsal fin.

The department has been indebted repeatedly to Mr. J. Pierpont Morgan for many generous gifts, but his latest donation, namely, the Warren Mastodon Collection, eclipses all others. The principal specimen in this collection is that of the Warren Mastodon skeleton. It is one of the largest in

size, complete except for the tusks and a few of the phalanges, and is in a remarkably perfect state of preservation. Other valuable specimens in the Warren Collection are a mastodon skull and jaws, a skeleton of *Zeuglodon*, a series of dinosaur footprints and a series of casts of European fossil mammals.

Another noteworthy gift was the skeleton of the race-horse "Sysonby," presented to the Museum by Mr. James R. Keene.

During the summer three parties were sent into the field under the direction of Professor Osborn. One, immediately in charge of Mr. Barnum Brown, continued exploration in the Hell Creek region of Montana and yielded several important fossil reptiles, including a skeleton and several fragments of the "Duck-bill" Dinosaur, *Claosaurus*. A second expedition, in charge of Mr. Walter Granger, worked in the Bridger country of southwestern Wyoming, where a valuable collection (197 specimens in all) of the remains of rare mammals from the Eocene formations was obtained. The third party was in charge of Mr. Albert Thomson, and explored, with good results, the fossil beds in the Pine Ridge Reservation of South Dakota. Among the finds were skulls or parts of skeletons of fossil carnivores, rodents, peccaries, camels, rhinoceroses and horses, and a complete skeleton and about fifty skulls of primitive ruminants, nearly all of which are new to science.

Several important scientific papers, mentioned in another part of this report, have been published by the Curator and the members of his staff, and others are nearly ready for publication.

Under the skilful direction of Dr. Dean excellent progress has been made in the arrangement, exhibition and development of our collections of Fossil Fishes, which, at the present time, number 7,890 specimens.

Through the generous gift of Mr. Cleveland H. Dodge it has been possible to purchase several valuable specimens and to take up important field work.

Dr. Hussakof and Mr. Charles Mead visited the fossil beds along Scaumenac Bay, Quebec, and secured about 200 specimens of fishes.

DEPARTMENT OF ETHNOLOGY.—The rearrangement of the Indian collections in the West Hall was undertaken by Dr. Wissler, the Acting Curator, early in the year. The general scheme of installation has been to show in a simple and effective way the various phases of culture of the Indians of the Plains. Transportation, warfare, art, religion, amusements, industries, are some of the topics treated. The installation has received most favorable comment, not alone from the layman, but from the visiting anthropologist.

A similar method has been followed with gratifying results in the reinstallation of the Eskimo collection in the North Wing. The attractiveness of this hall will be greatly increased when the mural paintings, provided through the generosity of Mr. Arthur Curtiss James and executed by Mr. F. W. Stokes, have been completed.

The care of the study collections which cannot be placed on exhibition is no small task. With the storage system recently devised it has been possible to catalogue and arrange this material so that it is readily accessible to students.

In spite of the heavy draft that the routine of the department has made on the Acting Curator's time, he has continued his researches and has directed the scientific work of the members of his staff. He has gathered data for papers on "The Origin and Distribution of the Blackfoot Indians," "The Secret Societies of the Dakota" and "The Protective Designs of the Dakota."

Mr. Harlan I. Smith, besides assisting in the regular work of the department, has completed his memoir on the "Archæology of Puget Sound," and has in preparation an exhibit representing the culture of the Indians of the North Pacific coast.

Mr. Mead and Mr. Pepper have made progress in their respective departments.

Dr. A. E. Jenks, who was formerly Chief of the Bureau for the Ethnological Survey of the Philippines and Superintendent of the Philippine Exhibit at the St. Louis Exposition,

was engaged to identify and catalogue our extensive ethnological collections from the Philippines, and the work has been most satisfactorily done.

Among the field workers, Dr. J. R. Walker has made considerable progress with the physical measurements among the Dakota at Pine Ridge. Mr. D. C. Duvall, among the Blackfoot, has completed his field notes upon games and amusements. Mr. R. H. Lowie has visited the Shoshone Indians on the Lemhi Indian Reservation in Idaho for the purpose of studying their ethnology. Dr. C. C. Vinton is collecting material in Korea, and Mr. M. R. Harrington has been commissioned to make a collection from the Iroquois in Canada.

The Acting Curator has also assumed the editorship of the anthropological papers published by the Museum.

JESUP NORTH PACIFIC EXPEDITION PUBLICATIONS.—In June Professor Franz Boas retired as Curator of the Department of Anthropology, and has since acted as the editor of the Jesup North Pacific Expedition publications on a fund established by Mr. Jesup. During the year the following parts have been completed :

Vol. II, Part V. "The Lillooet Indians." By James Teit.

Vol. X, Part I. "Kwakiutl Texts—Second Series." By Franz Boas and George Hunt.

DEPARTMENT OF ENTOMOLOGY.—A considerable portion of the Curator's time has been occupied in identifying, labeling and cataloguing the collections received. In connection with this work Mr. Beutenmüller has visited the United States National Museum at Washington, the American Entomological Society at Philadelphia, and the New York State Museum at Albany for purposes of study. In all, 9,300 specimens have been mounted.

Among the important gifts should be mentioned a collection of 2,000 butterflies, from Mr. William Schaus, and a collection of termites and nests from Panama, presented by Mrs. A. Beaumont. These were collected by the late James Beaumont.



ESKIMO WOMAN FISHING THROUGH THE ICE.
From group in Hall No. 108 (Ground Floor, North Wing.)

The generosity of Mr. Samuel V. Hoffman enabled the Curator to continue his entomological survey of the Black Mountains of North Carolina. Although the unusual rain and fog handicapped the party, about 8,000 specimens were collected, including a large number of very interesting species, many of which are new to science.

The Curator has made considerable progress on a monograph on the "*Genus Catocala*," and has four shorter papers in preparation.

The following experts have aided in identifying specimens or in preparing papers on our collections, and we gratefully acknowledge their assistance :

Mr. W. D. Kearfott.....Montclair, N. J.
Mr. James A. G. Rehn.....Philadelphia, Pa.
Prof. J. B. Smith.....New Brunswick, N. J.
Prof. T. D. A. Cockerell.....Boulder, Colo.
Prof. Herbert Osborn.....Columbus, Ohio
Mr. E. A. Back.....Amherst, Mass.

DEPARTMENT OF MINERALOGY AND CONCHOLOGY.—The event of the year was the receipt of the famous Willamette meteorite, presented by Mrs. William E. Dodge. This mass, composed almost entirely of pure iron and weighing more than fifteen tons, is the largest meteorite which has been found in the United States, and is one of the three largest known. The great hollows and deep pits which characterize its surface combine with its enormous size to make it the most remarkable and interesting meteorite that has been discovered. The specimen has been installed in the foyer where it is a constant source of attraction to the many visitors to the Museum. With this notable acquisition the Museum possesses one of the finest collections of meteorites known to science.

By purchase the Museum has acquired the Selma meteorite, the largest *entire* stone meteorite known.

The development of the mineral collection has been continued by the judicious selection of rare and showy specimens, which has been made possible by the income from the Bruce

Fund. An unusually fine boulder, bearing opal, has been received through the generosity of Mr. George S. Bowdoin.

Progress has been made in cataloguing the minerals and in revising the shell collections.

During the summer the Curator visited Iceland and secured minerals, insects, mollusks and other material for the Museum.

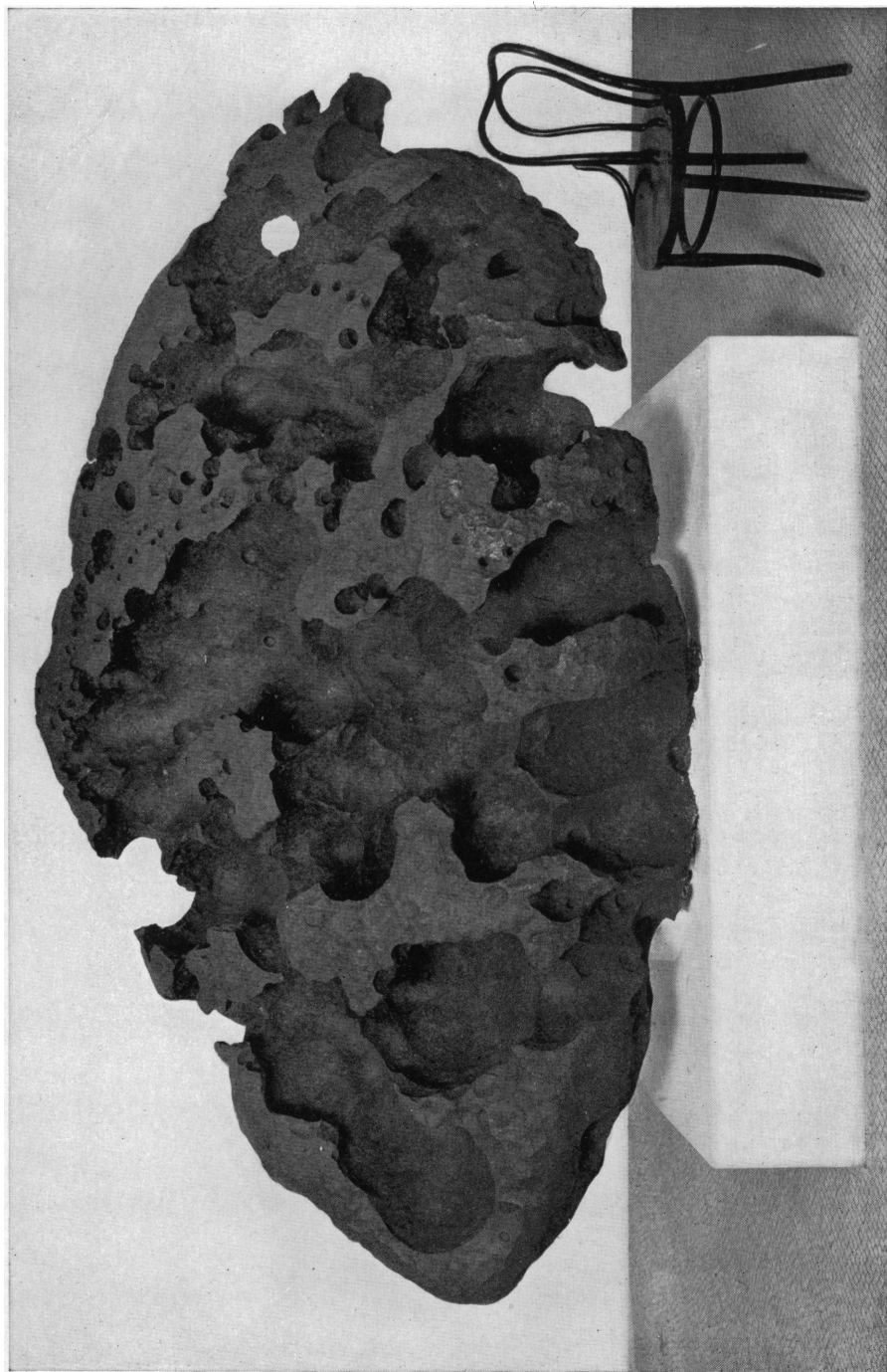
DEPARTMENT OF INVERTEBRATE ZOÖLOGY.—The opening of the East Mammal Hall and the North Corridor has made it possible to remove the reptile and fish collections from the Synoptic Hall and to give them space for growth and consistent development. Mr. Miner has made progress in an attractive installation of the fishes, and the reptile collection has been improved by the addition of fine groups of the Painted Turtle and Florida Rattlesnake. A group of Flying Lizards is now being prepared.

Dr. B. E. Dahlgren, who early in the year was appointed an Assistant Curator, has spent most of his time working on a series of models representing the structure of the malarial mosquito and the stages of the malarial plasmodia in the human blood corpuscle. Dr. L. W. Williams has made a fine large model of the Common Squid.

The attractiveness and educational value of the Jesup Collection of North American Woods, at present in the custody of this department, have been increased by placing in the cases with some of the specimens artificial sprays showing the foliage, flower and fruit of the tree in natural size and color. The entire Magnolia Family has been reinstalled with such good results that a similar treatment will be applied to the remainder of the Wood Collection.

In all, twenty-five papers, based on the material in the department, have been published. Of these, sixteen were by the Curator, one by Mr. Miner, four by Professor T. D. A. Cockerell, and one each by Messrs. James A. G. Rehn, J. F. McClendon, Nathan Banks and Charles T. Brues.

Early in the year Dr. N. L. Britton, Director of the New York Botanical Garden, organized an expedition to Culebra



THE WILLAMETTE METEORITE. (Gift of Mrs. William E. Dodge.)
Length 10 feet, height 6 feet 6 inches, weight 15.6 tons. Rear side, showing deep pits formed by oxidation.

and Porto Rico, and very kindly invited Dr. Wheeler to accompany him for the purpose of studying the terrestrial invertebrate fauna of the islands. Although only four weeks were devoted to the work, Dr. Wheeler secured an extensive collection of the ants of Culebra and Porto Rico, regions from which no ants have been described heretofore. The collection contains some 5,000 specimens, representing about 60 species, subspecies and varieties.

Dr. Alexander G. Ruthven, accompanied by Mr. Gneomar von Krockow, proceeded to southern New Mexico and Arizona to study the reptiles of these regions. Valuable field notes and about 1,000 specimens were secured, besides a small collection of invertebrates, consisting principally of ants, mollusks and parasitic worms. The results of this expedition are now being worked up in several papers, the mollusks by Mr. Bryant Walker, the vertebrates by Dr. Ruthven.

Upon invitation of Professor T. D. A. Cockerell of the University of Colorado, who had organized an expedition for this purpose, Dr. Wheeler spent June and July in Florissant, Colo., exploring the Miocene fossil beds of the region. The summer's work was successful beyond expectation. Upwards of 2,000 specimens of fossil plants and insects were secured. With few exceptions the Florissant insects hitherto described, although all belonging to extinct species, are nevertheless very similar to those found in subtropical America at the present time. This is an extremely interesting and significant fact, since it emphasizes the enormous age and singular morphological stability and persistence of the insect type.

DEPARTMENT OF BOOKS AND PUBLICATIONS.—It is a recognized fact that a thoroughly equipped library is a necessary adjunct to an institution devoted to scientific research. With this need in view the Curator has endeavored to secure not only recent publications required in a science library, but earlier works which would complete the broken series we already possess. While progress has been made in filling unfortunate gaps, much remains to be done, and additional funds are urgently needed for this purpose.

The department has received during the year 2,652 volumes and 1,148 pamphlets, making the working library at the close of 1906 number about 34,666 books and 17,732 pamphlets. Among the important accessions of the year should be mentioned two superbly illustrated volumes on "Jade," by the late Heber R. Bishop, presented to the Museum by the Executors of his Estate, and the books, pamphlets and separates that have been received from Dr. Allen, Dr. Wheeler and Dr. Bumpus, whose private libraries had already been given to the Museum. All gifts and exchanges have been duly acknowledged.

The reference catalogue has been increased by the intercalation of 15,967 cards received from the Concilium Bibliographicum, and a like number has been distributed to the series on deposit. A great many visiting scientists have made use of the library.

The Curator is the official custodian of all works of art, and in his care have been placed the busts of the pioneers of American science, which were given to the Museum by your President. These busts occupy niches in the foyer of the Museum, and were unveiled with impressive ceremonies during "Convocation Week." A full report of these ceremonies is now being printed and will soon be issued. The scientists thus represented are:

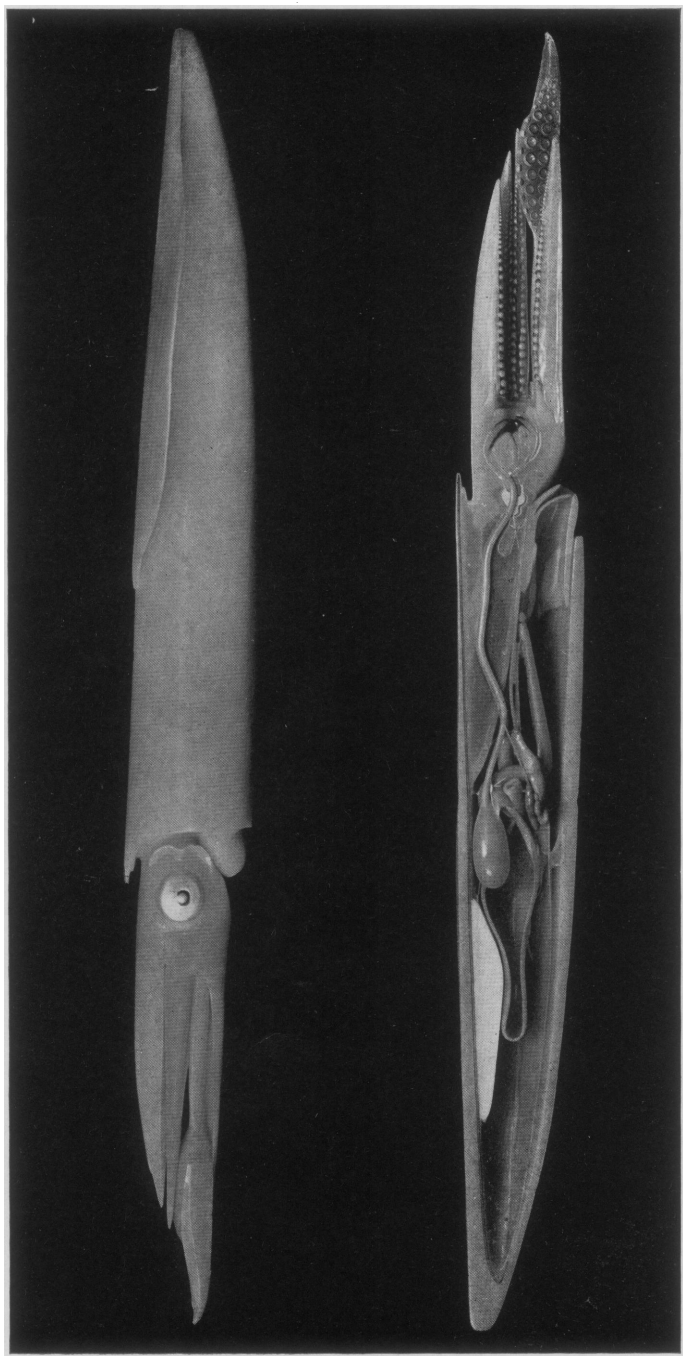
Benjamin Franklin,	Jean Louis Rodolphe Agassiz,
Alexander von Humboldt,	James Dwight Dana,
John James Audubon,	Spencer Fullerton Baird,
John Torrey,	Joseph Leidy,
Joseph Henry,	Edward Drinker Cope.

Following is a list of the scientific publications of the Museum issued in 1906, as received by the Curator for distribution and exchange:

DEPARTMENT OF GEOLOGY AND INVERTEBRATE PALAEONTOLOGY.

Bulletin, Volume XXII.

R. P. Whitfield. "Notes on Some Jurassic Fossils from Franz Josef Land, brought by a Member of the Ziegler Exploring Expedition." (Pages 131-134, plates xviii, xix.)



MODEL OF THE COMMON SQUID.
Two views, showing external features and internal anatomy.

R. P. Whitfield and E. O. Hovey. "Remarks on and Descriptions of Jurassic Fossils of the Black Hills." (Pages 389-402, plates xlii-lxii.)

DEPARTMENT OF MAMMALOGY AND ORNITHOLOGY.

Bulletin, Volume XXII.

J. A. Allen. "Mammals from the States of Sinaloa and Jalisco, Mexico, collected by J. H. Batty during 1904 and 1905." (Pages 191-262, plates xx-xxxiii, with 3 text figures.)

J. A. Allen. "Mammals from the Island of Hainan, China." (Pages 463-490, plate lxix.)

W. de W. Miller. "List of Birds Collected in Northwestern Durango, Mexico, by J. H. Batty, during 1903." (Pages 161-184.)

DEPARTMENT OF VERTEBRATE PALÆONTOLOGY.

Memoir, Volume IX.

Barnum Brown. "The Osteology of *Champsosaurus* Cope." (Pages 1-26, plates i-v.)

Louis Hussakof. "Studies on the Arthrodira." (Pages 103-154, plates xii and xiii, with 25 text figures.)

J. H. McGregor. "The Phytosauria, with Especial Reference to *Mysotriosuchus* and *Rhytidodon*." (Pages 27-101, plates vi-xi, with 26 text figures.)

Bulletin, Volume XXII.

Barnum Brown. "New Notes on the Osteology of Triceratops." (Pages 297-300, plate xl, with 2 text figures.)

E. C. Case. "On the Skull of *Edaphosaurus pogonias* Cope." (Pages 19-26, plate vii.)

J. W. Gidley. "A New Genus of Horse from the Mascall Beds, with Notes on a Small Collection of Equine Teeth in the University of California." (Pages 385-388, with 1 text figure.)

O. P. Hay. "Descriptions of Two New Genera (*Echmatemys* and *Xenochelys*) and Two New Species (*Xenochelys formosa* and *Terrapene putnami*) of Fossil Turtles." (Pages 27-32, with 7 text figures.)

O. P. Hay. "On Two Interesting Genera of Eocene Turtles, *Chisternon* Leidy and *Anosteira* Leidy." (Pages 155-160, with 3 text figures.)

W. D. Matthew. "Hypothetical Outlines of the Continents in Tertiary Times." (Pages 353-384, with 7 text figures.)

W. D. Matthew and J. W. Gidley. "New or Little Known Mammals from the Miocene of South Dakota." (Pages 135-154, with 20 text figures.)

H. F. Osborn. "Milk Dentition of the Hyracoid Saghatherium from the Upper Eocene of Egypt." (Pages 263-266, with 3 text figures.)

H. F. Osborn. "*Tyrannosaurus*, Upper Cretaceous Carnivorous Dinosaur. (Second Communication.)" (Pages 281-296, plate xxxix.)

J. W. Sinclair. "Volcanic Ash in the Bridger Beds of Wyoming." (Pages 273-280, plates xxxv-xxxviii.)

DEPARTMENT OF ETHNOLOGY.

Memoirs of the Jesup North Pacific Expedition.

Franz Boas and George Hunt. "Kwakiutl Texts—Second Series." Volume X, Part I. (Pages 1–269.)

James Teit. "The Lillooet Indians." Volume II, Part V. (Pages 193–300, plates viii and ix, with text figures 61–100.)

DEPARTMENT OF INVERTEBRATE ZOOLOGY.

Bulletin, Volume XXII.

Nathan Banks. "Arachnida of the Bahamas." (Pages 185–190, with 4 text figures.)

C. T. Brues. "Fossil Parasitic and Phytophagous Hymenoptera from Florissant, Colorado." (Pages 491–498.)

T. D. A. Cockerell. "The Bees of Florissant, Colorado." (Pages 419–456.)

T. D. A. Cockerell. "A Fossil Cicada from Florissant, Colorado." (Pages 457 and 458, with 1 text figure.)

T. D. A. Cockerell. "The Fossil Mollusca of Florissant, Colorado." (Pages 459–462.)

T. D. A. Cockerell. "Fossil Saw-Flies from Florissant, Colorado." (Pages 499–501.)

J. F. McClendon. "The Myzostomes of the 'Albatross' Expedition to Japan." (Pages 119–130, plates xv–xvii.)

J. A. G. Rehn. "The Orthoptera of the Bahamas." (Pages 107–118, with 2 text figures.)

W. M. Wheeler. "The Habits of the Tent-Building Ant (*Cremastogaster lineolata* Say). (Pages 1–18, plates i–vi.)

W. M. Wheeler. "On the Founding of Colonies by Queen Ants, with Special Reference to the Parasitic and Slave-Making Species." (Pages 33–106, plates viii–xiv.)

W. M. Wheeler. "A New Wingless Fly (*Puliciphora borinquensis*) from Porto Rico." (Pages 267–272, plate xxxiv.)

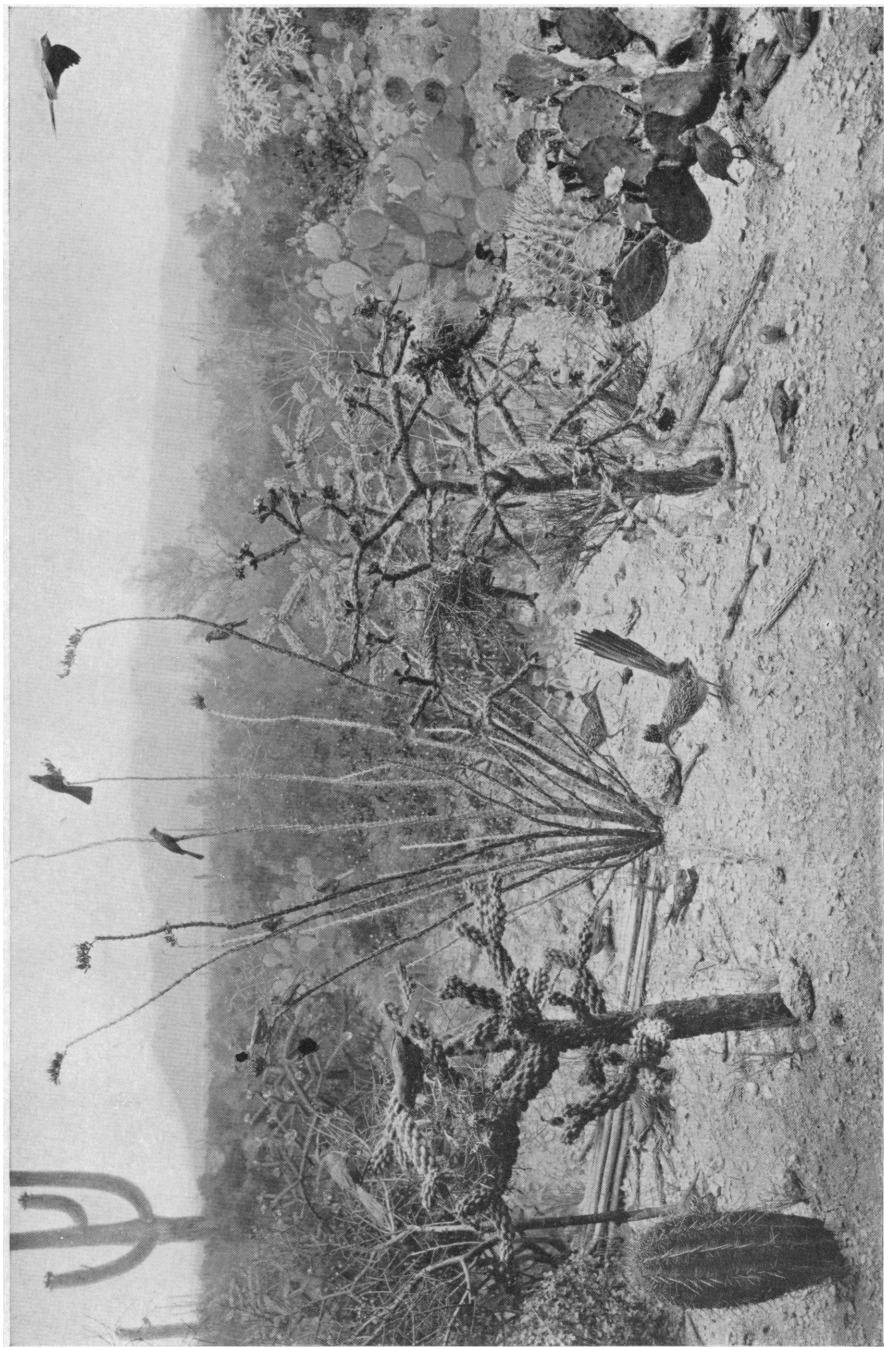
W. M. Wheeler. "The Ants of Japan." (Pages 301–328, plate xli, with 2 text figures.)

W. M. Wheeler. "The Ants of the Grand Cañon." (Pages 329–346.)

W. M. Wheeler. "The Ants of the Bermudas." (Pages 347–352, with 1 text figure.)

W. M. Wheeler. "An Ethological Study of Certain Maladjustments in the Relations of Ants to Plants." (Pages 403–418, plates lxiii–lxviii, with 1 text figure.)

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



CACTUS-DESERT BIRD LIFE OF ARIZONA—Completed December, 1906.
(North American Ornithology Fund.)

F. M. Chapman. "The Birds of the Vicinity of New York City." (Leaflet No. 22, April and July, pages 1-96, with 44 text figures.)

B. E. Dahlgren. "The Development of a Mollusk." (Leaflet No. 21, January, pages 1-29, with 30 text figures.)

R. W. Miner. "A Guide to the Sponge Alcove." (Leaflet No. 23, October, pages 1-36, with 32 text figures.)

DEPARTMENT OF PHYSIOLOGY.—As usual, this department has taken charge of all animals "in the flesh" which have been received at the Museum during the year. These number 267 specimens. The "digestion method" of preparing osteological material, which was used with such good success in 1905, was continued, with the result that 103 complete skeletons, 34 skulls and 3 shoulder-girdles have been cleaned and turned over to the various departments.

Progress has been made in the preparation of anatomical parts and in the construction of models and mechanical devices which will assist in demonstrating the function of certain organs of the body. Dr. Muenchehofe has prepared successfully a working model of the heart to show the action of the aortic and auriculoventricular valves.

During the summer Dr. Muenchehofe spent several weeks visiting the museums of London, Berlin, Dresden, Leipsic, Prague, Innsbrück and Naples, from which many ideas have been obtained. We gratefully acknowledge the many courtesies extended to the Museum by the Director of the New York Zoölogical Society, the Director of the New York Aquarium, and the Director of the Central Park Menagerie.

DEPARTMENT OF MAPS AND CHARTS.—The maps of the Western Hemisphere have been classified, and 2,344 have been arranged on the filing frames.

The summary of the acquisitions for the year is as follows:

By Donation.....	Atlases 46.....	Maps 169
" Exchange	" 99.....	" 31
" Purchase.....	" 0.....	" 679
	<hr/>	<hr/>
	145	879

ATTENDANCE.—The total number of visitors for the year was 476,133. While this does not quite equal the record fig-

ures of 1905, it does exceed the attendance of any other year. This decrease may be explained in part by the omission of the lectures for school children during the fall. As a result the attendance of school children was only 24,000, as against 46,000 of the preceding year. About 45,000 people were present at the public lectures.

Repeatedly our attention has been called to the intelligent character of those visiting the Museum. The average visitor is seeking not merely amusement, but is ready and anxious to gain as much information as possible.

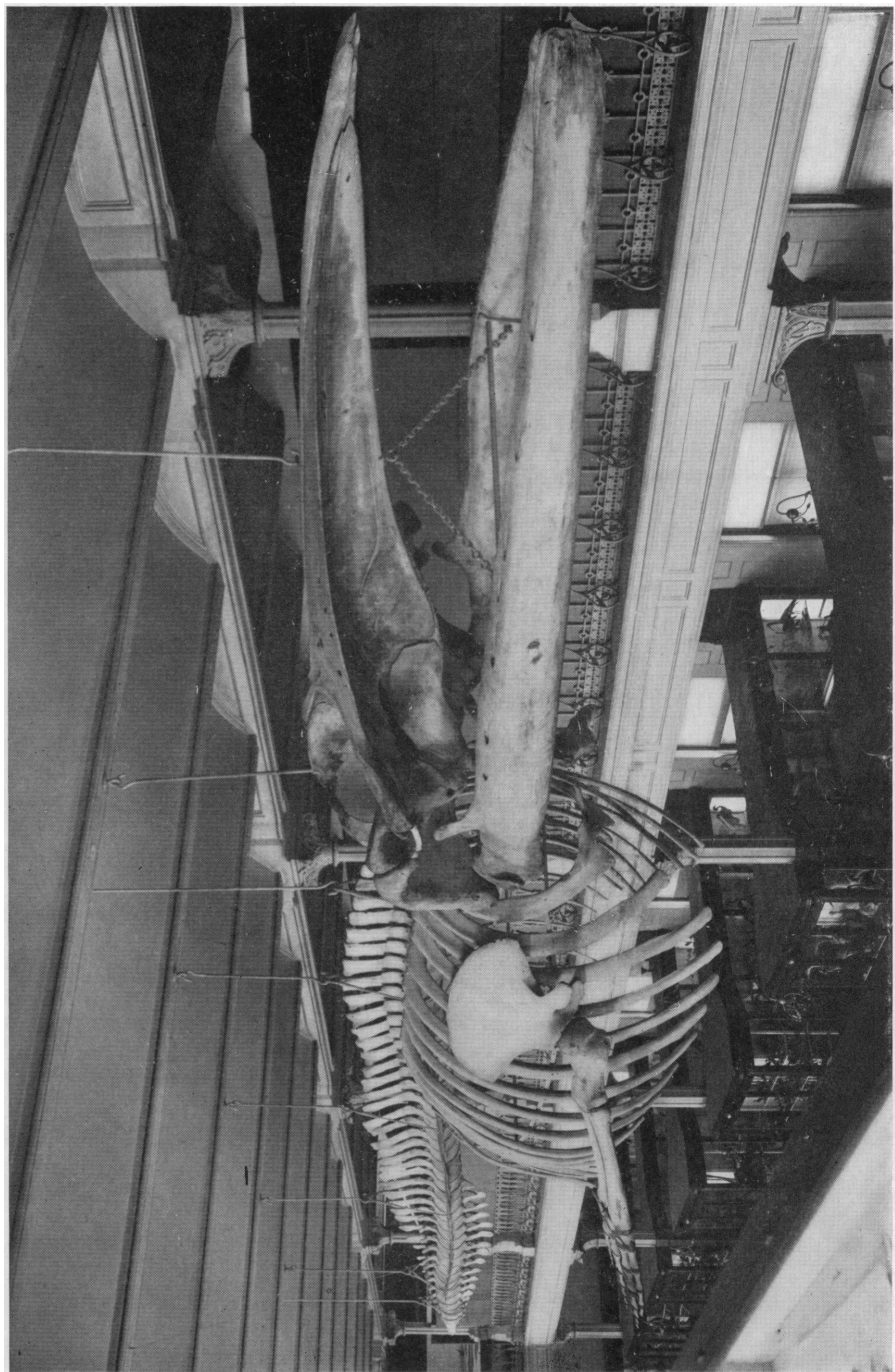
ASSOCIATED SOCIETIES AND ORGANIZATIONS.—Early in the spring a reception was tendered to the Governor-General of Canada and his wife, Earl and Countess Grey, which brought to the Museum a notable gathering. After the formal reception, which was held in the Japanese Reception Room, the guests visited the exhibition halls.

On account of its accessibility and equipment, the Museum is regarded as a desirable meeting place for various scientific societies of the City and vicinity. The New York Academy of Sciences and Affiliated Societies hold their meetings here, and our lecture rooms are in great demand for use by visiting classes from public and private schools.

In May, representative museum men from all over the United States and Canada met at the Museum for the purpose of organizing the American Association of Museums, the object of which is "to promote the welfare of museums, to increase and diffuse knowledge of all matters relating to them, and to encourage helpful relations among museums and those interested in them."

The New York Academy arranged for an exhibition during "Convocation Week" of December, to show the recent progress that had been made in science. The Museum set aside the Siberian Hall and part of the west Indian Hall for the use of the Academy during the exhibition.

The Geological Society of America and the American Palæontological Society were also entertained at the Museum during "Convocation Week."



THE ATLANTIC FIN-BACK WHALE.
Skeleton, 76 feet long—record size. Gift of George S. Bowdoin, Esq.

The following is a list of the societies and classes which have held meetings at the Museum during the year:

- American Association for the Advancement of Science.
- American Ethnological Society.
- American Psychological Association, New York Section.
- American Society of Vertebrate Palæontologists.
- Audubon Society of the State of New York.
- Classes from Columbia University and various private schools.
- Geological Society of America.
- Germanistic Society of America.
- Linnæan Society of New York.
- National Association of Audubon Societies for the Protection of Wild Birds and Animals.
- Natural Science Committee of the Associate Alumnae of the Normal College, New York City.
- New York Academy of Sciences.
- New York Entomological Society.
- New York Mineralogical Club.
- Torrey Botanical Club.

TRANSPORTATION. — The friendly consideration which various transportation companies have shown the Museum is most gratifying, and their assistance in granting our field parties free transportation and in giving our freight free haul has contributed in no small measure to the success of the expeditions. We are pleased to acknowledge our indebtedness to the transportation companies.

The list is as follows:

- Atchison, Topeka & Santa Fe Railway.
- Chicago, Burlington & Quincy Railway.
- Chicago, Milwaukee & St. Paul Railway.
- Chicago & Northwestern Railway.
- Cunard Steamship Company.
- Denver & Rio Grande Railway.
- Erie Railroad.
- Great Northern Railway.
- Missouri Pacific Railway.
- Northern Pacific Railway.
- Oregon Short Line 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, (2) a public course given on holidays, (3) a spring course to pupils of the public schools, (4) a course in conjunction with the New York Academy of Sciences, (5) a course in conjunction with the Linnæan Society of New York, and (6) a course under the auspices of the Board of Education of the City of New York, in coöperation with the Museum.

Through the courtesy of the Members of the Peary Arctic Club, arrangements were made with Commander Robert E. Peary to give at the Museum, on December 8, the first public account of his remarkable exploring expedition and of the voyage of the "Roosevelt." The interest of the public in the work of this intrepid explorer was evidenced by the unusual number who came to hear him. Fully 30,000 people sought admission.

LECTURES TO MEMBERS.

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

February	15.—The Five American Nations: Conquerors of the Snow, Forest, Mist, Desert and Plain.....	Harlan I. Smith
March	1.—Impressions of English Bird Life.....	Frank M. Chapman
"	8.—Travels in Patagonia.....	Barnum Brown
"	15.—Meteors and Comets—Their Mutual Relations,	Prof. Robert W. Prentiss
"	22.—The Planets—Their Telescopic Appearance and Physical Condition.....	Prof. Robert W. Prentiss
November	8.—A Sketch of California Bird Life.....	Frank M. Chapman
"	15.—A Zoölogist's Journey to the Society Islands,	Henry E. Crampton
"	22.—Iceland—Its Scenery and Inhabitants.....	Louis P. Gratacap
December	6.—Fragments of Other Worlds.....	S. Alfred Mitchell
"	13.—A Journey in Old Mexico.....	Edmund Otis Hovey

PUBLIC LECTURES ON HOLIDAYS.

New Year's Day, January 1.—The Philippines—Manila,	Prof. Albert S. Bickmore
Washington's Birthday, February 22.—The Philippines—Luzon,	George H. Sherwood



THE BROWN PELICAN GROUP—Completed December, 1906.
(North American Ornithology Fund.)

Thanksgiving Day, November 29.—Volcanoes.....Edmund Otis Hovey
 Christmas Day, December 25.—Iceland—Its Scenery and Inhabitants,
 Louis P. Gratacap

LECTURES FOR CHILDREN.

A spring course of lectures was 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:

January	8.—The Development of New York City.....	Louis P. Gratacap
"	10.—The Work of Water	Edmund Otis Hovey
"	12.—Travels Through Western Europe and British Isles,	Roy W. Miner
"	15.—The Physical Divisions of the United States,	Edmund Otis Hovey
"	17.—Our South American Neighbors.....	George H. Sherwood
"	19.—In the Nile Country.....	Roy W. Miner
March	12 and April 2.—Japan and Her Neighbors....	George H. Sherwood
"	14 and April 4.—Travels in the West Indies...	Frank M. Chapman
"	16 and April 20.—Animals of North America—Their Habits and Uses.....	Roy W. Miner
"	19 and April 23.—Life in California and the Great Southwest,	George H. Pepper
"	21 and April 25.—The Region of the Great Lakes,	Edmund Otis Hovey
"	23 and April 27.—American Trees and Their Products,	George H. Sherwood
"	26 and April 30.—"Hiawatha's" People.....	Harlan I. Smith
"	28 and May 2.—Historic Scenes in the Colonies,	Roy W. Miner
"	30 and May 4.—Mediterranean Countries—Ancient and Modern,	Roy W. Miner

NEW YORK ACADEMY OF SCIENCES.

In Coöperation with the Museum.

Members of the Museum were invited to attend the following lectures delivered under the auspices of the New York Academy of Sciences:

February 19.—The Total Eclipse of the Sun of August, 1905,
 S. Alfred Mitchell
 October 29.*—The Collection of Extinct Elephants in the American Museum,
 Henry Fairfield Osborn
 December 5.—The Yellowstone National Park.....Charles Truax

* In the absence of Professor Osborn, this lecture was delivered by Mr. Frederic A. Lucas.

LINNÆAN SOCIETY OF NEW YORK.

In Coöperation with the Museum.

Members of the Museum were invited to attend the following lectures delivered under the auspices of the Linnæan Society of New York:

- February 21.—The Tortugas Marine Laboratory of the Carnegie Institution;
Its Aims and Problems..... Alfred G. Mayer
March 7.—New Zealand Bird Life Edgar F. Stead
“ 14.—A Naturalist's Camping Trip to Hudson Bay,
Robert T. Morris, M.D.
“ 21.—Bird-Hunting with a Camera..... Clinton G. Abbott

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 9.—Jerusalem..... Lewis Gaston Leary
“ 16.—To and Fro in Babylon..... Mrs. Cassandra A. Haynes
“ 23.—Bedouin Arabs and Things Seen Among Them,
Mrs. Cassandra A. Haynes
“ 30.—In Reed Encampments..... Mrs. Cassandra A. Haynes
February 6.—Egypt: Life, Religion, Art and Symbolism. . Walter Scott Perry
“ 13.—Egypt: Life, Religion, Art and Symbolism. . Walter Scott Perry
“ 20.—Egypt: Life, Religion, Art and Symbolism. . Walter Scott Perry
“ 27.—Egypt: Life, Religion, Art and Symbolism. . Walter Scott Perry
March 6.—A Tour of the World's Markets and Market Places,
Oscar Phelps Austin
“ 13.—The Yellowstone National Park..... Barry Bulkley
“ 20.—First Ascents and Explorations in the Canadian Alps,
Herschel C. Parker
“ 27.—The Land of Lewis and Clark..... Azel Hull Fish
April 3.—The Lake Superior Copper Country..... Claude F. Walker
“ 10.—The South To-day..... James Arthur MacKnight
“ 17.—The City of Washington..... William T. Dorward
“ 24.—Historic Landmarks of New York City..... Albert Ulmann,
R. P. Bolton and Edward Hagaman Hall
October 2.—A Walking Tour in Switzerland..... Louis Auguste Loiseaux
“ 9.—The Austrian Tyrol..... William A. Murrill
“ 16.—The Mighty Danube..... Lewis Gaston Leary
“ 23.—Munich and the Bavarian Alps..... Henry E. Northrop
“ 30.—Northern Italy..... Louis Auguste Loiseaux

- November 6.—The Mediterranean.....Edwin A. Havers
 “ 13.—Naples—Its Environs and Vesuvius....Arthur Stanley Riggs
 “ 20.—Vistas in SicilyArthur Stanley Riggs
 “ 27.—Greece.....Frederick E. Partington
 December 4.—Constantinople and the Bosphorus....Frederick E. Partington
 “ 11.—Egypt and the NileArthur Stanley Riggs

Saturday Evenings.

A course of three lectures on “Natural Science,” by Professor John B. Smith.

- January 6.—Insects and Their Transformations.
 “ 13.—Insects in Their Relations to Plant Life.
 “ 20.—Insects in Their Relations to Man and to Other Animals.

A course of five lectures on “Astronomy,” by Professor Robert W. Prentiss.

- January 27.—The Sun : Its Phenomena.
 February 3.—The Sun : Spectrum Analysis, Light and Heat.
 “ 10.—The Moon : Its Appearance, Motions, Scenery and Physical Condition.
 “ 17.—The Planets : Their Telescopic Appearance and Physical Condition.
 “ 24.—Comets and Meteors : Their Mutual Relations.

A course of nine lectures on “Physics,” by Professor Ernest R. von Nardroff and Dr. Charles H. Tyndall.

- March 3.—The Nature of Light and Color.
 “ 10.—Spectrum Analysis and the Stars.
 “ 17.—Color Photography.
 “ 24.—The Optics of Painting.
 “ 31.—The Colors of Polarized Light.
 April 7.—Colors from the Interference of Light.
 “ 14.—The Relation of Light to Electricity.
 “ 21.—Optical Illusions.
 “ 28.—Wireless Telegraphy.

A course of five lectures on “Chemistry,” by Professor Morris Loeb.

- October 6.—Introduction to the Study of the Carbohydrates.
 “ 13.—Classification of Carbohydrates. Their Occurrence in Nature.
 (a) Single Sugars.
 “ 20.—(b) Double Sugars.
 “ 27.—Complex Carbohydrates.—I.
 November 3.—Complex Carbohydrates.—II.

A course of six lectures on "Physical Geography," by Professor William Libbey.

November 10.—Erosion.

" 17.—Rivers.

" 24.—Geysers.

December 1.—Volcanoes.

" 8.—Earthquakes.

" 15.—Glaciers.

A great institution of this kind attains its highest measure of success not alone through what it may do for the public, but perhaps quite as much through what the public may do for *it*. The Museum, from its inception, has had friends—indeed, many friends—and never in its history have these assisted more unselfishly than during the year just drawn to a close. While the City authorities may appropriate funds for the construction of the building and for the care and custody of the collections, public funds cannot be used for the purchase of specimens. Although we have an endowment of over \$1,000,000, the income from this amount is far too small to permit the Museum to develop as its Trustees desire. Generous gifts to the endowment, therefore, are urgently requested.

The efforts of the Museum to instruct, to improve, and to elevate are now supplemented by the regular contributions of over two thousand "Members" and "Patrons." It is this assistance and the endorsement implied thereby that encourage those entrusted with the management of the Museum to increased endeavor, and assure larger opportunities and wider fields for development in the future.

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
	<hr/>
	<u>\$1,013,000 00</u>

*The interest on the Permanent Endowment is the chief source of income of the General Account (see page 38).

THE AMERICAN MUSEUM OF NATURAL HISTORY

CITY MAINTENANCE ACCOUNT.

RECEIPTS.

Capital Account, January 1, 1906.....	\$15,000 00
Department of Parks.....	\$170,000 00
Transfer from General Account to meet deficit.....	2,924 04
Total receipts for the maintenance of all de-	
partments.....	172,924 04
Interest on Balances	163 73

\$188,087 77

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

*CITY MAINTENANCE ACCOUNT.**

DISBURSEMENTS.

Geology and Invertebrate Palæontology.....	\$7,018 75
Mammalogy and Ornithology.....	8,082 51
Mineralogy and Conchology.....	3,205 02
Vertebrate Palæontology.....	13,708 02
Anthropology	11,337 74
Entomology.....	2,108 88
Invertebrate Zoölogy.....	5,908 13
Physiology.....	2,621 69
Library.....	9,447 92
Public Instruction.....	4,502 04
Preparation and Exhibition.....	13,313 57
General Supplies and Expenses.....	7,631 61
Heating and Lighting.....	19,693 71
Repairs and Installation.....	13,723 06
Administration	50,621 39
Total disbursements for the maintenance of all departments.....	\$172,924 04
Interest on Balances transferred to General Account.	163 73
Cash on hand December 31, 1906.....	15,000 00
	<u><u>\$188,087 77</u></u>

CHARLES LANIER, *Treasurer.*

[E. & O. E.]

NEW YORK, *December 31, 1906.*

*The annual appropriation of the City can be used only for the *maintenance* of the Museum and is inadequate for this purpose. It cannot be used for the purchase of specimens or for the expenses of exploring and collecting expeditions.

in account with CHARLES LANIER, TREASURER.

GENERAL ACCOUNT.*

DISBURSEMENTS.

Geology and Invertebrate Palæontology.....	\$2,697 87
Mammalogy and Ornithology.....	8,155 53
Mineralogy and Conchology.....	282 78
Vertebrate Palæontology.....	10,303 67
Anthropology	6,064 51
Entomology.....	682 84
Invertebrate Zoölogy.....	2,733 91
Library.....	5,712 62
Physiology.....	283 02
Public Instruction.....	4,435 74
Preparation and Exhibition	1,975 72
Publications.....	14,696 93
General Supplies and Expenses.....	8,507 32
Total disbursements for the development of all departments.....	\$66,532 46
Interest on Loans and Overdrafts.....	140 89
Sale of Specimens and Reimbursements.....	177 88
City Maintenance Account: Transferred to this account to balance deficit...	2,924 04
Morris K. Jesup: Transferred to Endowment and Investment Ac- count.....	5,000 00
Loans.....	4,000 00
Cash on hand December 31, 1906.....	9,995 90
	<u><u>\$88,771 17</u></u>

CHARLES LANIER, *Treasurer.*

[E. & O. E.]

NEW YORK, *December 31, 1906.*

* Disbursements of this account are made, as the Board of Trustees may direct, for the purchase of specimens, for the expenses of field parties and for the support of scientific work.

THE AMERICAN MUSEUM OF NATURAL HISTORY

ENDOWMENT AND INVESTMENT ACCOUNT.

RECEIPTS.

MAMMALOGY AND ORNITHOLOGY:

North American Ornithology Fund:

Balance from 1905.....	\$1,569 45	
Mrs. Frank K. Sturgis Fund.....	100 22	
John L. Cadwalader.....	500 00	
F. Aug. Schermerhorn.....	500 00	
Mrs. John B. Trevor.....	100 00	
Mrs. Robert Winthrop.....	250 00	
Mrs. Harriet L. Schuyler.....	250 00	
Mrs. Morris K. Jesup.....	150 00	
H. B. Hollins.....	250 00	
Henry Clay Pierce.....	500 00	
Henry W. Poor.....	500 00	\$4,669 67

George S. Bowdoin Fund for Cetacea.....	5,000 00	
Mrs. Frank K. Sturgis Fund.....	1,000 00	\$10,669 67

MINERALOGY:

Matilda W. Bruce Fund:

Balance from 1905.....	\$231 54	
Interest.....	660 00	\$891 54

George S. Bowdoin for purchase of Opal.....	500 00	1,391 54
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VERTEBRATE PALÆONTOLOGY:

J. P. Morgan Gift.....	\$30,000 00	
Morris K. Jesup Fund.....	1,265 16	
Fossil Fish Exploring Fund: Cleveland H. Dodge.....	1,000 00	
Horse Exploration Fund:		
George J. Gould.....	\$500 00	
Percy R. Pyne.....	500 00	
Arthur Curtiss James.....	500 00	
Francis R. Appleton.....	100 00	1,600 00

Egyptian Expedition: Morris K. Jesup.....	3,500 00	
Syonby Fund: James R. Keene.....	2,000 00	
E. H. Harriman Fund, balance.....	74 44	39,439 60

ANTHROPOLOGY:

Hyde Exploration Fund: B. T. B. Hyde.....	\$1,200 00	
African Collections, balance.....	148 59	
Wm. Demuth Collection, balance.....	82 17	
Ethnological Research Fund, balance.....	47 55	
East Asiatic Fund.....	5,197 30	
Berlin North American Fund, balance.....	123 50	
Morris K. Jesup Fund, balance.....	344 43	
Board of Missions Fund, balance.....	840 00	
Mural Decoration Fund: Arthur Curtiss James.....	1,000 00	8,983 54

ENTOMOLOGY:

Hoffman Entomological Fund: Samuel V. Hoffman.....	500 00	
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INVERTEBRATE ZOÖLOGY:

Tahiti Expedition.....		1,500 00
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FORESTRY:

Mrs. C. P. Huntington Fund.....		124 33
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PUBLICATIONS:

Jesup North Pacific Expedition Publications.....	5,000 00	
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Total receipts for the development of specific departments \$67,608 68

PERMANENT ENDOWMENT:

Balance from 1905.....	1,000 00	
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INTEREST ON CREDIT BALANCES:

Earnings to December 31, 1906.....	280 98	
		<u>\$68,889 66</u>

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

ENDOWMENT AND INVESTMENT ACCOUNT.*

DISBURSEMENTS.

MAMMALOGY AND ORNITHOLOGY :

North American Ornithology Fund.....	\$4,631 51	
George S. Bowdoin Fund for Cetacea.....	3,905 17	
Mrs. Frank K. Sturgis Fund.....	668 47	
		\$9,205 15

MINERALOGY:

Matilda W. Bruce Fund.....	\$757 94	
George S. Bowdoin for purchase of Opal.....	500 00	
		1,257 94

VERTEBRATE PALÆONTOLOGY :

J. P. Morgan Gift.....	\$30,000 00	
Morris K. Jesup Fund.....	1,265 16	
Fossil Fish Exploring Fund.....	1,000 00	
Horse Exploration Fund.....	1,600 00	
Egyptian Expedition.....	2,595 52	
Sysonby Fund.....	69 16	
E. H. Harriman Fund.....	74 44	
		36,604 28

ANTHROPOLOGY :

Hyde Exploration Fund.....	\$1,200 00	
African Collections.....	140 33	
Wm. Demuth Collection.....	28 00	
East Asiatic Fund.....	1,295 55	
Morris K. Jesup Fund.....	9 32	
Mural Decoration Fund.....	1,000 00	
		3,673 20

ENTOMOLOGY:

Hoffman Entomological Fund.....		350 00
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INVERTEBRATE ZOOLOGY:

Tahiti Expedition.....		1,500 00
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FORESTRY:

Mrs. C. P. Huntington Fund.....		124 33
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PUBLICATIONS:

Jesup North Pacific Expedition Publications.....		3,753 06
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Total disbursements for the development of specific departments..... **\$56,467 96**

Interest on Credit Balances, transferred to General Account..... 280 98

Cash on hand December 31, 1906..... 12,140 72

\$68,889 66

[E. & O. E.]

CHARLES LANIER, *Treasurer.*

NEW YORK, *December 31, 1906.*

* In this account are carried all moneys given to the Museum for specific purposes and not intended for the endowment.

LIST OF ACCESSIONS, 1906.

DEPARTMENT OF GEOLOGY AND INVERTEBRATE PALÆONTOLOGY.

BY GIFT.

ALASON T. BRIGGS, New York City.

1 Specimen of *Encrinus liliiformis* Lamarck from Europe.

FRANK SPRINGER, Las Vegas, N. Mex.

3 Specimens of *Talarocrinus palei* Miller & Gurley, showing arms.

12 " " " " " " " dome.

12 " " " " " " " calyces only.

STANDARD PLUNGER ELEVATOR COMPANY, New York City.

12 Drill-cores.

PROF. J. J. STEVENSON, New York City.

1 Block with *Philipsia stevensoni* from near Uniontown, Pa.

MRS. M. B. STREETER, New York City.

2 Specimens of *Productus costatus* Sowerby.

1 Specimen *Teredo* boring from Seattle, Wash.

PROF. R. P. WHITFIELD, New York City.

12 Specimens of Post-pliocene fossils from Point Loma, Cal.

15 " " " " " " Tenth Street, San Diego,
Cal.

250 Specimens of Post-pliocene fossils from Twenty-sixth Street, San
Diego, Cal.

REV. T. W. WILLIAMS, Shamokin, Pa.

Stem of leaf of Tree Fern from Burnside Mine, near Shamokin, Pa.

BY EXCHANGE.

1 Specimen of *Eugaster concinnus* Ringueberg.

2 Specimens of *Protaster stellifer* Ringueberg.

1 Block of *Phialacrinus magnificus* Miller & Gurley.

BY PURCHASE.

6 Specimens of *Toucasia lonsdalei* Sowerby.

2 " " *Requienia ammonia* Goldfuss.

2 " " " *carinata* Matheron.

6 " " *Monopleura varians* "

2 " " " *depressa* "

6 " " " *urgoniensis* "

2 " " *Matheronia gryphoides* "

THROUGH MUSEUM EXPEDITIONS.

- 350 Laramie fossils from Montana. Collected by Barnum Brown.
 1 Specimen of *Unio endlichi* White from Sweetwater, Wyo.
 Collected by Walter Granger.
 100 Cretaceous fossils from near Cárdenas, Mex., and 200 specimens
 of rocks and ores from Mexico. Collected by E. O. Hovey.
 1 Specimen of *Aviculopecten princeps* Conrad sp. from Delaware,
 Ohio; 1 specimen of *Gomphoceras eximium* Hall from Sandusky,
 Ohio; 1 specimen of *Orthoceras* sp. indet. from Sandusky, Ohio.
 Collected by L. Hussakof.
 20 Specimens of Devonian plants from Scaumenac Bay, opposite Dal-
 housie, New Brunswick. Collected by C. S. Mead and L.
 Hussakof.

DEPARTMENT OF MAMMALOGY AND
 ORNITHOLOGY.

MAMMALS.

BY GIFT.

MRS. ALFRED BIERSTADT, New York City.

- 1 Buffalo head (mounted).

HERBERT BROWN, Yuma, Ariz.

- 1 Spermophile.

HERMON C. BUMPUS, New Rochelle, N. Y.

- 2 White-footed Mice.

N. G. BUXTON, Johnstown, Ohio.

- 1 Jumping Rat.

JAMES CHAPIN, Staten Island, N. Y.

- 1 Brown Rat.

MISS CARRIE I. CLOSE, Brooklyn, N. Y.

- 1 Fox Terrier.

WILLIAM COOK, New York City.

- 2 Dried Rats.

DEPARTMENT OF PUBLIC PARKS, New York City.

- 18 Monkeys, 1 Ringtail Monkey, 1 Ashy-black Monkey, 3 Mar-
 mosets, 1 Lion, 1 Coyote, 3 Foxes, 1 Black Bear, 1 Brown Bear,
 1 Raccoon, 1 Fisher, 1 Black-footed Ferret, 1 Goat, 5 Aoudads,
 1 Zebu, 1 Yak, 1 Black-buck, 1 Peccary, 3 Mexican Deer, 4
 Axis Deer, 1 Virginia Deer, 2 Fallow Deer, 1 Agouti, 1 Fox
 Squirrel, 1 Prairie Dog, 1 Porcupine.—Total, 57 specimens re-
 ceived in the flesh.

A. W. DIMOCK, Marco, Fla.

- 1 Manatee.

DR. J. DWIGHT, New York City.

1 Flying Squirrel.

W. K. GREGORY, New York City.

1 Scalp and skull of Yaguarondi Cat.

O. R. MEDSGER, Arlington, N. J.

1 Georgia Bat.

NEW YORK ZOÖLOGICAL SOCIETY, New York City.

1 Korean Monkey, 1 Tchile Monkey, 1 Black Ape, 1 Pig-tail Monkey,
1 Mandrill, 1 Marmoset, 3 Lemurs, 2 Leopards, 2 Clouded Leopards,
2 Ocelots, 1 Blue Fox, 1 Red Fox, 1 Azara's Dog, 1 Japanese Bear,
1 Polar Bear, 1 Sloth Bear, 1 Black Bear, 1 Civet Cat, 2 Wolverines,
1 Genet, 1 Fennec, 1 Mongoose, 1 Binturong, 1 Viverrine, 1 Rocky Mountain Goat,
1 Markhor, 1 Aoudad, 2 Mountain Sheep, 1 Nylghau, 2 Buffaloes, 1 Maral,
1 American Antelope, 1 Whitetail Deer, 1 Chinese Deer, 1 Sambar Deer, 1 Muntjac,
1 Caribou, 1 Moose, 1 Grant's Zebra, 4 Hedgehogs, 1 Beaver, 1 Capybara,
1 Agouti, 1 Viscacha, 1 Sloth, 1 Wallaby, 1 Echidna.—Total, 58 specimens received in the flesh.

JAMES RICALTON, Maplewood, N. J.

1 Young Indian Elephant.

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

1 Jumping Rat.

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

2 Brown Bats, 1 White-footed Mouse.

E. T. SETON, Cos Cob, Conn.

1 Red Squirrel.

MRS. JOHN WHEELWRIGHT.

1 Whale-tooth.

ZIEGLER POLAR EXPEDITION.

1 Polar Bear.

BY EXCHANGE.

87 Specimens from Colorado, 20 specimens from Utah, 10 Old World Bats.

BY PURCHASE.

2 Zebra skulls, 1 Otter skin, Texas Steer horns, 4 Whale skeletons,
79 Mammals from the Island of Hainan, China.

THROUGH MUSEUM EXPEDITIONS.

1 Puma, 2 Ocelots, 3 Foxes, 1 Weasel, 3 Skunks, 1 Bassariscus,
4 Coatimondis, 4 Opossums, 7 Deer, 1 Peccary, 1 Rabbit, 5 Squirrels,
15 Peromyscus, 1 Reithrodontomys, 2 Black Rats, 1 Brown Rat, 63 Bats.—Total, 115 specimens from Mexico.
Collected by J. H. Batty.

- 4 *Spermophiles* (in alcohol) from Tucson, Ariz. Collected by Mr. F. M. Chapman and Mr. J. D. Figgins.
1 Porpoise from Pelham Bay Park, N. Y. Collected by W. Dolan.
1 Deer, 1 Mountain Sheep, 1 Antelope, 11 Prairie Dogs, 1 Deer skull and horns, from Wyoming. Collected by James L. Clark.

BIRDS.

BY GIFT.

- G. J. ATKINSON, New York City.
1 Pied-billed Grebe.
- HERBERT BROWN, Yuma, Ariz.
5 Skins from Arizona.
- NATHAN C. BROWN, Portland, Me.
72 Beautifully prepared skins from South Carolina.
- JAMES CHAPIN, New York City.
1 Osprey, 7 small birds, sternums of 2 birds.
- J. G. CREIGHTON, New York City.
1 White Leghorn Rooster.
- REV. G. G. CROZIER, Assam, India.
137 Skins from Assam.
- HOMER DAVENPORT, Morris Plains, N. J.
1 Blue-winged Teal, 1 Gray Jungle Fowl, 2 Quail, 1 Manchurian Pheasant, 1 Mongolian Pheasant, 1 Crested Pheasant, 1 Silver Pheasant.
- DEPARTMENT OF PUBLIC PARKS, New York City.
1 Cassowary, 1 Tern, 12 White Swans, 2 Black Swans, 1 Canada Goose, 1 Duck, 3 Pheasants, 3 Eagles, 3 Hawks, 3 Owls, 13 Parrots, 3 Cockatoos, 1 Crow, 3 Cardinals, 4 Java Sparrows, 2 small birds.—Total, 56 specimens received in the flesh from the Central Park Menagerie.
- DR. JONATHAN DWIGHT, JR., New York City.
7 Small birds from New York.
- CHAPMAN GRANT, New York City.
128 Skins, mostly from California.
- R. C. MURPHY, New York City.
4 Skins of small birds from New York.
- MIRON NEALE.
31 Skins from Michigan.
- NEW YORK ZOÖLOGICAL SOCIETY, New York City.
2 Rheas, 1 Emu, 3 Cassowaries, 1 Ostrich, 1 Swan, 1 Duck, 1 American Egret, 1 Brush Turkey, 1 Vulturine Guinea Fowl, 2 Crowned Pigeons, 1 California Condor.

F. A. SCHNEIDER, New York City.

1 American Goldfinch.

COL. NICOLI P. SOKOLNIKOFF.

2 Skins of adult Ross's Gull from Siberia.

EDGAR F. STEAD, Christchurch, New Zealand.

1 Penguin skin from New Zealand.

C. C. WARREN, White Plains, N. Y.

Humming-bird on burdock.

BY EXCHANGE.

11 Specimens from Sonora and Isle of Pines.

150 Specimens, mostly from South America.

3 Specimens from Florida.

THROUGH MUSEUM EXPEDITIONS.

LOCAL COLLECTING.

32 Small birds from New Jersey.

WESTERN EXPEDITION (North American Bird Group Fund).

131 Specimens from Arizona, Nebraska, California and Oregon.

MEXICAN EXPEDITION.

328 Birds from western Mexico.

DEPARTMENT OF VERTEBRATE PALÆONTOLOGY.

BY GIFT.

PROF. BASHFORD DEAN, New York City.

Mounted skeleton of *Cryptobranchus*, the "giant salamander" of Japan.

Several specimens of fossil fishes from various formations and localities.

MAJOR F. McLAUGHLIN, Santa Cruz, Cal.

Tooth of mammoth from the Klondike, Yukon Territory.

J. PIERPONT MORGAN, New York City.

The Warren Collection of fossils, etc., including :

1. The "Warren Mastodon," the largest and finest mastodon skeleton ever found.
2. Skull and jaws of the "Shawangunk Mastodon," and various incomplete skeletons, jaws and teeth of mastodons and mammoths.
3. Incomplete skeleton of the primitive Cetacean, *Zeuglodon*, from the Eocene of Alabama, estimated to be 70 feet in length.
4. Series of footprints of dinosaurs on Triassic flagstones from near Turner's Falls, Connecticut River.

5. Series of casts of the historic collection of fossils in the Darmstadt Museum, and other valuable casts.
6. Series of skeletons, skulls, and other preparations of modern mammals, reptiles, etc., and various miscellanea.

BY EXCHANGE.

BRITISH MUSEUM, London, England (through Dr. A. Smith Woodward).

Casts of eight specimens of fossil vertebrates in the British Museum.

UNIVERSITY OF BASEL, Switzerland (through Prof. H. G. Stehlin).

Collection of named specimens of teeth of Eocene mammals from Egerkingen, Switzerland.

BY PURCHASE.

Part of skeleton of mastodon from near Buffalo, Kan. Collected by C. H. Sternberg.

Complete shell and part of skeleton of a Miocene tortoise from Kansas. Collected by C. H. Sternberg.

Two skeletons of a large new fossil rhinoceros and a fossil crocodile skeleton from the Big Badlands of South Dakota. Collected by H. F. Wells.

Specimens of Devonian fishes, *Cladoselache* and *Dinichthys*, from Dr. W. Kepler.

24 Specimens of fossil fishes purchased in Germany through Professor Dean.

10 Plaster casts of fossil fishes from F. Krantz, Bonn, Germany.

7 Specimens of fossil fishes from Ward's Natural Science Establishment, Rochester, N. Y.

5 Specimens of fossil fishes from B. Stütz, Bonn, Germany.

THROUGH MUSEUM EXPEDITIONS.

DEVONIAN OF CANADA.

200 Specimens of fossil fishes from Baie Chaleur, P. Q.

LARAMIE CRETACEOUS OF MONTANA.

Specimens of dinosaurs, including a skeleton and parts of several others, of the "Duck-bill" Dinosaur. Also a number of teeth, etc., of rare Cretaceous mammals.

LOWER MIOCENE OF SOUTH DAKOTA.

256 Specimens of fossil mammals, mostly new to science, from the Rosebud formation in southwestern South Dakota.

MIDDLE EOCENE OF WYOMING.

180 Specimens of fossil mammals and 10 specimens of fossil reptiles from the Bridger and Washakie formations of southwestern Wyoming.

DEPARTMENT OF ETHNOLOGY.

BY GIFT.

CHAMPE S. ANDREWS, New York City.

2 Photographs of Dookhboors of Canada.

ANONYMOUS GIFT.

1 African tray.

ANONYMOUS GIFT.

1 Pair of Russian shoes.

GEORGE S. BOWDOIN, New York City.

1 Robe, 1 sago-squeezer, 2 quivers with arrows, from Africa.

IRVING BROKAW, New York City.

1 Skull, 2 flat-irons, 1 bunch of keys and spoons, relics of St. Pierre eruption.

WILLIAM DEMUTH, New York City.

A collection of pipes and smoking utensils, including 6 African pipes, 20 pipes and a number of cigars from Philippine Islands, and 1 clay pipe bowl from Africa.

T. E. DONNE, Wellington, New Zealand.

1 Skull from Chatham Island.

RICHARD DOUGLAS, New York City.

1 Upright queue from Barotse Land, Africa.

ROBERT DUMONT, New York City.

29 Specimens from islands of the Pacific Ocean.

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

1 Coiled basket, 1 birch-bark basket, 1 bag, from Alaska.

J. B. FOULKE, Babylon, L. I.

1 Large gold-embroidered cloth from India.

DR. W. FREUDENTHAL, New York City.

1 Pair of moccasins from Bonita, Ariz.

WILBUR F. GOODRICH, Somerville, Mass.

11 Chipped points from Midlothian, Va.

THOS. M. GUERIN, New York City.

1 Skirt from the Hawaiian Islands.

ALFRED HAMMERSTEIN, Canada.

1 Copy of newspaper printed in Cree language.

GERALD E. HART, New York City.

1 Basket from Chilkat Indians of British Columbia.

GEORGE G. HEYE, New York City.

1 Grinding stone from Mexico; a similar stone from Mississippi;
1 wooden spear, 1 bow and three arrows from Africa; 1 skull
from battlefield of Waterloo.

- HENRY W. HOWELL, New York City.
1 Implement and boat model from the South Seas.
- HENRY E. JONES, New York City.
1 Doll from the Ojibway Indians.
- GEORGE B. KING, Lawrence, Mass.
5 Casts of stone implements from the Merrimac Valley.
- MRS. CHARLES B. KNOX, New York City.
1 Carved wooden dish from Alaska.
- E. KUZMIER, Long Island.
2 Chipped quartzite points from Huntington, L. I.
- FRANK G. LAHEY, Akron, Ohio.
1 Grooved stone ax, 2 arrow points.
- DR. A. B. LEWIS, New York City.
1 Fragment of flaked stone from Trenton, N. J.
- G. ARCHIBALD McTAVISH, New York City.
3 Stone implements, 2 fish-hooks, 2 stone adzes, from islands of the Pacific Ocean.
- GEORGE W. MAYNARD, New York City.
8 Pairs of shoes from Belgium.
- PAUL C. MILLER, New York City.
3 Stone implements from Wyoming.
- J. P. MORGAN, New York City.
8 Stone implements and 1 piece of pottery, from North America.
- B. T. NASH, New York City.
1 Pitted stone from Ohio.
- GEORGE N. PINDAR, New York City.
3 Bracelets from the Philippine Islands.
- CAPT. WIRT ROBINSON, Fort Totten, N. Y.
Fragments of pottery and broken bones from Tennessee.
- SHELDON RODMAN, New York City.
1 Hat from India.
- T. S. RUMNEY, Liberty, N. Y.
1 War gong from Philippine Islands.
- M. F. SAVAGE, New York City.
2 Javanese cigars.
- ERNEST SCHERNIKOW, New York City.
2 Hammer-stones from southeastern Nevada.
- MRS. J. SMITH, New York City.
1 Terra cotta garden seat, probably from China.

- J. G. PHELPS STOKES, New York City.
 Collection of silver work from India.
 Collection of ethnological specimens from various localities in North America.
- W. A. WELCH, New York City.
 Pot of arrow poison from South America.
- MRS. JOHN WHEELWRIGHT, New York City.
 1 Terra cotta whistle from Central America.
 1 Decorated gourd from South America.
 25 Pieces of pottery " " "
 1 Ladle, 1 sheet bearing paintings of costumes, from Asia.
- GEN. CHARLES A. WHITTIER, New York City.
 Models representing torture, from Philippine Islands.
- LOUIS G. ZUMAYA, New York City.
 1 Belt from Mexico.

THROUGH MUSEUM EXPEDITIONS.

- Specimens from the natives of Mexico. Collected by Mr. J. H. Batty.
- Specimens from the Central Eskimo. Collected by Capt. George Comer.
- Specimens from the California Indians. Collected by Miss Constance Goddard DuBois.
- Specimens from the Ojibway Indians. Collected by Dr. William Jones.
- Specimens from the Shoshone Indians. Collected by Mr. R. H. Lowie.
- Specimens from the State of Washington. Collected by Mr. Edward Sapir.
- Specimens from Korea. Collected by Dr. C. C. Vinton.
- Specimens from Pine Ridge, S. D. Collected by Dr. J. R. Walker.
- Specimens from Blackfoot Indians. Collected by Dr. Clark Wissler.

BY EXCHANGE.

- ACADEMY OF SCIENCES, St. Petersburg, Russia.
 Ethnological specimens from Siberia.
- ACADEMY OF NATURAL SCIENCES, Philadelphia, Pa.
 Cast of bone club from Vancouver Island.
- MUSEUM OF THE COLLEGE OF CHARLESTON.
 7 Casts of fossilized human bones from the Island of Guadeloupe.
- THOMAS B. CLARKE, New York City.
 7 Casts of pottery from China.
- REV. S. COULING, New York City.
 9 Casts of archæological specimens from China.

- LIEUT. G. T. EMMONS, Princeton, N. J.
Ethnological specimens from the Pacific coast of North America.
- PROF. JACOB, Erlangen, Germany.
3 Shadow-play figures from Turkey.
- PROF. OKAZAKI, New York City.
Casts of bronze vessels from China.
- ROYAL SCOTTISH MUSEUM, Edinburgh.
1 Cast of stone ax from China.
- DECOST SMITH, New York City.
1 Cast of bust of an Iowa Indian.

BY PURCHASE.

- 3 Ivory horns and 6 shields from Africa.
- 11 Archæological specimens from Costa Rica.
- 87 Specimens from the Iroquois Indians, Cattaraugus Co., N. Y.
- 1 Carved club from New Zealand.
- Blackfoot medicine woman's outfit from Browning, Mont.
- 1 Model of sailing vessel from Colombo, Ceylon.
- 3 Specimens from the Maidu Indians of California.
- 99 Ethnological specimens from the Samoan Islands.

DEPARTMENT OF ENTOMOLOGY.

BY GIFT.

- DR. WILLIAM H. ASHMEAD, Washington, D. C.
A number of North American insect-galls.
- MRS. A. BEAUMONT, Vineland, N. J.
A collection of termites and nests from Panama, collected by the late James Beaumont.
- C. F. BAKER, Santiago de las Vegas, Cuba.
Exochomus cubensis from Cuba.
Bradynotes excelsa from Mount Tyndall, Cal.
Bradynotes compacta from Ormsby County, Nev.
- BUREAU OF ENTOMOLOGY (through Dr. A. D. Hopkins), Washington, D. C.
A number of rose-galls from Arizona and Colorado.
- DR. D. M. CASTLE, Philadelphia, Pa.
50 Beetles from Tybee Island, Ga., and Enterprise, Fla.
1 *Cychnus ridingsii* from Pennsylvania.
- PROF. T. D. A. COCKERELL, Boulder, Colo.
A collection of galls from Colorado.
A collection of bees from Colorado.
- DR. J. DWIGHT, JR., New York City.
A collection of insects from Douglas, Wyo.

- DR. HARRISON G. DYAR, Washington, D. C.
A number of Lepidoptera from Kaslo, B. C.
- DR. JAMES FLETCHER, Ottawa, Canada.
1 *Sphinx canadensis*.
4 *Barathra curialis*.
- E. A. FORD, New York City.
A number of butterflies from Gaboon, Congo, Africa.
- C. P. GILLETTE, Fort Collins, Colo.
Specimen of gall of *Andricus spongiola*.
- L. P. GRATACAP, New York City.
A collection of insects from Iceland.
- CARL HARTMAN, Austin, Texas.
Galls of *Pachypsylla venusta*.
- GEORGE KELLER, Newark, N. J.
2 *Apatela manitoba*.
- GNEOMAR VON KROCKOW, Brooklyn, N. Y.
1 *Amblychila schwarzi* from Salt Lakes, N. M.
Specimens of galls from Tucson, Ariz.
- J. F. McCLENDON, Philadelphia, Pa.
A collection of insects from Mexico.
- T. H. McHATTON, Macon, Ga.
A collection of insects from Fannin County, Ga.
- A. L. MELANDER, Pullman, Wash.
25 Types and cotypes of North American Diptera.
- W. DEWITT MILLER, Plainfield, N. J.
Specimens of galls on violet.
- T. COTTIM NELLIST, Astoria, N. Y.
Specimens of silks in different stages of manufacture.
- CAPT. WIRT ROBINSON, Fort Totten, N. Y.
A collection of beetles from the United States.
Beetles from British Guiana, South America.
- A. I. ROOT COMPANY, New York City.
Swarm of stingless bees and nest from the upper Orinoco, Venezuela.
- WILLIAM SCHAUS, London, England.
A collection of Lepidoptera from Cuba.
- DR. HENRY SKINNER, Philadelphia, Pa.
12 Specimens of beetles from Carr Canyon, Huachuca Mountains, Ariz.
6 *Cicindela roguensis* from Rogue River, Ore.
- PROF. JOHN B. SMITH, New Brunswick, N. J.
59 Specimens of North American Noctuidæ.
- A. L. TREADWELL, Poughkeepsie, N. Y.
1 *Lepidota bimaculata* from Borneo.

DR. WILLIAM M. WHEELER, Bronxville, N. Y.

A collection of Chalcididæ.

Specimens of galls from Colorado.

A number of insects from Colorado.

A collection of fossil insects from Florissant, Colo.

ALEX. E. WIGHT, Wellesley, Mass.

Specimens of insects from Jamaica, B. W. I.

BY PURCHASE.

A collection of North and South American Orthoptera.

A collection of insects from Santiago, Cuba.

A collection of insects from Adana, Asia Minor.

25 Specimens of North American *Cicindela*.

400 Specimens of North American Diptera.

Swarm of Italian honey-bees.

THROUGH MUSEUM EXPEDITIONS.

HOFFMAN ENTOMOLOGICAL EXPEDITION.

About 8,000 insects from the Black Mountains, N. C. Collected by
William Beutenmüller.

DEPARTMENT OF MINERALOGY AND CONCHOLOGY.

MINERALOGY.

BY GIFT.

AMERICAN MINERAL AND ALLOY COMPANY.

1 Specimen of Carnotite, Colorado.

F. BOHM, New York City.

Various Copper and Lead ores from Helena, Mont.

H. BOOTH, Poughkeepsie, N. Y.

1 Specimen of Fulgurite, Benzie, Frankfort Co., Mich.

MR. GEORGE S. BOWDOIN, New York City.

Specimen of Opal, Australia.

THE MATILDA W. BRUCE FUND.

65 Specimens of minerals, including Anapaite, Astrolite, Beryl, Bismuth, Bowenite, Bröggerite, Cassiterite, Chalmersite, Cinabar, Columbite, Corundophyllite (Amesite), Dolomite (twinned), Dumortierite, Gypsum, Hellandite, Hematite, Herderite, Heulandite, Indicolite (Tourmaline), Knoxvilleite, Lapis Lazuli, Lead, Malakon (Zircon), Manganite, Minium, Monazite, Natrolite, Peridot, Prehnite, Pseudoapatite, Quartz (unusual), Riebeckite, Silver, Smaltite, Stephanite, Stilbite, Sulphur, Teallite, Titanite and Wollastonite (after Pyroxene).

L. V. CASE, Tarrytown, N. Y.

2 Specimens of Cyrtolite, Bedford, N. Y.

PROF. CHARLES H. CHANDLER, New York City.

About one-third of the Russel Gulch, Colorado, Meteorite, weight,
11 pounds, 3 ounces; also cast of the whole mass.

DEPARTMENT OF VERTEBRATE PALÆONTOLOGY, from the
Warren Collection.

Specimens of various minerals.

DR. JONATHAN DWIGHT, New York City.

1 Specimen of Mica (Muscovite), Larchmont, N. Y.

MRS. VICTOR M. HACKLEY, Philadelphia, Pa.

1 Specimen of Stalactite, Luray Cave, W. Va.

DR. DAVID L. HAIGHT, New York City.

1 Specimen of Black Pearl.

MESSRS. BERNARDO HIRIART and PEDRO LEILETCHE, California.

1 Specimen of Beryl (white and curiously marked), Pala, San Diego
Co., Cal.

MISS MARY W. LANGDON, New York City.

Specimens of Cinnabar, Copper, Proustite, Silver, etc.

M. McLEOD, Ontario, Canada.

1 Specimen of Annabergite, Cobalt, Ontario, Canada.

1 " " Bismuth, " " "

1 " " Erythrite, " " "

1 " " Mica (Muscovite), Cobalt, Ontario, Canada.

1 " " Niccolite, " " "

2 " " Smaltite, " " "

J. D. MALLONEE, Alstead, N. H.

2 Specimens of Soapstone (Steatite) water-pipes.

J. PIERPONT MORGAN, New York City.

1 Specimen of Tourmaline (Rubellite) crystal, Pala, San Diego Co.,
Cal.

1 Specimen of Tourmaline (grouped Rubellite), Pala, San Diego
Co., Cal.

1 Specimen of Turquoise Matrix, Santa Rosa, Mexico.

1 " " " from Persia.

PREMIER (Transvaal) DIAMOND MINING CO., LIMITED.

Model of the "Cullinan" diamond, South Africa.

RAUL REYES, VENEZUELA.

1 Specimen of Malachite, Estado Laca, Venezuela.

T. SANDERS, JR., Newark, N. J.

1 Specimen of Pyroxene, Warren Co., N. Y.

MRS. JOHN WHEELWRIGHT (deceased), through Miss MARY LANG-
DON WHEELWRIGHT, New York City.
Large Mexican Onyx nodule.

BY EXCHANGE.

Specimens of Aurichalcite, Chalcophanite and Smithsonite.
1 Specimen of Riebeckite.

CONCHOLOGY.

BY GIFT.

H. BOEKELMAN, Cotorro, Cuba.

12 Specimens of *Modiola sulcata* Lam.
20 " " *Polygyra paludosa* Pfr.

E. W. HISTED, New York City.

1 Specimen of *Argonauta argo* Linn.

SLOMAN ROUS, New York City.

4 Specimens of *Helix aperta* Born. (with epiphragm), France.
1 " " *Helix (Pleurodonta) dentiens* Fer., Cuba.

PROF. MARSHALL H. SAVILLE, New York City.

1 Specimen of *Astraliium* sp.
1 " " *Cassis inflata* Shaw.
2 " " *Conus interruptus* Brod.
2 " " *Cypræa arabicula* Lam.
1 " " " *cervinetta* Kien.
2 " " " *pustulosa* Lam.
1 " " *Hemicardium* sp.
1 " " *Strombus granulatus* Gray.
1 " " *Sycotypus decussatus* Wood.
1 " " *Trochus* sp.?

FREDERICK SCHNEIDER, New York City.

Several Living Land Shells (*Helix*).

PROF. R. P. WHITFIELD, New York City.

1 Specimen of *Nassa*.
1 " " *Trochus*.
6 " " *Purpura patula* Linn.

BY PURCHASE.

1 Specimen of *Amussium japonica* Gmel.
1 " " *Arca granosa* Linn.
1 " " *Avicula* sp.
1 " " *Caliostoma unicum* D'Orb.
1 " " *Cassis coronulata* Sowb.

1	specimen	of	<i>Chlorostoma rustica</i>	Gmel.
1	"	"	<i>Clanculus clanguloides</i>	Gray.
1	"	"	<i>Crepidula walshi</i>	Hermanson.
1	"	"	<i>Dolium perdix</i>	Linn.
1	"	"	"	<i>zonatum</i> Green.
1	"	"	<i>Drillia flavidula</i>	Lam.
1	"	"	<i>Euthria ferrea</i>	Rve.
1	"	"	<i>Hydatina albocincta</i>	Hoev.
1	"	"	<i>Infundibulum</i>	sp.?
1	"	"	<i>Lima squamosa</i>	Lam.
1	"	"	<i>Mytilus</i>	sp.?
1	"	"	<i>Nassa picta</i>	Desh.
1	"	"	<i>Patella nigrisquamata</i>	Rve.
2	"	"	<i>Pecten crassicostata</i>	Sowb.
2	"	"	"	<i>irregularis</i> Sowb.
1	"	"	"	<i>squamosus</i> Gmel.
1	"	"	<i>Pleurotoma garnonsu</i>	Rve.
1	"	"	<i>Scala lamellosa</i>	Lam.
1	"	"	<i>Scutus unguis</i>	Linn.
1	"	"	<i>Vulsella lingulata</i>	Lam.

BY EXCHANGE.

DR. BINION, New York City.

2 Specimens of *Cypræa cervus* Linn.

H. GOMEZ, New York City.

Numerous specimens of *Amnicola panamensis* Tryon.

30 " " " *vulcani* Martens.

C. DAYTON GWYER, New York City.

2 Specimens of *Anodonta cataracta* Say.

4 " " " *implicata* Say.

2 " " " *undulata* Say.

1 " " *Fulgur canaliculata* Say.

4 " " *Lymnæa auricularia* Linn.

1 " " *Lunatia heros* Say.

1 " " *Neverita duplicata* Say.

12 " " *Petricola pholadiformis* Lam.

3 " " *Pholas truncata* Say.

3 " " *Solen ensis* Linn.

1 " " *Tellina* sp.?

2 " " *Unio complanatus* Dillw.

MRS. E. O. HOVEY, New York City.

2 Specimens of *Zonites bilineata* var. *venusta* Shebel.

DR. THEODORE KORMOS, Budapest, Hungary.

476 Specimens, embracing 50 species of Hungarian Land Shells.

JOHN RITCHIE, JR., Boston, Mass.

- 2 Specimens of *Ashmunella rhyssa* var. *hyporhyssa* Cockerell.
- 2 " " *Bathybembex argenteonitens* Pils.
- 2 " " *Buliminus maritaburgensis* Melv. & Pons.
- 1 " " *Carychima noduliformis* Reinhardt.
- 2 " " *Eulota mackenzii* Ad. & Rve.
- 2 " " *Ganesella tanegashima* Pils.
- 3 " " *Hemitrochus gaymanensis* Maynard.
- 3 " " " *maynardi* Pils.
- 3 " " " *xanthophæa* Pils.

(The above three species types and cotypes.)

- 2 Specimens of *Leptopoma halophilum* Bens.
- 6 " " *Pupa (Bifidaria) armigerella* Rein.
- 3 " " *Stenogyra (Opeas) tuckeri* Pfr.

SLOMAN ROUS, New York City.

- 1 Specimen of *Columbarium pagoda* Less.
- 1 " " *Lyria cassidula* Rve.
- 1 " " *Patella nigrisquamata* var. *boninensis* Pils.
- 2 " " *Pedicularia californica* Newc.
- 10 " " *Plectopylis fultoni* Godwin-Austin.

MAXWELL SMITH, New York City.

- 5 Specimens of *Achatinella abbreviata* Rve.
- 2 " " " *loricata* Fer.
- 4 " " " *olivacea* Rve.
- 5 " " " *ovata* Newc.
- 2 " " " *producta* Rve.
- 2 " " " sp. ?
- 1 " " *Gyraulus vermicularis* Gould.
- 1 " " *Amalthea antiquata* Linn.
- 1 " " *Ancylus kirklandi* Walker.
- 1 " " " *patelloides* Walker var.
- 1 " " *Arionta traskii* Newc.
- 1 " " *Auricula stagnalis* D'Orb.
- 13 " " *Barbatia gradata* Swb.
- 1 " " *Bulla gouldiana* Pils.
- 1 " " *Calliostoma gloriosum* Dall.
- 1 " " *Cassis tenuis* Gray.
- 5 " " *Carinifex newberryi* Lea.
- 2 " " *Cerithium ocellatum* Brug.
- 3 " " *Cooperella diaphana* Cpr.
- 1 " " *Cypræa helvola* var. *hawaiiensis* Melv.
- 5 " " *Epiphragmophora stearnsiana* Gabb.
- 2 " " *Erato columbella* Mke.
- 2 " " *Eulima polita* Linn.
- 3 " " *Euryta aciculata* Linn.

11	specimens of	<i>Fluminicola nuttallina</i> Lea.
5	" "	" <i>seminalis</i> Lea.
2	" "	" <i>virens</i> Lea.
1	" "	<i>Gadinia reticulata</i> Cpr.
7	" "	<i>Goniobasis nigrina</i> var.
1	" "	" <i>plificera</i> Lea.
3	" "	" var. <i>oregonensis</i> Lea.
2	" "	<i>Isapis fenestrata</i> Cpr.
1	" "	<i>Limnæa bulimoides</i> Lea.
1	" "	" <i>decollata</i> Mgh.
1	" "	" <i>lanceolata</i> Walk.
2	" "	" <i>nuttalliana</i> Lea.
1	" "	<i>Liotia acuticostata</i> Cpr.
3	" "	<i>Lyonsia californica</i> Cpr.
3	" "	<i>Mangelia striosa</i> Adams.
3	" "	<i>Marginella jewettii</i> Cpr.
3	" "	" <i>pyriformis</i> Cpr.
1	" "	<i>Metis alta</i> Conr.
1	" "	<i>Monoceros lugubre</i> Swb.
2	" "	<i>Murex incisus</i> Brod.
1	" "	" <i>nuttallii</i> Conr.
1	" "	<i>Ovula avena</i> Sowb.
1	" "	" <i>deflexa</i> var. <i>barbarens</i> Dall.
1	" "	" <i>uniplicata</i> Sowb.
1	" "	<i>Pedicularia californica</i> Newc.
10	" "	<i>Phasianella perforata</i> Phil.
1	" "	<i>Physa ancillaria</i> var. <i>maqualacustus</i> Walker.
2	" "	<i>Planorbis lentens</i> Walker.
3	" "	" <i>binneyi</i> Walker.
1	" "	<i>Pomatias gracilis</i> Pfr.
1	" "	" <i>herei</i> Sloss.
1	" "	" <i>philippianus</i> Gade.
1	" "	" <i>plumbeus</i> West.
1	" "	" <i>scalarinus</i> Villa.
1	" "	" <i>septemspiralis</i> Raz.
1	" "	<i>Semele rupium</i> Cpr.
1	" "	<i>Triton gibbosus</i> Brod.
2	" "	<i>Valvata virens</i> Tryon.
1	" "	<i>Vitrinella complanata</i> Cpr.

Mrs. H. A. ZECH, Los Angeles, Cal.

10	Specimens of	<i>Cooperella subdiaphana</i> Cpr.
12	" "	<i>Helix kellesti</i> Fbs.
8	" "	" <i>gabbi</i> Newc.
12	" "	<i>Haminea vesicula</i> Gld.
5	" "	<i>Ianthina exigua</i> Lam.

- 17 specimens of *Marginella varia* Swb.
- 1 " " *Murex barbarensis* Gabb.
- 1 " " " *foliatus* Mart.
- 1 " " " *trialatus* Swb.
- 1 " " *Tellina carpenteri* Dall.
- 1 " " *Trivia pilula* Kien.

DEPARTMENT OF INVERTEBRATE ZOÖLOGY.

INVERTEBRATES.

BY GIFT.

ALEDA, COUNTESS VON KROCKOW, Brooklyn, N. Y.

Oyster shells attached to roots of the mangrove from Key Francis,
Cuba.

W. H. ARNTON, New York City.

1 Tarantula, Barracoa, Cuba.

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

4 Specimens of Coral from Planter, Fla.

MESSRS. BORRELLI AND VITELLI, New York City.

9 Specimens of red and white Precious Coral from various parts of
the world.

COLUMBIA UNIVERSITY, New York City.

1 Giant Spider Crab.

J. H. COMSTOCK, Ithaca, N. Y.

Stones containing Rock-boring Mites.

WILLIAM T. DAVIS, New Brighton, Staten Island.

2 Fresh-water Sponges.

PROF. BASHFORD DEAN, New York City.

Various invertebrates from the Sea of Japan.

P. J. EDER, New York City.

Various insects and scorpions from Cale, Cauca Valley, Colombia.

B. FROEHL, New York City.

1 Queen White Ant from Bechuanaland, South Africa.

MRS. G. J. GUNTHER, New York City.

2 Sea-fans and 2 encrusting Millepores from Tortugas, Fla.

FRED HIRSHBACK, New York City.

1 Crab (*Leucosia perryi* Miers).

MR. JUDD, New York City.

1 Land Crab from eastern Cuba.

DR. CARL LUMHOLTZ, New York City.

3 Land Crabs from Jalisco, Mexico.

NEW YORK AQUARIUM, New York City.

Several Holothurians and Starfishes from the Grand Banks, Newfoundland.

DR. F. C. PAULMIER, Albany, N. Y.

1 Hermit Crab from Port Limon, Costa Rica.

F. SILVESTRI, Portici, Italy.

Collection of South American Ants.

DR. N. YATSU, Japan.

2 Nummulites from Japan.

BY PURCHASE.

1 Lot of *Sagartia*, including 6 species.

1 Large Monaxonid Sponge from Santa Lucia, West Indies.

1 Large specimen of *Ctenactes*.

1 Specimen of Glass Sponge (*Hyalascus similis* Ijima). Type and only specimen from coast of Totomi, Japan.

Various insects and centipedes from Venezeula and Guiana.

1 Collection of tropical ants.

THROUGH MUSEUM EXPEDITIONS.

1,577 Fossil insects and leaves, including 1,006 ants from Florissant, Colo. Collected by Dr. William M. Wheeler.

Various invertebrates from Woods Hole, Mass. Collected by Mr. E. Müller.

Various ants, mollusks and beetles. Collected by Dr. Alexander Ruthven and Mr. Gneomar von Krockow in New Mexico and Arizona.

ACRANIA.

BY GIFT.

G. H. PARKER, Harvard University, Cambridge, Mass.

5 Specimens of *Branchiostoma caribbaeum* from the Bermudas.

REPTILES AND BATRACHIANS.

BY GIFT.

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

1 Terrapin and 2 Lizards from Key Largo, Fla.

Miss ESTHER CARST, New York City.

1 Snake skin.

CENTRAL PARK MENAGERIE, New York City.

1 Rock Python.

JAMES CHAPIN, New York City.

1 *Hyla andersoni* from Lakehurst, N. J.

2 Larvæ of *Hyla andersoni*.

WILLIAM T. DAVIS, New Brighton, Staten Island.

1 *Rana virgatipes* from Lakehurst, N. J.

P. J. EDER, New York City.

11 Snakes from Cale, Colombia.

A. HERMANN, New York City.

2 *Phrynosoma regalis* from Phoenix, Ariz.

GNEOMAR VON KROCKOW, New York City.

1 Lot of young Water-snakes from Saugerties, N. Y.

NEW YORK AQUARIUM, New York City.

1 Soft-shelled Turtle.

DR. ALEXANDER G. RUTHVEN, Ann Arbor, Mich.

1 Leopard Lizard from Utah.

F. A. SCHNEIDER, New York City.

4 Salamanders.

DR. S. C. THOMPSON, San Francisco, Cal.

Various reptiles and batrachians from California.

BY PURCHASE.

4 Lizards from summit of Doros Mountains, Turkey in Asia.

3 Crocodile skulls.

Various reptiles from Venezuela and Dutch Guiana.

THROUGH MUSEUM EXPEDITIONS.

Various batrachians and reptiles from Culebra, Porto Rico. Collected by Dr. William M. Wheeler.

About 1,000 reptiles and batrachians from New Mexico and Arizona.

Collected by Dr. Alexander Ruthven and Mr. Gneomar von Krockow.

FISHES.

BY GIFT.

JAMES CHAPIN, New York City.

1 Menhaden.

WILLIAM CHAPMAN, Albany, N. Y.

5 Specimens of *Cottus icthalops* Raf. from Nipegon River, Canada.

PROF. BASHFORD DEAN, New York City.

Various fishes and fish-eggs from the Sea of Japan.

NEW YORK AQUARIUM, New York City.

24 Fishes from various localities.

1 *Tarpon atlanticus*.

UNITED STATES FISH COMMISSION, Washington, D. C.

1 Lot of California and Argentine fishes, including 12 species.

Maps and Charts—By Gift.

BY PURCHASE.

- 1 Collection of Guatemala fishes from the Motagua River. Collected by Mr. Newton Miller, Indiana University.

BIRDS.

BY PURCHASE.

- 1 *Apteryx mantelli* from New Zealand.

PLANTS.

BY GIFT.

Miss IDA ADAMS, New York City.

Various dried plants.

REV. JOHN T. WILDS, New York City.

1 Specimen of Bird Cherry from eastern Tennessee.

DEPARTMENT OF MAPS AND CHARTS.

BY GIFT.

WILLIAM BEUTENMÜLLER, New York City.

3 Maps and 1 Atlas.

Miss J. BROWN, Brooklyn, N. Y.

90 Maps and 3 Atlases.

DR. H. C. BUMPUS, New Rochelle, N. Y.

1 Map.

CARTAGENA-MAGDALENA RAILROAD COMPANY, Mexico.

2 Maps.

DEPARTMENT OF THE INTERIOR, Dominion of Canada.

3 Maps.

NEW YORK STATE ENGINEER AND SURVEYOR, Albany, N. Y.

1 Map.

F. B. ROSS, Hackensack, N. J.

1 Map.

F. SCHNEIDER, Brooklyn, N. Y.

1 Map.

UNITED STATES COAST AND GEODETIC SURVEY, Washington, D. C.

1 Atlas.

CAPT. B. F. WALLING, "S. S. Alliance."

1 Map.

Miss LUCY A. WOODWARD, New York City.

10 Maps.

BY EXCHANGE.

UNITED STATES GEOLOGICAL SURVEY, Washington, D. C.

33 Maps and 44 Atlases.

NEW JERSEY GEOLOGICAL SURVEY.

3 Maps.

GEOLOGICAL SURVEY OF CANADA.

1 Map.

BY PURCHASE.

UNITED STATES GEOLOGICAL SURVEY, Washington, D. C.

679 Sheets.

LOANS.

NEW YORK ACADEMY OF SCIENCES.

33 Atlases.

INCORPORATION.

AN ACT

TO INCORPORATE THE

AMERICAN MUSEUM OF NATURAL HISTORY,

Passed April 6, 1869.

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.¹

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.

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.*

¹ 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.

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,

FREDERICK W. LOEW,
Register.

[SEAL.]

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.

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.

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.

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*.

Contracts awarded to December 31, 1906.

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

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

Completed January 11, 1907.

For the erection and completion of a New Wing, to be known as the South Wing of the West Façade, and a Permanent Cellar Passageway running therefrom in northerly and easterly direction.

Contract awarded Guidone & Galardi, May 22, 1906, \$325,000.

APPROPRIATION AND EXPENDITURES MADE THEREON
TO DECEMBER 31, 1906.

APPROPRIATION :

By Direct Appropriation.....	\$500,000 00	
Premium on Sale of Bonds.....	3,570 81	
		<u>\$503,570 81</u>

EXPENDITURES:

Museum Orders.....	\$15,077 73	
Carpenters' Payroll, etc.....	16,800 62	
Cady, Berg & See.....	6,935 71	
R. J. F. Gerstle Co.,		
Payments to Dec. 31, 1906....	16,134 70	
Charles Volz, Architect's Fees.	899 31	
Guidone & Galardi,		
Payments to Dec. 31, 1906....	65,000 00	
Charles Volz, Architect's Fees.	9,749 99	
		<u>Total Expenditures to Dec. 31, 1906, \$130,598 06</u>

OUTSTANDING CONTRACTS:

R. J. F. Gerstle Co., balance.....	\$3,703 30	
Charles Volz, balance.....	92 59	
Guidone & Galardi, balance.....	260,000 00	
Charles Volz, balance.....	6,500 01	270,295 90
		<u>400,893 96</u>
Available Balance Dec. 31, 1906.....	\$102,676 85	

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.*
 HUGH AUCHINCLOSS.*
 JOSEPH W. DREXEL.*
 WILLIAM E. DODGE, 1st.*
 JOHN D. WOLFE.*
 ABRAM S. HEWITT.*
 C. VANDERBILT.*
 J. PIERPONT MORGAN.
 CHARLES LANIER.
 D. JACKSON STEWARD.*
 EDWARD CLARK.*
 A. G. PHELPS DODGE.
 JAMES BROWN.*
 A. T. STEWART.*
 S. WHITNEY PHENIX.*
 BENJAMIN H. FIELD.*
 WILLIAM T. BLODGETT.*
 OLIVER HARRIMAN.*
 ROBERT BONNER.*
 JAMES B. COLGATE.*
 ALEXANDER STUART.*
 WILLIAM A. HAINES.*
 BENJAMIN Aymar.*
 RICHARD ARNOLD.*
 JOSEPH H. CHOATE.
 JONATHAN THORNE.*
 Miss PHEBE ANNA THORNE.
 D. O. MILLS.
 JOHN A. C. GRAY.*
 HEBER R. BISHOP.*
 CHAS. G. LONDON.*
 WILLIAM E. DODGE, 2d.*
 PETER COOPER.*
 WILLIAM H. ASPINWALL.*
 B. H. HUTTON.*
 J. TAYLOR JOHNSTON.*

D. N. BARNEY.*
 I. N. PHELPS.*
 JAMES STOKES.*
 D. WILLIS JAMES.
 EDWARD MATTHEWS.
 WILLIAM T. GARNER.*
 JAMES LENOX.*
 A. H. BARNEY.*
 COLEMAN T. ROBINSON.*
 BENJAMIN B. SHERMAN.*
 JAMES R. ELY.
 JONAS G. CLARK.*
 JOHN ANDERSON.*
 JOHN JACOB ASTOR.*
 WILLIAM WALDORF ASTOR.
 CATHERINE L. SPENCER.*
 JAS. GORDON BENNETT.
 CYRUS W. FIELD.*
 ALEX. H. BROWN, M. P.
 J. A. BOSTWICK.*
 FREDERICK BILLINGS.*
 Mrs. ROBERT L. STUART.*
 JESSE SELIGMAN.*
 THEODORE ROOSEVELT.
 OSWALD OTTENDORFER.*
 J. HAMPDEN ROBB.
 J. F. LOUBAT.
 H. J. JEWETT.*
 WM. D. SLOANE.
 D. G. ELLIOT.
 Lieut. G. T. EMMONS, U. S. N.
 C. P. HUNTINGTON.*
 GEO. W. VANDERBILT.
 EDWARD D. ADAMS.
 WILLIAM C. SCHERMERHORN.*
 JOHN J. CROOKE.
 HENRY SELIGMAN.
 RICHARD T. WILSON.
 JOHN E. PARSONS.
 FRANCIS O. MATTHIESSEN.*
 A. J. FORBES-LEITH.
 GEORGE BLISS.*
 M. C. D. BORDEN.
 ARCHIBALD ROGERS.

* Deceased

GEORGE C. COOPER.*
 Mrs. M. SCHUYLER ELLIOT.
 APPLETON STURGIS.*
 THEODORE A. HAVEMEYER.*
 WILLIAM C. WHITNEY.*
 GEORGE G. HAVEN.
 JAMES BAKER SMITH.*
 CYRUS W. FIELD, Jr.*
 JAMES ANGUS.*
 HENRY VILLARD.*
 Dr. WM. PEPPER.*
 AUSTIN CORBIN.*
 ANSON W. HARD.
 GUSTAV E. KISSEL.
 ELBRIDGE T. GERRY.
 Dr. EDGAR A. MEARNs, U. S. A.
 JOHN D. CRIMMINS.
 Mrs. WM. H. OSBORN.*
 HENRY FAIRFIELD OSBORN.
 JONATHAN THORNE.
 VICTOR CORSE THORNE.
 EDWIN THORNE.
 JOEL WOLFE THORNE.
 W. M. DONGAN DE PEYSTER.
 HICKS ARNOLD.*
 J. PIERPONT MORGAN, Jr.
 WM. CHURCH OSBORN.
 ALEXANDER I. COTHEAL.*
 WM. ROCKEFELLER.
 B. T. BABBITT HYDE.
 FREDERICK E. HYDE, Jr.
 L. P. DI CESNOLA.*
 GEORGE DEXTER BRADFORD.*
 HENRY O. HAVEMEYER.
 A. D. JUILLIARD.
 Dr. FREDERICK E. HYDE.
 Mrs. JOHN B. TREVOR.
 WM. SCHAUS.
 JOHN B. MARCOU.
 PHILLIPE MARCOU.
 GEORGE T. BLISS.*
 GEORGE A. HEARN.
 Mrs. MORRIS K. JESUP.

Dr. ELIZABETH M. STURGIS.
 FREDERICK A. CONSTABLE.*
 CHARLES M. JESUP.
 PERCY R. PYNE.
 EDWIN H. WEATHERBEE.
 SUSAN DWIGHT BLISS.
 GEORGE S. BOWDOIN.
 JOHN L. CADWALADER.
 Mrs. C. P. HUNTINGTON.
 ARCHER M. HUNTINGTON.
 GEORGE FOSTER PEABODY.
 JOHN D. ROCKEFELLER.
 JOHN D. ROCKEFELLER, Jr.
 JACOB H. SCHIFF.
 Rev. RODERICK TERRY, D. D.
 JOHN T. TERRY, Jr.
 Mrs. F. F. THOMPSON.
 ANDREW E. DOUGLASS.*
 Very Rev. E. A. HOFFMAN, D. D., LL. D.*
 HAROLD GARRISON VILLARD.
 EDWARD M. SHEPARD.
 LUDWIG MAX GOLDBERGER.
 Mrs. EUGENE A. HOFFMAN.
 JAMES H. HYDE.
 ARTHUR CURTISS JAMES.
 CLEVELAND H. DODGE.
 HENRY W. POOR.
 HENRY CLAY PIERCE.
 CORNELIUS C. CUYLER.
 Mrs. ABRAHAM S. HEWITT.
 Miss MATILDA W. BRUCE.
 HERMON C. LUMPUS.
 ROBERT W. GOELET.
 Mrs. GUY ELLIS BAKER.
 ADRIAN ISELIN, Jr.
 SETH LOW.
 Mrs. FREDERICK A. CONSTABLE.
 ADOLPH LEWISOHN.
 Mrs. WILLIAM E. DODGE.
 J. G. PHELPS STOKES.
 SAMUEL V. HOFFMAN.
 Mrs. FRANK K. STURGIS.

* Deceased.

FELLOWS.

SAMUEL WILLETS.*
 ROBERT GORDON.
 HOWARD POTTER.*
 C. V. S. ROOSEVELT.*
 CHARLES W. GRISWOLD.*
 SAMUEL F. B. MORSE.*
 RUTHERFORD STUYVESANT.
 MEREDITH HOWLAND.*
 MARSHALL O. ROBERTS.*
 JOHN ALSTYNE.*
 O. B. POTTER.*
 Hon. LEVI P. MORTON.
 HANSON K. CORNING.*
 STEWART BROWN.*
 ABRAHAM DUBOIS.*
 TIFFANY & Co.
 LUCIUS TUCKERMAN.
 ALFRED B. DARLING.*
 A. A. LOW.*
 RICHARD MORTIMER, Jr.
 THOS. A. VYSE, Jr.
 GEORGE G. GRAY.*
 GOUVERNEUR KEMBLE.*
 SAMUEL HAWK.*
 JOHN SNEDEN.*
 GEORGE BLISS.*
 R. A. WITTHAUS, M. D.
 THOMAS BARRON.*
 GEORGE W. CASS.*
 CHARLES W. CASS.*
 H. M. SCHIEFFELIN.*
 WILLIAM LIBBEY, Jr.
 ROBERT LENOX KENNEDY.*
 F. R. HALSEY.
 CYRUS W. FIELD, Jr.*
 H. M. FLAGLER.
 D. B. IVISON.*
 H. McK. TWOMBLY.
 HENRY G. MARQUAND.*
 JOHN T. TERRY.

JOSIAH M. FISKE.*
 ELLIOTT F. SHEPARD.*
 JOHN SLOANE.*
 JOHN D. ROCKEFELLER.
 PHILLIPS PHENIX.
 LLOYD PHENIX.
 Mrs. GEO. W. COLLORD.
 Gen. EGBERT L. VIELE, U. S. A.*
 WM. H. HARBECK.*
 DAVID WOLFE BISHOP.
 CORTLANDT FIELD BISHOP.
 WHEATON B. KUNHARDT.
 SAMUEL P. AVERY.*
 JAMES H. JONES.
 JAMES B. HAGGIN.
 Mrs. RICHARD P. DANA.*
 JAMES THOMSON.*
 AYMAR JOHNSON.
 PHILIP SCHUYLER.*
 FRANCIS CHILD NICHOLAS, Ph. D.
 Very Rev. E. A. HOFFMAN, D.D., LL.D.*
 Miss LAURA P. HALSTED.
 ROBERT S. BREWSTER.
 JOHN L. CADWALADER.
 WM. EARL DODGE, 4th.
 WM. LANMAN BULL.
 CHARLES M. JESUP.
 SAMUEL N. HOYT.
 CHARLES T. BARNEY.
 HENRY W. POOR.
 LEWIS S. THOMPSON.
 JAMES C. CARTER.*
 H. B. HOLLINS.
 F. AUGUSTUS SCHERMERHORN.
 Mrs. HARRIET L. SCHUYLER.
 Dr. WILLIAM W. RADLOFF.
 CHARLES D. STICKNEY.
 Mrs. FRANK K. STURGIS.
 Prof. CHAS. F. CHANDLER.

* Deceased.

LIFE MEMBERS.

ERNEST KEMPTON ADAMS.*
 C. R. AGNEW.
 G. B. AGNEW.
 JOHN E. ALEXANDRE.
 Admiral ALEXIEFF.
 RICHARD H. ALLEN.
 BERNARD G. AMEND.
 Mrs. BLANCHE L. ANDREWS.
 CONSTANT A. ANDREWS.
 FRANCIS R. APPLETON.
 Mrs. MARTIN ARCHER-SHEE.
 S. T. ARMSTRONG, M. D.
 B. G. ARNOLD.*
 JOHN JACOB ASTOR.
 J. T. ATTERBURY.
 HUGH D. AUCHINCLOSS.
 SAMUEL P. AVERY.*
 SAMUEL P. AVERY, Jr.
 Mrs. JAMES C. AYER.*
 Miss E. AYMAR.
 JAMES A. BAILEY.*
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Lewisohn, Albert	Macy, George H.	McIntyre, Ewen
Libbey, O. B.	Macy, Wm. H., Jr.	McKelvey, J. J.

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 Tousey, William
 Townsend, David C.
 Townsend, J. Henry
 Tracy, J. Evarts
 Travis, John C.
 Trevor, H. G.
 Trowbridge, Frederick K.
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 Tuckerman, Paul
 Turner, Charles Y.
 Turnure, George E.
 Tuttle, G. M., M. D.
 Twombly, H. McK.

 Ullmann, E. S.
 Ulmann, Rev. Aug.
 Ulmann, Ludwig
 Untermeyer, Isaac

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 Valentine, W. A., M.D.
 Valk, David W.
 Van Brunt, Jeremiah R.
 Van Emburgh, D. B.
 Van Horne, John G.
 Van Ingen, Edward H.
 Van Nest, Mrs. Alex. T.
 Van Norden, Theo. L.
 Van Norden, Warner
 Van Norden, Warner M.
 Van Winkle, Edgar B.
 Veit, Richard C.
 Vermeule, John D.
 Villard, Mrs. Henry
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 Vogel, Herman

 Vogel, H. G.
 Vogelstein, L.
 von Hagen, H. J., Ph.D.
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 Voss, F. G.
 Vredenburg,
 Hon. W. H.
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 Wagner, John
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 Waldo, R. V.
 Wales, Edward H.
 Walker, William I.
 Wall, Mrs. Francis H.
 Wallace, Franklin R.
 Wallach, Leopold
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 Warburg, F. M.
 Warburg, Paul M.
 Ward, Artemas
 Ward, Henry C.
 Ward, John Gilbert
 Wardwell, Wm. T.
 Warner, John De Witt
 Warner, Lucien C.
 Warren, John Hobart
 Warren, Samuel D.
 Washburn, John H.
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 Watson, A. W.
 Watson, Miss Emily A.
 Watson, Rev. J. Henry
 Watt, Thomas L.
 Weatherbee, Mrs. E. H.
 Weber, Dr. Leonard
 Weed, Geo. E.
 Wehrhane, Chas.
 Wehrum, Chas. C.
 Weidenfeld, Camille
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 Weir, Col. John
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 Wellington, A. H.
 Wells, Oliver J.,

- Welsh, Florence M.
Welsh, S. Charles
Wendell, Gordon
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Wentz, James G.
Wessels, A.
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Westinghouse, George
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Weston, Edward
Westover, Myron F.
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Wetmore, Dr. J. McE.
Whearty, Daniel C.
Wheeler, Herbert L.
Wheelock, G. G., M.D.
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White, Miss Caroline
White, Horace
White, John Jay, Jr.
White, Leonard D.
White, W. H., Jr.
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Whiting, Giles
Whitman, Clarence
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Whitney, Edward F.
Whitney, Horace P.
Whitney, H. P.
Whitson, G. S.
- Wicke, William
Wickes, Edward A.
Wickham, Delos O.
Wilbur, M. T.
Wilkins, Frederick H.
Wilkins, H. A. J.
Willcox, David
Williams, Blair S.
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Williams, Mrs. Percy H.
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Willis, W. P.
Wills, Charles T.
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Wilson, George
Wilson, Geo. T.
Wilson, Henry R.
Wilson, M. Orme
Winckelbach, L. O.
Wing, John D.
Winthrop, Egerton L.
Winthrop, Miss Marie
Wisner, Percy
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Wolf, I. S.
Wolfe, Mrs. Anzonetta B
Wolff, Emil
Wolff, Lewis S.
- Wood, Mrs. Cynthia A.
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Wqod, Orrin S.
Wood, Dr. Wm. B.
Wood, Wm. C.
Woodward, James T.
Woodward, Mrs. Wm. Jr.
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Wray, Albert A.
Wray, Miss Julia
Wright, Mrs. J. Hood
Wurts-Dundas, Ralph
Wurzburger, A.
- Yeaman, George H.
Young, Edward L.
Young, E. F. C.
Young, Richard N.
Young, Thomas S.
- Zabriskie, Andrew C.
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Zachry, J. G.
Ziegler, Henry
Zinsser, Aug.
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