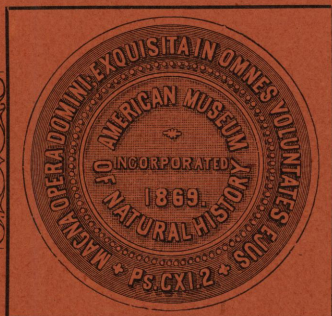


THE
American Museum of Natural History

CENTRAL PARK, NEW YORK CITY.

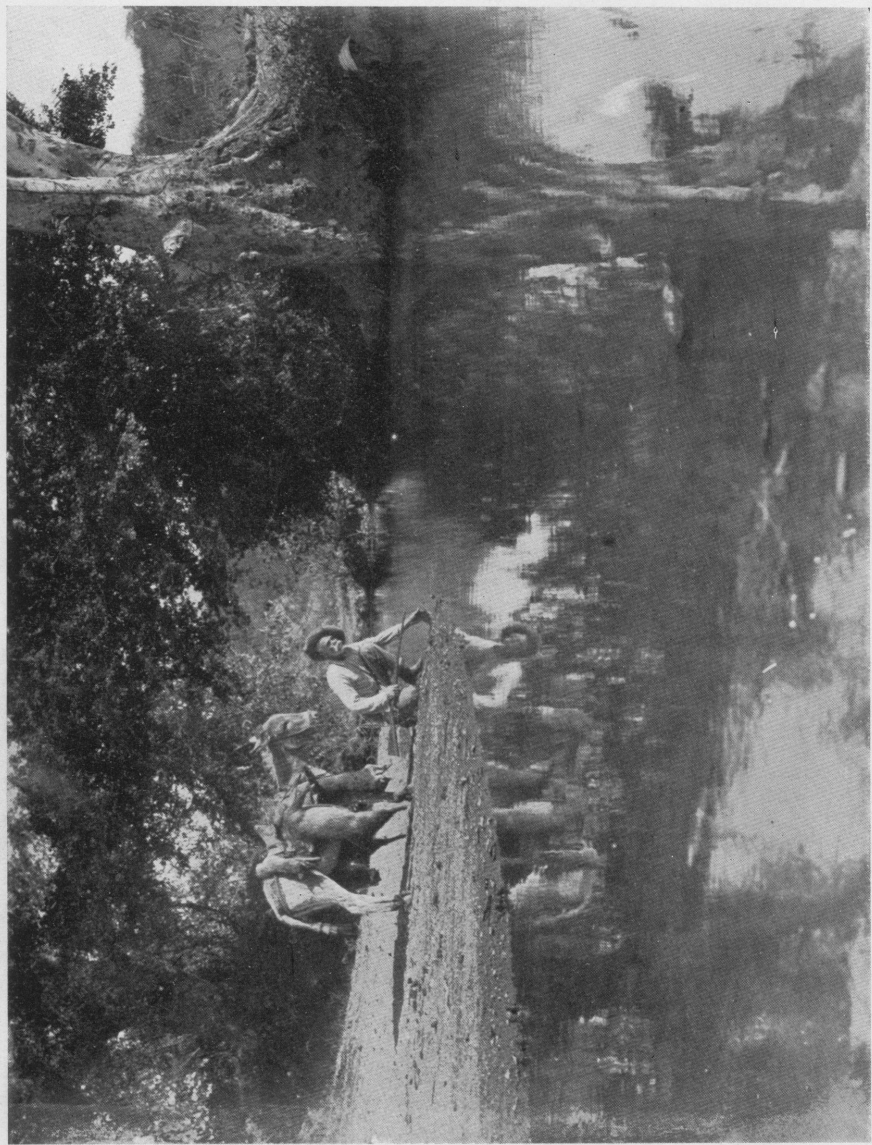
(77th Street and Central Park West.)



ANNUAL REPORT OF THE PRESIDENT,
TREASURER'S REPORT, LIST OF ACCESSIONS,
ACT OF INCORPORATION, CONSTITUTION,
BY-LAWS AND LIST OF MEMBERS
FOR THE YEAR 1903.

PRINTED FOR THE MUSEUM.

THE
AMERICAN MUSEUM OF NATURAL HISTORY.

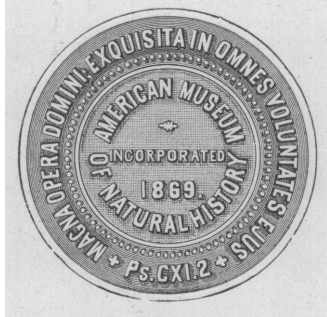


THE MUSEUM ZOÖLOGICAL EXPEDITION IN MEXICO—ESCUINAPA, MEXICO
Mr. J. H. Batty returning from a collecting trip. Some of the animals seen on the donkey are now being mounted at the Museum.

THE
AMERICAN MUSEUM OF NATURAL
HISTORY,

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

ANNUAL REPORT OF THE PRESIDENT,
TREASURER'S REPORT, LIST OF ACCESSIONS,
ACT OF INCORPORATION, CONSTITUTION,
BY-LAWS AND LIST OF MEMBERS
FOR THE YEAR 1903.



NEW YORK:
PRINTED FOR THE MUSEUM.

1904.

IRVING PRESS
225 FOURTH AVENUE
NEW YORK

BOARD OF TRUSTEES,

1904.

MORRIS K. JESUP.

ADRIAN ISELIN.

J. PIERPONT MORGAN.

JOSEPH H. CHOATE.

J. HAMPDEN ROBB,

CHARLES LANIER,

D. O. MILLS.

ALBERT S. BICKMORE.

ARCHIBALD ROGERS.

WILLIAM C. WHITNEY.*

GUSTAV E. KISSEL.

ANSON W. HARD.

WILLIAM ROCKEFELLER.

GEORGE G. HAVEN.

H. O. HAVEMEYER.

A. D. JUILLIARD.

FREDERICK E. HYDE.

PERCY R. PYNE.

HENRY F. OSBORN.

GEORGE S. BOWDOIN.

JAMES H. HYDE.

ARTHUR CURTISS JAMES.

CLEVELAND H. DODGE.

CORNELIUS C. CUYLER.

* Deceased.

OFFICERS AND COMMITTEES

FOR 1904.

President.

MORRIS K. JESUP.

First Vice-President.

J. PIERPONT MORGAN.

Second Vice-President.

HENRY FAIRFIELD OSBORN.

Treasurer.

CHARLES LANIER.

Director.

HERMON C. BUMPUS.

Secretary and Assistant Treasurer.

JOHN H. WINSER.

Executive Committee.

J. HAMPDEN ROBB, *Chairman.*

MORRIS K. JESUP.

PERCY R. PYNE.

J. PIERPONT MORGAN.

H. O. HAVEMEYER.

HENRY F. OSBORN.

ANSON W. HARD.

CHARLES LANIER.

FREDERICK E. HYDE.

Auditing Committee.

ANSON W. HARD.

GUSTAV E. KISSEL.

GEORGE G. HAVEN.

The President *ex-officio.*

Finance Committee.

J. PIERPONT MORGAN.

D. O. MILLS.

CHARLES LANIER.

A. D. JUILLIARD.

The President *ex-officio.*

Nominating Committee.

D. O. MILLS.

WILLIAM ROCKEFELLER.

CLEVELAND H. DODGE.

The President *ex-officio.*

Membership Committee.

PERCY R. PYNE.

ARCHIBALD ROGERS.

ARTHUR CURTISS JAMES.

The President *ex-officio.*

SCIENTIFIC STAFF

FOR 1904.

DIRECTOR.

HERMON C. BUMPUS, Ph.D.

DEPARTMENT OF PUBLIC INSTRUCTION.

Prof. ALBERT S. BICKMORE, Curator.

DEPARTMENT OF GEOLOGY AND INVERTEBRATE PALÆONTOLOGY.

Prof. R. P. WHITFIELD, Curator.

EDMUND OTIS HOVEY, Ph.D., Associate Curator.

DEPARTMENT OF MAMMALOGY AND ORNITHOLOGY.

Prof. J. A. ALLEN, Curator.

FRANK M. CHAPMAN, Associate Curator.

DEPARTMENT OF VERTEBRATE PALÆONTOLOGY.

Prof. HENRY FAIRFIELD OSBORN, Curator.

W. D. MATTHEW, Ph.D., Associate Curator.

O. P. HAY, Ph.D., Associate Curator of Chelonia.

Prof. BASHFORD DEAN, ^{Associate} Curator of Fishes.

DEPARTMENT OF ETHNOLOGY.

Prof. FRANZ BOAS, Curator.

Prof. LIVINGSTON FARRAND, Assistant Curator.

CLARK WISSLER, Ph.D., Assistant.

DEPARTMENT OF ARCHÆOLOGY.

Prof. MARSHALL H. SAVILLE, Curator of Mexican and Central
American Archæology.

HARLAN I. SMITH, Assistant Curator.

GEORGE H. PEPPER, Assistant in Archæology of the Southwest.

DEPARTMENT OF ENTOMOLOGY.

WILLIAM BEUTENMÜLLER, Curator.

DEPARTMENT OF MINERALOGY AND CONCHOLOGY.

L. P. GRATACAP, A.M., Curator.

GEORGE F. KUNZ, Ph.D., Honorary Curator of Gems.

DEPARTMENT OF INVERTEBRATE ZOÖLOGY.

Prof. WILLIAM MORTON WHEELER, Curator.

GEORGE H. SHERWOOD, A.M., Assistant Curator.

Prof. J. E. DUERDEN, Honorary Curator of Cœlenterates.

DEPARTMENT OF PHYSIOLOGY.

Prof. RALPH W. TOWER, Curator.

DEPARTMENT OF PREPARATION AND INSTALLATION.

B. E. DAHLGREN, D.M.D., Curator.

DEPARTMENT OF BOOKS AND PUBLICATIONS.

Prof. RALPH W. TOWER, 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-FIFTH 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 1903.

FINANCES.—In conformity with the recommendations of the Board of Trustees, the financial transactions of the Museum are divided into three separate accounts, and the details of the receipts, expenditures and investments for the year just closed, as embodied in the Treasurer's Report, will be found on pages 37 to 43 inclusive. These accounts and all books and vouchers have been duly examined and certified to by the Audit Company of New York. A few statements may help in making the details of this report clear.

THE PERMANENT ENDOWMENT—four hundred and forty thousand dollars—is far too small to approximate the needs of an institution doing the work that is attempted by the Museum. Although since the last annual meeting five thousand dollars has been added to this fund, the time has certainly arrived when the need of an endowment of at least one million dollars is urgently felt. This urgency is the more pronounced because of our peculiar relations with the City, the appropriations of which cannot be used for the purchase of specimens, for exploring expeditions or for the publication of scientific results.

SPECIAL FUNDS.—The Assistant Treasurer has continued to act as Treasurer of the Eastern Asiatic Research Fund and of the Andrew J. Stone Expedition Fund. Both of these funds, as originally provided, will soon be exhausted. The results of Dr. Laufer's explorations in China and the interest that several friends of the Museum have taken in him and his work are such as to encourage the belief that these researches will not be suspended. Mr. Stone's work among the arctic mammals of Alaska and British Columbia has

yielded substantial results, of importance far beyond our original expectation. But all of the scientific problems of the arctic are by no means solved; there remain other areas, the zoölogical, geographical and geological survey of which would well repay the investment of future appropriations.

CITY MAINTENANCE ACCOUNT.—The amount received from the City for the maintenance of the Museum (\$160,000) has remained the same as in 1902. While this is indeed a generous appropriation from the City, and is itself a substantial indication of the value that the City authorities place upon the work of the Museum, the amount is in reality too small to meet our running expenses and should be increased. For many years the Trustees have been obliged to make up deficiencies on this account, and the year 1903 has proved no exception, several members of the Board subscribing to a deficit of more than seven thousand dollars.

GENERAL ACCOUNT.—This is the account that reveals our regular sources of income and our regular expenditures for the development of the collections of the Museum at large, and it is by the examination from year to year of the receipts and expenditures as arranged under this account that one can most easily follow our general growth. The friends of the Museum are invited especially to subscribe to this general fund.

The year 1903, when compared with 1902, shows a small increase in our income from invested funds, an increase of \$1,300 in receipts from Life Members, and of \$1,490 in our receipts from Annual Members. Contributions by the Trustees make the total receipts on this account, \$78,050.30, which is approximately \$13,000 more than in 1902.

ENDOWMENT AND INVESTMENT ACCOUNT.—Friends of the Museum have often advanced the work of some particular Museum department because of their own interest in some branch of natural science, some special collection, or some particular country or locality. The sums of money thus contributed are kept apart, and an annual statement is published as the "Endowment and Investment Account." A report is also made, in the appropriate department, of the success of

field expeditions, of the value of collections or of the scientific results that have attended research.

THE BUILDING APPROPRIATIONS.—The construction on the appropriation of \$200,000 made by the City of New York, and mentioned in the Report of 1902, has progressed as rapidly as could be expected. The walls for the new power wing have been erected, the boilers installed, and the roof is in process of construction.

For several years the old lecture hall, near the main entrance, has been dismantled, and the condition of the basement grade has been such as to cause great inconvenience. Moreover, the above-mentioned appropriation for the new power plant was not sufficient to provide an adequate approach. These conditions led to our requesting the Board of Estimate and Apportionment for \$188,000, and on June 16, 1903, an ordinance was passed authorizing the expenditure of this amount. Under this appropriation work has already been started, and it is hoped that an attractive entrance hall will soon take the place of the present uninviting approach.

Early in the fall the Hon. William R. Willcox, acting as President of the Department of Parks, contracted for the grading of that portion of Manhattan Square lying to the north of the present building. The work is now well under way, although temporarily suspended because of the severity of the weather. The Park Board has wisely arranged the grades and walks of this new work so as to conform to the original plans of the Museum and to give a sightly appearance to the Square as a whole as section after section may be added to the present building.

MEMBERSHIP.—The Museum has gained 214 new annual members and has lost 67 members through death and resignation, leaving a net increase of 147. The income from membership fees is used for the purchase of collections and for the development of the educational work of the Museum. We wish to have our membership list increased, and we cordially invite those who are interested in our general work to unite with us.

The following have been elected Patrons:

MESSRS. LUDWIG MAX GOLD-	JAMES H. HYDE,
BERGER,	ARTHUR CURTISS JAMES,
CLEVELAND H. DODGE,	HENRY W. POOR,
HENRY CLAY PIERCE,	CORNELIUS C. CUYLER, and
MRS. EUGENE AUGUSTUS HOFFMAN	

The following have been elected Fellows:

MESSRS. SAMUEL N. HOYT,	CHARLES T. BARNEY,
HENRY W. POOR,	LEWIS S. THOMPSON,
JAMES C. CARTER,	H. B. HOLLINS,
F. AUGUSTUS SCHERMERHORN, and MRS. HARRIET L. SCHUYLER	

The following have been made Life Members:

MESSRS. HUGH D. AUCHINCLOSS,	JOHN S. BARNES,
DENNISTOUN M. BELL,	R. L. BURTON,
CHARLES D. CLEVELAND,	EDMUND W. DAVIS,
CHARLES S. DAVISON,	MADISON GRANT,
S. R. GUGGENHEIM,	DANIEL GUGGENHEIM,
BERNARD LOTH,	FRANCIS B. HARRISON,
EMERSON McMILLIN,	CLARENCE H. MACKAY,
LOUIS MARSHALL,	WALTER E. MAYNARD,
HENRY CLAY PIERCE,	WILLIAM R. SCHMELZEL,
GEORGE L. STEBBINS,	NICOLAS SOKOLNIKOFF,
A. B. TOWNSEND,	W. A. WADSWORTH,
CHARLES E. WHITEHEAD,	HOWARD WILLETS,
JOHN E. BERWIND,	HENRY FERGUSON,
THOMAS POTTS,	WILLIAM P. ENO,
ALFRED W. HOYT,	GEORGE E. DUNSCOMBE,
JAMES MORRIS,	MORTON R. NICHOLS,
WILLIAM R. SANDS,	GEN. J. WATTS DE PEYSTER,
MISS JULIETTE A. OWEN,	MISS MARY M. BILLINGS,
MISS CORA F. BARNES,	MRS. J. W. MINTURN,
MRS. GEORGE H. CHATILLON,	DR. FREDERIC G. GOODRIDGE,
DR. GEORGE W. MILLER,	DR. LEWIS R. MORRIS,
DR. HENRY C. ENO and DAVIES COX, M.D.	

Never before has it been my sad duty to record the loss to the Museum through death of so many of its active supporters.

DECEASED MEMBERS.

Trustees.

ABRAM S. HEWITT, WILLIAM E. DODGE,
ANDREW H. GREEN.

Patrons.

JAMES ANGUS, HICKS ARNOLD,
WM. C. SCHERMERHORN.

Fellows.

D. B. IVISON.

Life Members.

GEORGE H. BROWN,	ALFRED M. HOYT,
PETER MARIE,	ALBERT MATHEWS,
THOMAS B. MUSGRAVE,	SAMUEL THOMAS,
CHARLES E. WHITEHEAD,	ROBERT R. WILLETS.

Annual Members.

ANDERSON, E. ELLERY	LATHERS, RICHARD
ANGUS, JAMES	LOEB, S.
BLISS, E. W.	McKEE, RUSSELL W.
BROOKFIELD, WILLIAM	PACKARD, MRS. S. S.
CAVAGNARO, JOHN	PARK, JOSEPH
CHATILLON, GEORGE H.	REILLY, JAMES
CRANFORD, J. P.	RUNYON, CHARLES
DWIGHT, JOHN	SCHRADER, JOHN C.
FISCHER, B.	SCREVEN, JOHN H.
GIBBS, FREDERICK S.	STEERS, HENRY
GRACIE, J. K.	STICKNEY, JOSEPH
GURNEE, W. S.	THOMAS, T. GAILLARD, M. D.
HARRIS, DWIGHT M.	VAN BRUNT, CORNELIUS
HEIMERDINGER, J. E.	VAN VLECK, JOSEPH
HOYT, DR. EZRA P.	WILLIAMS, GEORGE G.
JENKINS. WM. L.	WILSON, JOHN

DEPARTMENT OF GEOLOGY AND INVERTEBRATE PALEONTOLOGY.—Although the collections of fossil vertebrates are now so complete that large purchases of new material are not often necessary, the possession of such collections carries with it many scientific obligations, and on no department of the Museum are there more frequent calls for scientific data or expert advice. ✓ ✓

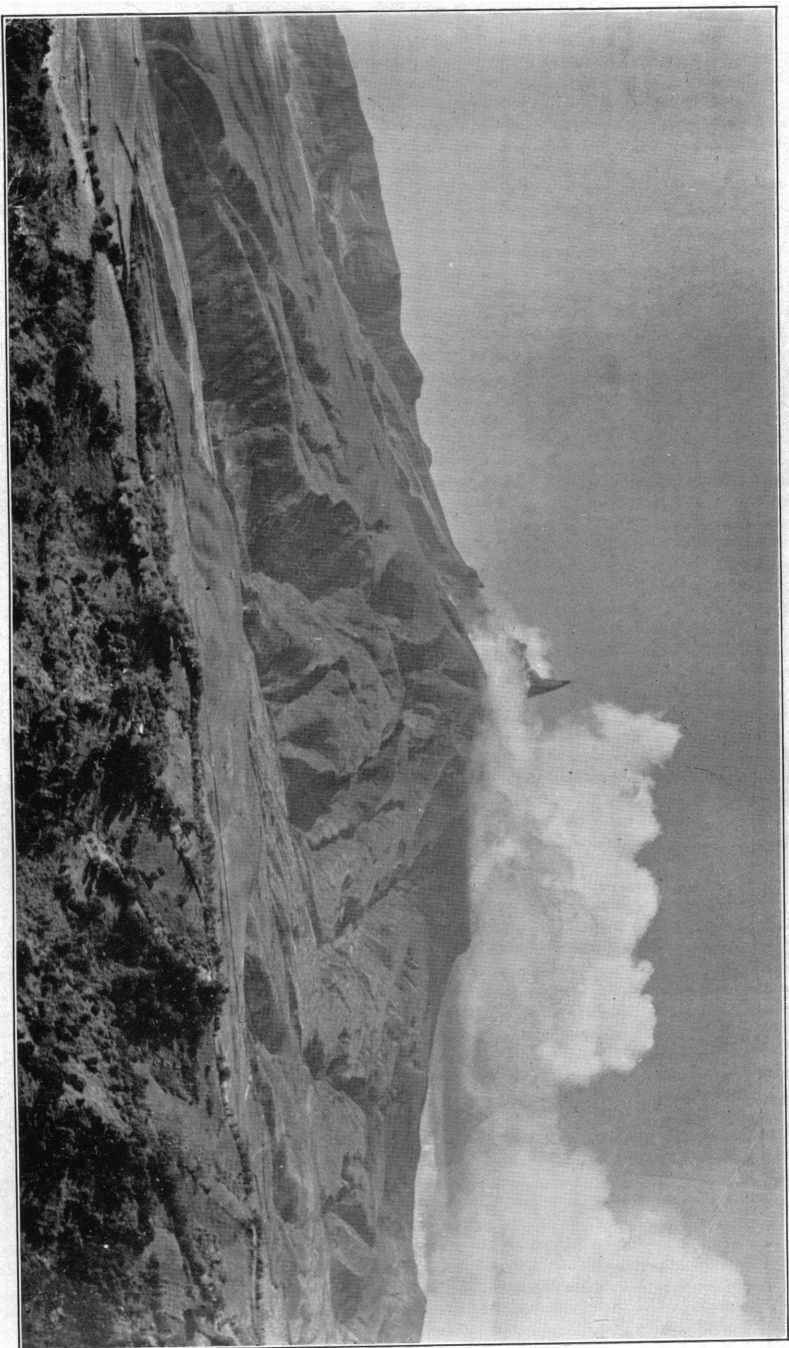
The Associate Curator made his second trip to the West Indies early in the year, investigating the volcanic phenomena that have followed the disturbances of 1902, and has prepared and carefully illustrated the work that the Museum has thus far accomplished in Martinique and other islands of the Lesser Antilles.

In August Dr. Hovey represented the Museum at the International Congress of Geologists held in Vienna; and in December he attended the conference of the Geological Society of America, held at St. Louis. At both these places he delivered papers bearing upon the work of the Museum.

DEPARTMENT OF MAMMALOGY AND ORNITHOLOGY.—During the past year no department has more affected the general appearance of our exhibition halls than this. Early in the year the Shore Bird group was completed. It has been admired by thousands. Then followed the splendid group of Osborn Caribou, the White-fronted Musk-ox and the Sitka Deer. A small group illustrating the geographical variation of the Song Sparrow has excited considerable comment, and our illustrations of the mounted specimens of the Long-tailed Fowl have been extensively copied in various European journals.

From time to time the osteologist has added to the collection of skulls and antlers. These have been placed on panels in the corridors and exhibition halls. Those illustrating four species of Caribou, and the Black-tailed and Virginia Deer are noteworthy.

Several friends have united in the support of the work of this department. Mr. William F. Whitehouse has contributed a series of mammal skins from Abyssinia, and Messrs. Grant and Moore, several skins of the Mountain Caribou, Mountain



THE MUSEUM GEOLOGICAL EXPEDITION—MARTINIQUE
The picture shows the "Spine" of Mont Pelé, a pointed mass of rock which was thrust upward in 1902 from the crater to an elevation of over 1,100 feet, and then in a few weeks disintegrated and fell apart.

Goat, Black-tailed Deer, etc., from the Selkirks. The third year of the Andrew J. Stone Expedition has resulted in the capture of a splendid series of Bear, Sheep and Moose, not to mention more than eight hundred small mammals and several hundred birds.

An examination of the list of accessions in another part of this report will reveal our continued obligation to the New York Zoölogical Society and to the Menagerie of Central Park.

The Museum's expedition in Mexico, under Mr. J. H. Batty, has yielded most satisfactory results, and the funds made available, largely through the instrumentality of Mr. John L. Cadwalader, for the increase in the number of our bird groups, have made it possible for Mr. Chapman to spend considerable time in the field, collecting material, photographs, etc., for new groups, many of which are already well under way.

Our purchases have been noteworthy. They include the small but most interesting Collection of mammals and birds from Merida, Venezuela, and the Sennett Collection of birds (numbering nearly eight thousand specimens) from Texas and northeastern Mexico. The deposit by Dr. Jonathan Dwight, of about eight thousand specimens of North American birds, with full scientific data, materially adds to the resources of the Museum.

The Curator, Professor J. A. Allen, has completed and published a report on the Siberian mammals collected on the Jesup North Pacific Expedition; he has devoted much time to editorial work on the Museum *Bulletin*, prepared a paper describing several Patagonian rodents, written a report on the collection of mammals made by the Stone Expedition in 1902 and another report on Mr. Batty's Durango collection. He has prepared papers on other collections made by Mr. Batty; on the Carriker collection of mammals from Costa Rica, and the Colburn collection of mammals from the State of Vera Cruz, Mexico.

Mr. Chapman, besides his field work, has given much time to the general rearrangement of the study collections, made possible by the abolition of the Department of Taxidermy; and as a lecturer he has given freely of his time to the many

demands made by the Museum in connection with its educational work.

The number of mammals received during the year was 1,939; the number of bird skins was 10,237.

DEPARTMENT OF MINERALOGY AND CONCHOLOGY.—The splendid collection of minerals, one of the foremost in the world, and the extensive collection of shells, now the property of the Museum, are of such scientific completeness that large accessions of new material are simply impossible. Growth in this department must be slow, but our prestige can be maintained only by our taking advantage of every opportunity to improve and complete.

An examination of the list of accessions will show what new material has been added. Upon this list, as in previous years, we note the names of Miss Matilda W. Bruce, Mr. E. Schernikow, Mrs. Ida S. Öldroyd and Mr. F. A. Constable.

More than ever before the collections have been of scientific use, and during the summer Drs. Baskerville and Kunz examined practically every specimen in the entire collection while carrying on their investigations upon the reactions of minerals to radium, the X-rays and the ultra-violet rays. The expense of these experiments was largely borne by Mr. Edward D. Adams, whose gifts of valuable specimens of radium have kept the Museum in the front rank of those institutions which have been identified with experiments upon various radioactive agents.

DEPARTMENT OF VERTEBRATE PALÆONTOLOGY.—The chief event of the year in this department was the establishment of a Division of Fossil Fishes, of which Professor Bashford Dean was appointed Honorary Curator. The agreement of Columbia University to deposit the Newberry Collection in the Museum results in a combination of collections of fossil fishes most advantageous to the Museum, the University and students of fossil ichthyology alike.

The total collection of fossil vertebrates now numbers 14,420 specimens, including the results of the following expeditions during the summer of 1903:

Whitney expedition for fossil horses.....	36
Bridger expedition for Lower Eocene mammals.....	427
Continued excavation of Bone Cabin Quarry.....	110
Expeditions for Cretaceous Plesiosaurs and Mosasaurs.....	345
Exploration of Pleistocene cave deposit.....	243

Evolution of the Horse.—This is the third and last year of the important explorations with reference to the evolution of the horse, based on the original gift of \$15,000 by the late William C. Whitney. Altogether we have secured through these three expeditions 146 fossil horses, or 418 specimens of vertebrates altogether, including some such superb types as the Texas Glyptodon, the skulls of Mastodons, and the ancestral deer-antelope, *Merycodus*. The exhibition of the horse series has been enriched this year by adding the beautiful skeleton of *Neohipparion whitneyi* and *Mesohippus bairdii*. Casts of the specimens of fossil horses have been distributed to a large number of institutions, and the exhibition of the evolution of the horse is most popular. Researches for the monograph on the evolution of the horse are being carried on by Professor Osborn and Mr. J. W. Gidley. Some of the new osteological preparations by Mr. S. H. Chubb should be mentioned, especially a series of preparations of skulls and teeth, and of the complete skeleton of the draught horse in action.

The Bridger expedition was especially successful in demonstrating the existence of the armadillo in North America at a very early period, and in securing the complete skeleton of a fossil monkey. From the Cretaceous our series of marine reptiles or Mosasaur and Plesiosaur skeletons was greatly extended. From the Bone Cabin Quarry we were fortunate in adding to our collection of Dinosaur skulls. These are among the greatest rarities in the Museum.

The exhibition hall of fossil mammals has been completely re-arranged in a series of alcoves, each of which illustrates the evolution and distribution of a single group. This is found to greatly enhance the educational value of the exhibition.

Specimens from the Pampean Collection are beginning to find their way into the hall. In order to facilitate the prepara-

tion of this particular collection, a special subscription of \$1,200 by Messrs. James, Havemeyer, Dodge and Osborn was contributed. The fine Sabre-tooth Tiger skeleton has been mounted with this fund, and one of the large sloths is almost ready for mounting.

The hall has also been enriched by a number of additions to Knight's series of restorations of the extinct animals of North America, presented by Mr. J. Pierpont Morgan. Each restoration is now accompanied by a model; and the reproductions of both the models and the pictures are spreading the reputation of the Museum abroad and in this country.

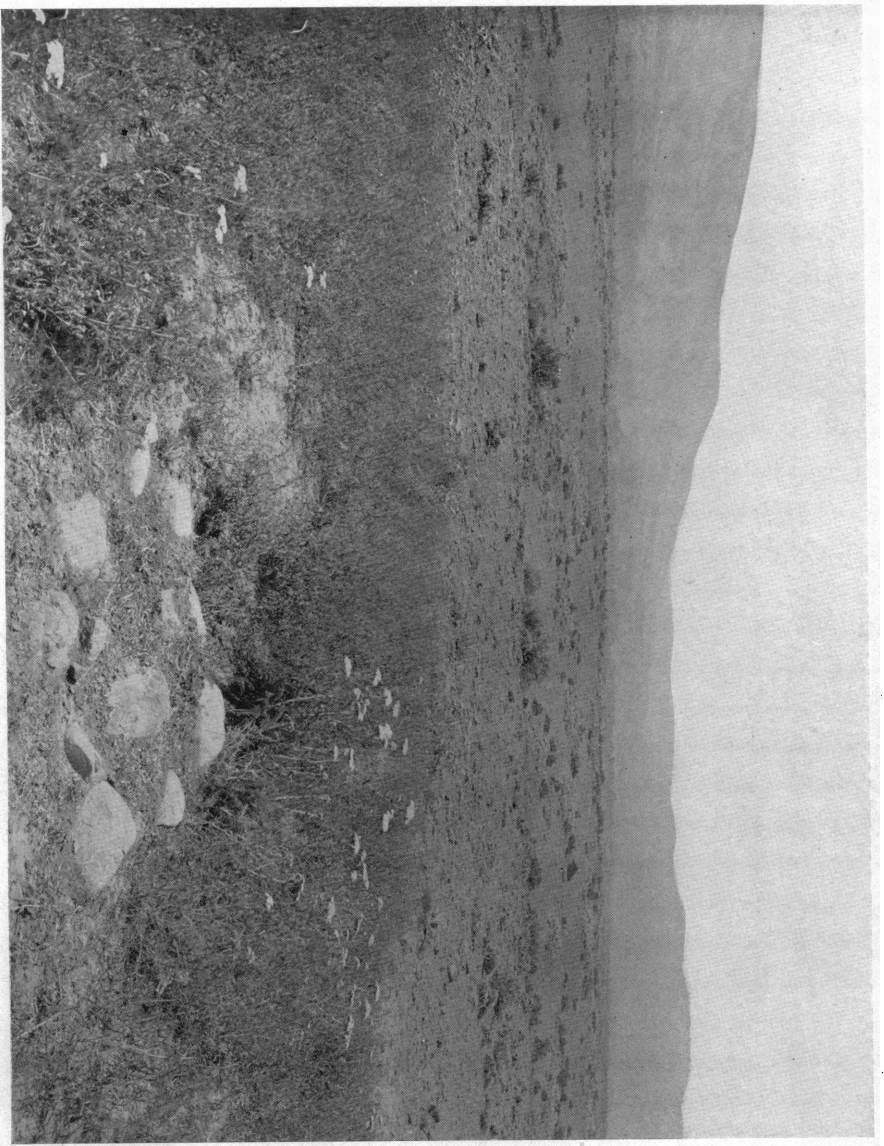
We are indebted to Mr. Morgan also for the gift of the skull of the rare white rhinoceros.

Through exchange several casts have been received from Yale University Museum, and foot-tracks from the Middle Triassic, through Mr. Gordon.

The increasing scientific value of the collection is indicated by the increasing number of scientific visitors and of special students. A large number of scientific papers has been published by various members of the department.

Dr. O. P. Hay has been honored by a grant from the Carnegie Institution, enabling him to devote all his time to researches upon the evolution of the Testudinata. In return for the special privileges extended to Dr. Hay, the Institution has given him a special grant, so that our entire collection of Testudinata is now being prepared and will shortly be rearranged. In connection with this work for the Museum, Dr. Hay has received the title of Associate Curator in charge of Chelonia.

DEPARTMENT OF ARCHÆOLOGY.—With the beginning of the college year, Mr. Saville, the acting head of this department, accepted an appointment at Columbia University as Loubat Professor of American Archæology, his time and attendance at the Museum being so adjusted as to enable him to assume the new obligations incident to this appointment. In June, as a representative of the Museum, he went to Mexico and arranged for important exchanges with the authorities of the National



THE JESUP ARCHEOLOGICAL EXPEDITION—COLUMBIA RIVER, WASHINGTON
A characteristic view in the valley of the Yakima. In the distance are the foot-hills of the Cascade range. The loose stones in the foreground mark an Indian grave.

Museum, secured data bearing upon Mexican archæology, and re-examined the Ruins of Monte Alban.

The collections in the Loubat Hall have been arranged so as to show the geographical sequence of the several special culture areas of the ancient people of Mexico and Central America and the progress made by the various prehistoric nations. This has necessitated the provision of several new cases and the printing of a large number of descriptive labels. A guide to the hall is in process of preparation.

The general exhibits of the archæology of the United States have been enlarged through the material collected in the valley of the Columbia by Mr. Harlan I. Smith, and by minor additions, as will be noted by referring to the list of accessions. The preparation of a series of relief maps, illustrating the work of the ancient Mound Builders, has received considerable attention, and an exhibit, illustrative of the customs of the Atlantic Coast Indians, has been installed.

The return of Mr. A. F. Bandelier, after an absence of eleven years in Peru and Bolivia, has awakened interest in the Museum's large collection of archæological specimens from South America. Mr. Bandelier, assisted by Mrs. Bandelier, has undertaken the re-examination and rearrangement of all the material exhibited in the Peruvian gallery, and has added to the Museum's records scientific data, historical matter and incidental information, which greatly enhance their value.

Mr. C. W. Mead has selected a series from the South American collections to illustrate the use of musical instruments by the Incas, and has written a very creditable guide leaflet on this subject.

In May, Dr. Aleš Hrdlička, who, through the liberality of the Messrs. Hyde, has for several years been attached to the Museum, received an appointment at the National Museum, Washington. While his departure from New York leaves a distinct vacancy in our scientific ranks, which may retard the development of the Museum's contemplated work in Physical Anthropology for a while, we are glad that the toil of one of our scientific men has received such prompt acknowledgment, and we wish him every success in his new undertaking.

Through the continued generosity of Dr. Frederick E. Hyde, Mr. Volk has gathered and finally arranged the vast quantity of material bearing upon the early appearance of man in the Trenton Gravel, and it is probable that this work, which was begun several years ago and has been carried on with the utmost patience and care, will soon be finished, the material installed and the results ready for publication.

Mr. George H. Pepper, in charge of the archæological and certain phases of the ethnological work in the southwest, has assiduously cared for the instructive display of the material in the exhibition halls; and through his work among the Indians during the past summer has brought to the Museum collections of pottery, blankets, photographs, etc., supplementing and enlarging the collections which were already in our possession, and largely the gift of Mr. B. Talbot B. Hyde and Frederick E. Hyde, Jr.

In concluding this the tenth report of this department, and in view of the appointment of its former curator, Professor F. W. Putnam, to a position in many respects of greater responsibility—viz., that of Director of the Department of Anthropology at the University of California—it is fitting that we should outline briefly the development at the American Museum of those departments which have been instituted under his advice and the administration of which has been assigned to his direction:

Professor Putnam was appointed Curator of Anthropology in the spring of 1894. At that time the exhibition of the collections relating to Man was confined to what is now the "Shell Hall," on the fifth floor, and the western half of the "Bird Gallery" on the third floor. There had been no systematic explorations, no scientific publications, and the head of the department had but a single assistant. Within these ten years the department has grown until, at the present time, the collections occupy eight large exhibition halls and twelve storage rooms. Explorations have been made throughout America and parts of Asia, the scientific publications fill a score of volumes, and the present department staff includes no less

than seven men of recognized scientific attainments. The Museum has lost a valuable aid from the scientific staff and a good friend and companion.

DEPARTMENT OF ETHNOLOGY.—The department has received notable accessions during the year, both from Museum expeditions and by exchange. The following deserve especial mention: From North America, the Kwakiutl collection obtained by Mr. Hunt, the Blackfoot, Gros Ventres and Sioux collection by Dr. Wissler, the Ojibwa by Mr. Jones, a collection illustrating Maidu ceremonials by Dr. Dixon, the Lower Thompson by Mr. Teit, a small collection from southern California by Miss DuBois and one from Oaxaca by Mr. Saville.

By arrangement with the Bureau of Missions, an interesting collection of African material from Angola and the Congo, made by Rev. Frank T. Lea, has been deposited with the Museum.

The Chinese collections by Dr. Laufer, made under the auspices of the East Asiatic Committee, have been largely increased by various shipments.

An especially valuable collection from central Australia has been obtained by exchange from the National Museum at Melbourne, Victoria.

The above, all except the Chinese and African collections, are installed, and on exhibition. The extensive material from Siberia, obtained by Messrs. Bogoras and Jochelson for the Jesup North Pacific Expedition, was placed in the Siberian Hall on the ground floor and opened to the public in September. The Demuth collection of pipes, with accessions received during the year, has been placed in the west wing on the second floor.

The Chinese collection has been placed temporarily in the cases in the corner gallery of the west wing, and is now in process of permanent installation.

Much attention has also been given to the preparation of models and figures illustrative of the life of the tribes of Siberia and of North America. Several of these groups are now ready for exhibition.

The Huntington California Expedition was continued during the summer by Dr. Dixon assisted by Mr. Howard B. Wilson. Mr. Wilson was attacked by typhoid fever shortly after reaching the field, and, when apparently convalescent, suffered a relapse and died. Mr. Wilson was a recent graduate of Harvard University, and had already shown marked promise as a worker in anthropology. His death is a loss both to the Museum and to science. Dr. Dixon continued his researches on the Maidu, Pit River and Shasta Indians, and brought back a mass of valuable information and specimens. It is gratifying to note that the scientific results of the Huntington Expedition are attracting wide and increasing interest among ethnologists.

North American Research.—Dr. Wissler proceeded in the spring of 1903 to Montana and Canada to continue his work among the Sioux, Gros Ventres and Blackfeet. He spent the summer among these Indians, and was again notably successful, his collection illustrative of the development of decorative art throwing much light upon a problem to which the department has given particular attention during recent years.

Mr. William Jones visited the Ojibwa of Canada, the Menominee and the Sauk and Fox, and made extensive collections both of material and information.

Both Dr. Wissler's and Mr. Jones's expeditions were conducted in coöperation with the Royal Ethnographical Museum of Berlin.

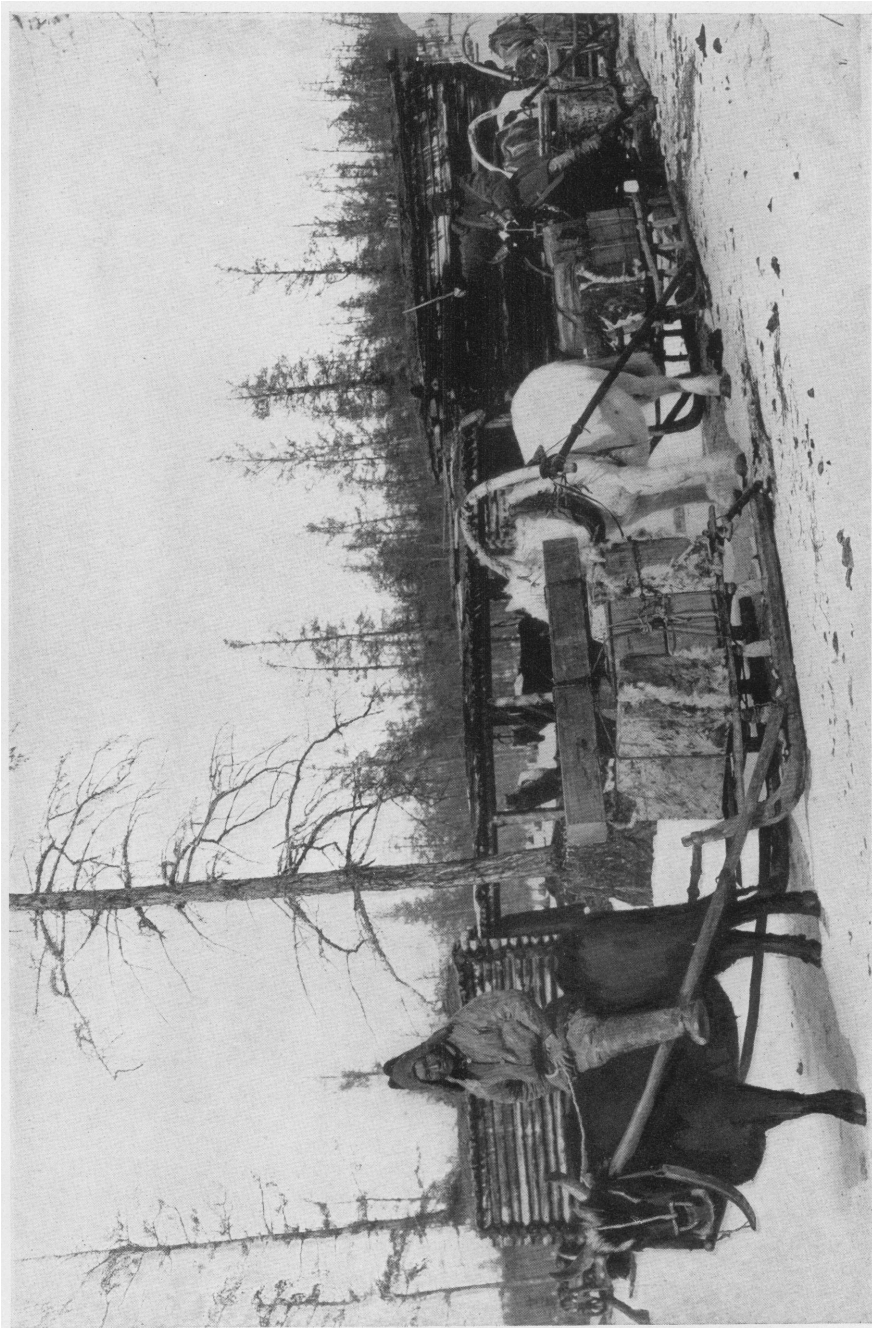
Mr. James Teit has continued his work among the tribes of the Lower Fraser and the Upper Thompson and Nicola Valleys.

Miss Constance Goddard DuBois visited the Diegueno of southern California, and obtained information with regard to their ceremonials and also a small collection of material for exhibition.

Rev. J. W. Chapman has been continuing his work for the Museum among the Indians of the Lower Yukon in Alaska.

Mr. Henry W. Tate is furnishing material for the department from the Tsimshian Indians of the North Pacific coast.

In the course of an expedition which he is conducting for the United States government, Dr. John R. Swanton has



THE JESUP NORTH PACIFIC EXPEDITION—SIBERIA
The illustration shows the method of transporting the Yakut collection across eastern Siberia. This collection is now on exhibition at the Museum.

undertaken to obtain additional information regarding Alaskan material now in the Museum.

Mr. Casper Mayer visited the Indian Congress on Long Island during the summer and succeeded in obtaining 33 casts of Indians, chiefly Sioux.

Capt. George N. Comer and Capt. James S. Mutch are in the Arctic, and are continuing their collections under the direction of the department.

Expedition in China.—During the past year Dr. Laufer has been actively pushing the work in China, carried on under the auspices of the East Asiatic Committee. Very extensive collections, referring particularly to the industrial life of the Chinese, have been received by the Museum. Dr. Laufer is expected to return to New York during the spring of 1904, and will give his personal attention to the installation of these collections.

From the *Jesup North Pacific Expedition*, the first Memoir by Mr. Bogoras on the Chukchee is now in press and will appear shortly. Mr. Bogoras is now in Europe and at work on the second part of his studies on the Chukchee, a large portion having been already completed. Mr. Jochelson has finished his first Memoir on the Koryak, and it will go to press in the near future, and Dr. Swanton has completed a lengthy Memoir on the Haida Indians, which is now ready for publication.

Although it will take some time to work up scientifically all the material that has come to the Museum as the result of this expedition, the demonstration of a close relationship existing between certain tribes of eastern Siberia and the aborigines of our own country is one of the results that it was originally hoped might come from this work.

Dr. Farrand is editing Mr. Teit's notes on the mythology of British Columbia, and it is expected that the work will be ready for the press during the first half of 1904.

Dr. Dixon has practically completed an exhaustive paper on the ethnology of the Maidu Indians of California.

Dr. Wissler has been engaged in revising his notes on the decorative art of the Sioux, in the light of information obtained by him during the summer.

Dr. A. L. Kroeber, of the University of California, is at work upon a detailed account of Arapaho ceremonials, based upon materials collected by him for the Museum.

Mr. William Jones has completed a paper upon the language of the Sauk and Fox, also based upon information collected in the course of Museum expeditions.

Lectures.—Professors Boas and Farrand have conducted a course of lectures on general ethnography for students of Columbia University, in the lecture room of the Museum, using the collections for purposes of illustration.

Dr. Wissler, assisted by Mr. Lewis, has given a course of lectures on primitive industries in connection with the extension work of Teachers College. This course has also been given at the Museum, and is based entirely upon the demonstration of specimens. Dr. Farrand will conduct a similar course during the summer of 1904, and it is hoped that work of this character will develop rapidly in the future.

DEPARTMENT OF ENTOMOLOGY.—After considerable time spent in arranging the collections, the new hall of this department (the gallery floor of the east wing) was opened on March 8, when the entire collection of butterflies, donated by the late Very Reverend Eugene A. Hoffman, was placed on exhibition for the first time. This donation consists of about five thousand specimens of *Lepidoptera*, arranged in fifteen cases on the east and the south side, and the local collection transferred from the old building to the new hall, occupying the rail cases. Excellent exhibition space has been given to specimens of insect architecture and to the Jesup collection of insects injurious to forest trees. Much time has been spent in the regular routine work of the department. The sets of insects for the use of schools have been in circulation, and many specimens from our study collections have been used by visiting scientists.

Among the notable additions to the department is a collection of over eight thousand *Diptera*, containing more than one thousand species and one hundred and seventy types, given by

Dr. William Morton Wheeler. This gift raises our collection of *Diptera* to the first rank of scientific importance.

A valuable collection of Gall Insects (*Cynipidae*), containing several thousand specimens and many types, has been donated by Mrs. Margaret Bassett.

Mr. Samuel V. Hoffman has generously continued the work begun by his father in the Black Mountains and made it possible for the Curator to spend seven weeks in this region, extending the work commenced in 1900. Mr. Hoffman has contributed also towards the purchase of *Lepidoptera*.

Mr. Beutenmüller's publications are referred to in another part of this report.

DEPARTMENT OF INVERTEBRATE ZOÖLOGY.—During the past year all the material in the department has been thoroughly overhauled, classified and catalogued, and duplicate specimens set aside for exchange and for the use of the public schools. Considerable progress has been made in the installation of specimens for exhibition. Thirty compound microscopes are mounted in the cases so as to show typical forms of the Protozoa, which are too small to be seen by the naked eye. For the material used in this exhibit the Museum is indebted to Professor Gary N. Calkins. Dr. Dahlgren has prepared a number of beautiful models of Radiolarians, Foraminifera, Planarians, Nemerteans, Hydroids, and of the Oyster and Quahog Clam. Many of the specimens in the fine collection of Japanese glass-rope sponges, secured for the Museum by Professor Bashford Dean, have been bleached and mounted. A fine large specimen of the Giant Spider Crab of Japan has been mounted and placed on the south wall of the Synoptic Hall. Small biological collections, representing geographical variation, gynandromorphism and the life-history of the boll-weevil, have been put on exhibition, and others are in course of preparation.

The following donations to the department are especially noteworthy: The department has acquired a specimen of a very rare Selachian, taken at a depth of five hundred fathoms in the Japan Sea. Four specimens of a rare form of some

of the corals were donated by Professor Whitfield. Through Commissioner George M. Bowers, a number of Hawaiian fishes were received, and Dr. Joseph Thompson, U. S. N., donated a collection of fishes from Dry Tortugas. The New York Zoölogical Society donated several fine specimens of snakes, which have been mounted for exhibition. From Dr. C. H. Eigenmann were received representatives of all but one of the species of cave vertebrates of the United States. Several insect preparations, representing metamorphoses, and typical forms for the synoptic collection, were purchased from the Kny-Scheerer Co. A fine collection of different species of mosquitoes, with their larvæ and pupæ, was purchased as a preliminary step toward installing a collection to illustrate the origin of malaria.

By far the most important work entrusted to and accomplished by the department was that of Mr. Sherwood, who has succeeded in putting the relations of the Museum to the public schools of the city on a firm scientific and pedagogical basis. The collections of specimens and the careful outlines of hints for the teachers in their use of the collections are an enormous advance on all former attempts of the Museum in this direction. To this fact the appreciation of the teachers is an eloquent witness. From all parts of the city have been received numerous requests from teachers for material to aid them in their nature-study work.

To meet these requests we have made up from our duplicate specimens study collections of invertebrates and birds, which are loaned for short periods to any school in the city making application for them. For this work the Department of Entomology has prepared 35 cases of insects, the Department of Mineralogy and Conchology 25 sets of mollusk shells and 20 sets of minerals, the Department of Mammalogy and Ornithology 20 sets of birds, the Department of Archæology and Ethnology 5 sets of anthropological implements. These collections have been turned over to the Department of Invertebrate Zoölogy, and, with the 80 sets of invertebrates prepared from our own specimens, make a total of 175 collections which are available as loans to the schools. Each species

of a collection is accompanied by an individual label giving common name, scientific name and locality. The collections are especially welcome in the schools of the lower East Side, where we have found as many as 4,000 children in a building and scarcely a single specimen to illustrate nature work.

A great number of school children, both singly and accompanied by their teachers, have studied the collections during the year, and a number of lectures, especially designed for school children, have been given by Mr. Sherwood and some of the teachers.

During the second quarter of the year there were many inquiries from artists, writers, business men and other visitors, especially foreign travelers, for information concerning subjects pertaining to the department.

Professor W. M. Wheeler assumed his duties as Curator of the department in September. Dr. Duerden, Honorary Curator of Coelenterates, has been engaged in negotiating exchanges in corals with some of the larger museums in England, Ireland and this country.

The following papers have been contributed by members of the department during the past year: J. E. Duerden, "West Indian Sponge-incrusting Actinians;" W. M. Wheeler, "Some Notes on the Habits of *Cerapachys*," *Psyche*, Vol. X, 1903; "Extraordinary Females in Three Species of *Formica*, etc.;" "Some New Gynandromorphous Ants, etc." *Bull. Am. Mus. Nat. Hist.*, Vol. XIX, 1903.

DEPARTMENT OF BOOKS AND PUBLICATIONS.—The adoption of the decimal system (a generally approved method of classification) and the placing of the library of the New York Academy of Sciences and that of the American Ethnological Society in our custody have necessitated the classification of the combined libraries and the rejection of much duplicate material. Some idea of the amount of labor involved may be gathered from the fact that the time of six assistants during the entire year has been devoted exclusively to this work.

The anthropological, archæological and ethnological books have been brought together and installed in the room of the

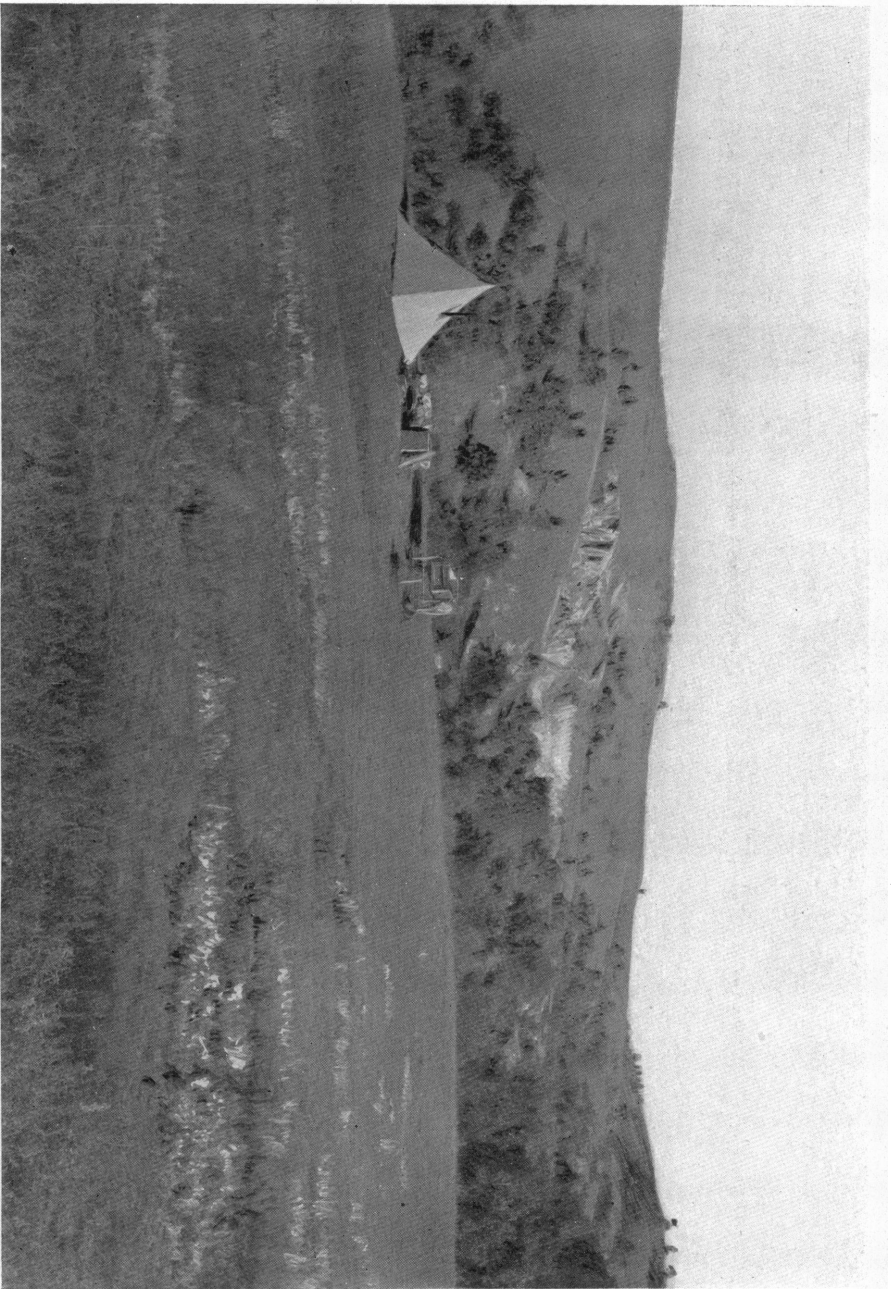
Anthropological Seminary, where they are now available for reference.

The contiguity of several large educational and scientific institutions in and about New York has made imperative the existence of a large, complete and well arranged library of science; and it seems destined that the Museum, occupying, as it does, a central position, employing a large staff of scientific workers, and offering assembly and lecture halls, laboratories and instruments to scientists and students of natural history, should be the institution to bring together and arrange for general consultation a library bearing upon the various branches of natural science. With this in view, the work of the past year may be considered as the laying of a foundation upon which such a library may be built—a library that will not duplicate the work that is being done by our neighbor on the north, the National Geographical Society, or our neighbor on the south, the New York Historical Society, but a library that nevertheless will require the expenditure of considerable sums of money for the purchase of special books of reference and for the completion of imperfect series of volumes now in our possession.

An entire set of bibliographical cards, published by the Concilium Bibliographicum at Zurich, has been received, and, what is of quite as much moment, these cards have been so classified that one desiring specific information in regard to any current zoölogical article, may find easy reference. The employment of a binder has greatly reduced the expense of keeping our books in repair and has solved the problem of the care and classification of reprints.

The reorganization of the general work of this department has necessitated a revision of our exchange list. The printing and distribution of the Bulletins and Memoirs are now carried on according to the following schedule:

1. The regular edition of the scientific publications consists of six hundred copies.
2. An author desiring copies in addition to those provided for below may have the same at cost, provided a request is made to the Editor at the time the manuscript is submitted.



THE WILLIAM C. WHITNEY EXPEDITION—SOUTH DAKOTA
The light-colored rock in the center is Upper Miocene. It was in an outcrop a little to the right that the party found a new three-toed horse (Neohippus whitneyi). The fossil skeleton is now mounted and on exhibition.

3. The Curator of Books and Publications, on receiving an edition from the printer or binder, arranges and disposes of the publication as follows:

a. A "reserve series" of fifty copies is set apart, not for the present to be drawn upon, and for distribution in complete sets only;

b. An "author's series" of twenty-five copies is handed to the author for his private use;

c. A "reference series" not to exceed two hundred copies is issued to the leading libraries, museums and educational institutions of the world, it being the purpose to have the list of these institutions made with care, and to place, either by sale or gift, a complete set of our publications in each for reference for all future time.

d. An "exchange series" not to exceed one hundred copies is issued to such institutions, organizations and individuals as may furnish an equivalent exchange.

e. A "general series," from which are drawn copies for distribution among working men of science (as may be recommended by the heads of departments and duly approved by the Director), for the preparation of "reviews," for distribution among friends of the Museum, for use among field helpers, for use as complimentary copies, sales, etc.

Following is a list of the scientific publications of the Museum issued in 1903, as received by the Curator for distribution and exchange:

DEPARTMENT OF GEOLOGY AND INVERTEBRATE PALÆONTOLOGY.

Bulletin, Volume XIX.

C. H. Hitchcock. "Notice of a Species of *Acidaspis* from a Boulder of Marcellus Shale, Found in Drift, at West Bloomfield, New Jersey." (Pages 97-98, plate vi.)

R. P. Whitfield. "Notice of Six New Species of *Unios* from the Laramie Group." (Pages 483-487, plates xxxviii-xl.)

R. P. Whitfield. "Observations on a Remarkable Specimen of *Halysites* and Description of a New Species of the Genus." (Pages 489-490, plates xli and xlii.)

Journal, Volume III.

E. O. Hovey. "Martinique and St. Vincent Revisited." (Pages 38-56, 9 illustrations.)

DEPARTMENT OF MAMMALOGY AND ORNITHOLOGY.

Bulletin, Volume XIX.

J. A. Allen. "Description of a New Species of *Sigmodon* from Ecuador." (Pages 99-100.)

J. A. Allen. "Report on the Mammals Collected in Northeastern Siberia by the Jesup North Pacific Expedition, with Itinerary and Field Notes by N. G. Buxton." (Pages 101-184.)

J. A. Allen. "Descriptions of New Rodents from Southern Patagonia, with a Note on the Genus *Euneomys* Coues, and an Addendum to Article IV. on Siberian Mammals." (Pages 185-196.)

J. A. Allen. "Mammals Collected in Alaska and Northern British Columbia by the Andrew J. Stone Expedition of 1902." (Pages 521-567.)

J. A. Allen. "List of Mammals Collected by Mr. J. H. Batty in New Mexico and Durango, with Descriptions of New Species and Subspecies." (Pages 587-612.)

J. A. Allen. "A New Deer and a New Lynx from the State of Sinaloa, Mexico." (Pages 613-615.)

DEPARTMENT OF VERTEBRATE PALÆONTOLOGY.

Memoirs, Volume I.

H. F. Osborn. "The Reptilian Subclasses Diapsida and Synapsida and the Early History of the Diaptosauria." (Pages 449-508, plate xl, and 24 text figures.)

Bulletin, Volume XIX.

O. P. Hay. "On Certain Genera and Species of North American Cretaceous Actinopteros Fishes." (Pages 1-95, plates i-v, and 72 text figures.)

W. D. Matthew. "The Fauna of the Titanotherium Beds at Pipestone Springs, Montana." (Pages 197-226, with 19 text figures.)

W. D. Matthew. "A Fossil Hedgehog from the American Oligocene." (Pages 227-229, with 1 text figure.)

W. K. Gregory. "Adaptive Significance of the Shortening of the Elephant's Skull." (Pages 387-394, plate xxiii, and 4 text figures.)

O. P. Hay. "On a Collection of Upper Cretaceous Fishes from Mount Lebanon, Syria, with Descriptions of Four New Genera and Nineteen New Species." (Pages 395-452, plates xxiv-xxxvii.)

Barnum Brown. "A New Species of Fossil Edentate from the Santa Cruz Formation of Patagonia." (Pages 453-457, with 2 text figures.)

Henry Fairfield Osborn. "*Ornitholestes hermanni*, A New Compsognathoid Dinosaur from the Upper Jurassic." (Pages 459-464, with 3 text figures.)

J. W. Gidley. "A New Three-toed Horse." (Pages 465-476.)

J. W. Gidley. "On Two Species of *Platygonus* from the Pliocene of Texas." (Pages 477-481, with 5 text figures.)

Henry Fairfield Osborn. "*Glyptotherium texanum*, A New Glyptodont, from the Lower Pleistocene of Texas." (Pages 491-494, plate xliii.)

Barnum Brown. "A New Genus of Ground Sloth from the Pleistocene of Nebraska." (Pages 569-583, plates I and II.)

J. W. Gidley. "The Fresh-water Tertiary of Northwestern Texas. American Museum Expeditions of 1899-1901." (Pages 617-635, plates lii-lviii, and 4 text figures.)

Richard Swann Lull. "Skull of *Triceratops serratus*." (Pages 685-695, plate lix, and 1 text figure.)

Henry Fairfield Osborn. "The Skull of *Creosaurus*." (Pages 697-701, with two text figures.)

DEPARTMENT OF ETHNOLOGY.

Memoirs, Volume III.

G. T. Emmons. "The Basketry of the Tlingit." (Pages 229-278, plates v-xviii, and 73 text figures.)

Bulletin, Volume XIX.

Aleš Hrdlička. "Divisions of the Parietal Bone in Man and Other Mammals." (Pages 231-386, plates vii-xxii, and 39 text figures.)

Journal, Vol. III.

F. Boas. "The Jesup North Pacific Expedition." (Pages 71-119, 2 maps, 20 illustrations.)

DEPARTMENT OF ARCHÆOLOGY.

Memoirs, Volume IV.

Harlan I. Smith. "Shell Heaps of the Lower Fraser River, British Columbia." (Pages 133-192, plates vi and vii, and 51 text figures.)

DEPARTMENT OF ENTOMOLOGY.

Bulletin, Volume XIX.

William Beutenmüller. "Notes on Some Species of *Catocala*." (Pages 505-510.)

William Beutenmüller. "Notes on Some Beetles from the Black Mountains, with Descriptions of New Species." (Pages 511-519, plates xlviii and xlix.)

William Beutenmüller. "Description of a New Moth from North Carolina." (Pages 585-586.)

William Beutenmüller. "A New Katydid from Florida." (Pages 637-638, with 1 text figure.)

DEPARTMENT OF INVERTEBRATE ZOOLOGY.

Bulletin, Volume XIX.

J. E. Duerden. "West Indian Sponge-incrusting Actinians." (Pages 495-503, plates xlv-xlvii.)

William Morton Wheeler. "Extraordinary Females in Three Species of *Formica*, with Remarks on Mutation in the Formicidæ." (Pages 639-651, with 3 text figures.)

William Morton Wheeler. "Some New Gynandromorphous Ants, with a Review of the Previously Recorded Cases." (Pages 653-683, with 11 text figures.)

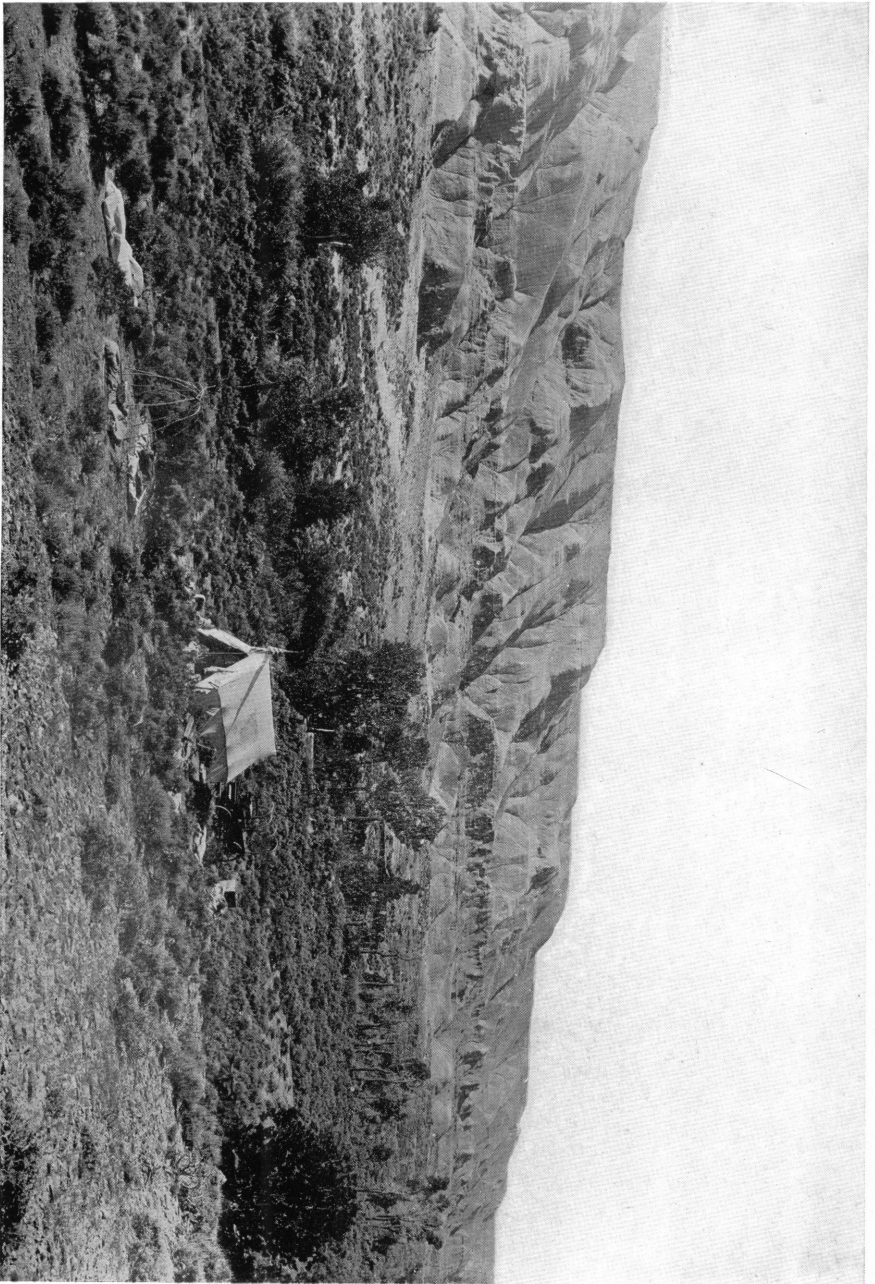
Five numbers of *The American Museum Journal* were issued, and in connection with four of the numbers Guide Leaflets were issued as supplements, as follows:

- "The Evolution of the Horse".....W. D. Matthew
 "The Hawk-moths of the Vicinity of New York City"....Wm. Beutenmüller
 "The Musical Instruments of the Incas".....Charles W. Mead
 "The Collection of Fossil Vertebrates".....W. D. Matthew

DEPARTMENT OF MAPS AND CHARTS.—Dr. Woodward has spent the entire year in the preliminary work of classifying, preparing and cataloguing the Museum's collection of maps and charts, and by the end of another year it is hoped that these will be in such shape that they will be available for reference.

TRANSPORTATION.—The mere tabulation of the various railways and transportation companies that, through the granting of passes and special rates, have assisted our field work—indeed, one might almost say that have made this work possible—is not an adequate acknowledgment of our indebtedness. We feel that these corporations are co-workers with us, and that any credit the Museum may receive for its effort to promote science and educate the people should be shared with those who have united with us towards this common end. The list is as follows :

Atchison, Topeka & Santa Fé Railway.
 Canadian Pacific Railway.
 Chicago & Northwestern Railway.
 Chicago, Milwaukee & St. Paul Railway.
 Chicago, Burlington & Quincy Railway.
 Canadian Northern Railway.
 Chicago, Rock Island & Pacific Railway.
 Erie Railroad.
 Great Northern Railway.
 Missouri Pacific Railway.
 Illinois Central Railroad.
 Mexican International Railroad.
 Mexican Central Railway.
 Mexican National Railway.
 Northern Pacific Railway.
 Southern Pacific Company.
 Southern Railway.
 Union Pacific Railroad.
 Wabash Railway.



THE MUSEUM PALEONTOLOGICAL EXPEDITION—BAD LANDS OF WYOMING

The view shows the camp, and in the distance the Eocene rocks, horizontally stratified. Fossils may be found in these rocks almost anywhere, from the valley to the crest.

THE ATTENDANCE.—On several occasions during the year, the attendance has been such as to tax our resources. The largest daily attendance during the history of the Museum was recorded on February 23, when 7,470 visitors entered the building. The total lecture attendance was 76,779. The number of scholars visiting the Museum for purposes of study has risen from 5,000 in 1902 to 7,032 in 1903, and the number of teachers accompanied by students, i. e., the number of formal classes meeting at the Museum has risen from 317 to 430. This is largely due to the effort that has been made to bring the Museum into active co-operation with the teachers of the City and to provide according to their requests. The total attendance for the year was 388,090.

ASSOCIATED SOCIETIES AND ORGANIZATIONS.—The Museum from year to year is becoming more and more a place for the meeting of men interested in science and education. The following organizations have held meetings during the year, and frequently have offered scientific programmes sufficiently attractive to fill the assembly rooms to overflowing:

The New York Academy of Sciences.

(Astronomy, Physics and Chemistry ; Biology ; Geology and Mineralogy ; Anthropology and Psychology.)

The Linnæan Society of New York.

The New York Entomological Society.

The New York Mineralogical Club.

Audubon Society.

New York Historical Society.

American Ethnological Society.

American Institute of Mining Engineers.

West Side Natural History Society.

New York Council of the Sequoia League.

National Indian Association.

Prof. H. F. Osborn's class in Palæontology.

Prof. M. H. Saville's class in Archæology.

Dr. J. E. Peabody's class in Zoölogy.

Dr. Clark Wissler's class in Ethnology.

LECTURES.—The courses of lectures to teachers, provided for by a grant from the State, were continued, and Professor Bickmore delivered the following:

Spring Course.

January	24—Oxford, Westminster and the Coronation.
"	31—Oxford, Westminster and the Coronation.
February	7—Glasgow and Edinburgh.
"	14—Glasgow and Edinburgh.
"	21—The Adirondack Park.
"	28—The Adirondack Park.
March	7—American Forests.
"	14—American Forests.

Autumn Course.

October	17—The Development of New York City.
"	24—The Development of New York City.
"	31—Niagara Falls.
November	7—Niagara Falls.
"	14—Germany—Berlin.
"	21—Germany—Berlin.
"	28—Germany—Potsdam and Dresden.
December	5—Germany—Potsdam and Dresden.

The following were delivered to members of the Museum by Professor Bickmore unless otherwise indicated:

Spring Course.

March	5—Oxford, Westminster and the Coronation.
"	12—Glasgow and Edinburgh.
"	19—The Adirondack Park.
"	26—American Forests.

Autumn Course.

November	12—Mount Pelé and the Destruction of St. Pierre. (Dr. E. O. Hovey.)
"	19—The Development of New York City.
December	3—Niagara Falls.
"	10—Germany—Berlin.
"	17—Germany—Potsdam and Dresden.

The following were delivered to the public on holidays:

New Year's Day, January 1, 1903	—The Western Riviera.
Washington's Birthday, February 23, 1903	—The Eastern Riviera.
Labor Day, September 7, 1903	—Bird Life About New York City. (Frank M. Chapman.)
Election Day, November 3, 1903	—Life Among the Navajo Indians. (George H. Pepper.)
Thanksgiving Day, November 26, 1903	—The Development of New York City.
Christmas Day, December 25, 1903	—Germany—Berlin and Dresden.

Under the supervision of the Board of Education of the City of New York, in coöperation with the American Museum of Natural History, the following lectures were delivered:

Tuesday evenings.

January	6—London: The World's Metropolis... Thomas Edward Potterton
"	13—Berlin and Military Life in Germany..... Prof. Henry Zick
"	20—Paris..... Ernest R. Holmes
"	27—Switzerland..... W. Torrence Stuchell
February	3—Venice..... Dr. Augusta J. Chapin
"	10—Naples and Pompeii..... Dr. Augusta J. Chapin
"	17—Spain..... William Freeland
"	24—La Belle France..... R. S. Dawson.
March	3—Florida..... Arthur C. Jackson
"	10—The Bermudas..... Prof. Charles L. Bristol
"	17—Martinique and the Mt. Pelé Tragedy.... Roland S. Dawson
"	24—The Land and People of Central America. Prof. Emory R. Johnson
"	31—The West Indies..... George Donaldson
April	7—The Land of the Incas..... Mrs. Alice D. Le Plongeon
"	14—The West Coast of South America..... Ernest C. Rost
"	21—Panama and Venezuela..... Peter MacQueen
"	28—Life in Argentine..... Dr. E. L. Corthell
October	6—Saunterings in Merrie England... Thomas Edward Potterton
"	13—Scotland... W. T. Dorward
"	20—Finland and Its People..... H. Montague Donner
"	27—The Netherlands..... Hon. George F. Corey
November	3—The Picturesque Rhine..... Francis L. Strickland
"	10—Nuremberg..... W. D. P. Bliss
"	17—Spain..... F. E. Partington
"	24—Rome as It Is To-day. (An interesting account of present conditions in the imperial city.)... Frank A. Gallup
December	1—Venice..... E. C. Chorley
"	8—Florence, the City of Art and Memories.... Alfred J. Talley
"	15—Constantinople..... Theo. Chopourian

Saturday evenings.

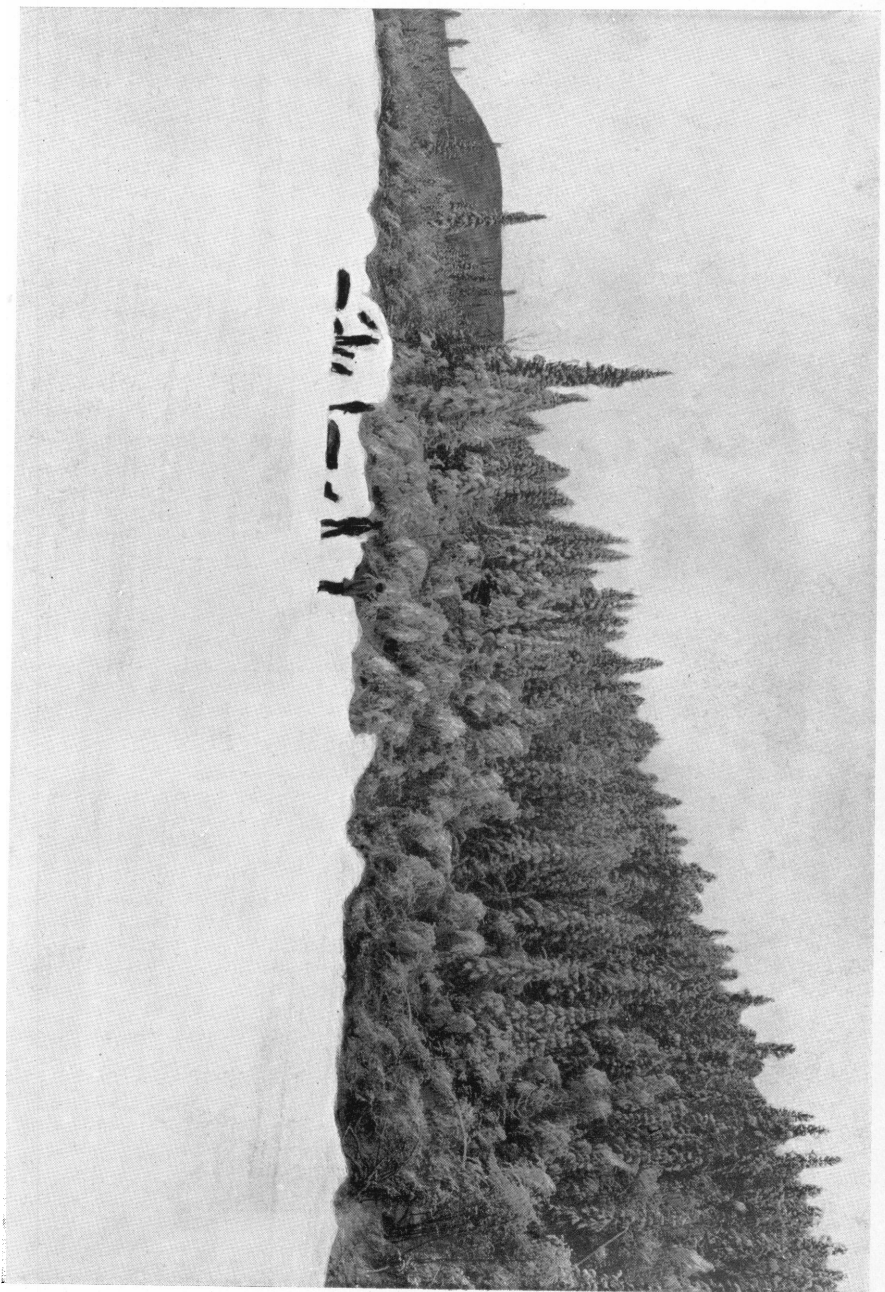
January	10—Magnetism and Diamagnetism.... Prof. E. R. von Nardroff
"	17—Electricity at Rest..... Prof. E. R. von Nardroff
"	24—Electricity in Motion: Its Chemical Effects. Prof. E. R. von Nardroff
"	31—Electricity in Motion: Its Heating Effects. Prof. E. R. von Nardroff
February	7—Electricity in Motion: Its Magnetic Effects. Prof. E. R. von Nardroff
"	14—Electricity in Motion: Its Inductive Effects. Prof. E. R. von Nardroff
"	21—Cathode Rays, X-Rays, Radium Rays. Prof. E. R. von Nardroff
"	28—Electromagnetic Waves: Their Properties and Uses. Prof. E. R. von Nardroff
March	7—Our Water Supply: How We Get It and How We Waste It..... Thomas A. Fulton
"	14—Fresh-water Fish and Fish Culture..... W. E. Meehan
"	21—The Message of the Flowers..... Silas H. Berry
"	28—Birds in Nature..... Frank M. Chapman

- April 4—The General Principles of Organic Evolution. Dr. Henry E. Crampton
 “ 11—The Physical Evolution of the Human Species. Dr. Henry E. Crampton
 “ 18—The Racial Evolution of Man. Dr. Henry E. Crampton
 “ 25—The Mental and Moral Evolution of Man.—Natural Selection and Ethical Evolution. Dr. Henry E. Crampton
 October 3—Plant Life: The Large Groups and Their Characteristics. Prof. Francis E. Lloyd
 “ 10—Plants in Their Environment; Adaptations; the Struggle for Existence; Geographical Distribution. Prof. Francis E. Lloyd
 “ 17—The Vegetation of the Arctic Regions and of Mountain Tops. Prof. Francis E. Lloyd
 “ 24—The Vegetation of the Temperate Regions: The Forests. Prof. Francis E. Lloyd
 “ 31—The Vegetation of the Temperate Regions: The Deserts. Prof. Francis E. Lloyd
 November 7—The Vegetation of the Tropics: The Vegetation of Dominica as a Type. Prof. Francis E. Lloyd
 “ 14—Climate and Mankind: Introduction: The General Relations of People to Climate as Seen in Their Occupations, Manners and Customs, and State of Civilization. Prof. Richard Elwood Dodge
 “ 21—Life in Deserts. Prof. Richard Elwood Dodge
 “ 28—Life in Temperate Forest and Grass Lands, as Determined by the Conditions of Vegetation and Climate. Prof. Richard Elwood Dodge
 December 5—Life in the Tropical Forests, as Compared with that in Other Climatic Regions. Prof. Richard Elwood Dodge
 “ 12—Mountains and People: The Influence of Mountains Upon Peoples as Seen in Their Customs, Trade Relations, and in the Effect Upon Their Imagination. Prof. Richard Elwood Dodge
 “ 19—Plains People: Their Life, Customs, Economic Condition, State of Civilization, etc., as Determined by Their Environment. Prof. Richard Elwood Dodge

In conclusion I would say that the essential features that have characterized the year 1903 have been the addition of many new names to our list of members, the extension of our educational work through lectures and circulating collections, the enlargement of our building, the increase in the personnel of the scientific staff and the scientific researches and announcements that have resulted from our exploring expeditions.

Very truly yours,

MORRIS K. JESUP,
President.



THE ANDREW J. STONE ZOÖLOGICAL EXPEDITION—ARCTIC AMERICA
The view shows the method of transporting the specimens, and the characteristic vegetation of the north.

FINANCIAL STATEMENT.

PERMANENT ENDOWMENT.

General Fund.....	\$420,000 00
JOHN B. TREVOR Fund.....	10,000 00
JOSIAH M. FISKE Fund.....	10,000 00
	<u>\$440,000 00</u>

SPECIAL FUNDS.

EASTERN ASIATIC RESEARCH.

RECEIPTS, 1903.

Cash in bank January 1, 1903.....	\$7,187 73
Interest on Credit Balances.....	109 20
Sale of Publications.....	202 84
	<u>\$7,499 77</u>

DISBURSEMENTS, 1903.

Payments to Berthold Laufer, salary, expenses of expedition and purchase of specimens, etc.....	\$6,009 60
Sundry bills, custom house fees, freight charges, etc...	101 11 6,110 71
Cash in bank December 31, 1903.....	<u>\$1,389 06</u>

NOTE.—The total receipts from 1901 to December 31, 1903, have been \$19,032.77. The total disbursements during this time have been \$17,643.71.

ANDREW J. STONE EXPEDITION.

RECEIPTS, 1903.

Cash in bank January 1, 1903.....	\$2,489 38
Estate of James M. Constable.....	2,000 00
Contributions received through Madison Grant.....	1,900 00
Interest on Credit Balances.....	59 65
	<u>\$6,449 03</u>

DISBURSEMENTS, 1903.

Andrew J. Stone, salary, expenses in the field, etc., 1903.	\$5,479 52
Freight, transportation, etc	114 40 5,593 92
Cash in bank December 31, 1903.....	<u>\$855 11</u>

NOTE.—The total receipts from 1901 to December 31, 1903, have been \$15,217.54. The total disbursements during this time have been \$14,362.43.

[E. & O. E. excepted.]

JOHN H. WINSER, *Treasurer.*

Correct.—E. L. MASSETT, *Auditor.*

NEW YORK, December 31, 1903.

THE AMERICAN MUSEUM OF NATURAL HISTORY

CITY MAINTENANCE ACCOUNT.

RECEIPTS.

Capital Account, January 1, 1903.....		\$15,000 00
Department of Parks.....	\$160,000 00	
Transfer from Trustees Account in General Account to meet deficit.....	7,268 54	
Refund from General Account.....	100 00	167,368 54
Interest on Balances.....		131 66

\$182,500 20

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

CITY MAINTENANCE ACCOUNT.

DISHURSEMENTS.

Geology and Invertebrate Palæontology.....	\$6,225 16	
Mammalogy and Ornithology.....	7,359 67	-
Mineralogy	3,660 35	
Vertebrate Palæontology.....	11,408 42	✓
Archæology.....	9,650 36	
Ethnology.....	10,361 08	
Entomology.....	2,384 35	
Invertebrate Zoölogy.....	5,066 12	
Library.....	7,786 16	
Preparation and Exhibition.....	12,363 52	
General Supplies and Expenses.....	4,326 04	
Heating and Lighting.....	20,681 33	
Repairs and Installation.....	24,002 03	
Administration	42,093 95	
	<hr/>	\$167,368 54
Interest on Balances transferred to General Account.		131 66
Cash on hand December 31, 1903.....		15,000 00
		<hr/>
		<u>\$182,500 20</u>

CHARLES LANIER, *Treasurer.*

[E. & O. E.]

NEW YORK, *December 31, 1903.*

THE AMERICAN MUSEUM OF NATURAL HISTORY

GENERAL ACCOUNT.

RECEIPTS.

Cash on hand January 1, 1903.....		\$4,896 92
Interest on Permanent Endowment.....	\$21,805 00	
Interest on Credit Balances.....	794 50	
State Superintendent of Public Instruction.....	12,000 00	

Trustees :

J. Pierpont Morgan.....	\$1,000 00	
Morris K. Jesup.....	1,000 00	
Adrian Iselin.....	1,000 00	
D. O. Mills.....	1,000 00	
Wm. Rockefeller.....	1,000 00	
Percy R. Pyne.....	1,000 00	
H. O. Havemeyer.....	1,000 00	
Charles Lanier.....	500 00	
Anson W. Hard.....	250 00	
Arthur Curtiss James.....	250 00	
		8,000 00

Patron : James H. Hyde.....	1,000 00	
Fellow : Samuel N. Hoyt.....	500 00	

Life Members :

George L. Stebbins.....	\$100 00	
Dr. George N. Miller.....	100 00	
Clarence H. Mackay.....	100 00	
Bernard Loth.....	100 00	
S. R. Guggenheim.....	100 00	
A. B. Townsend.....	100 00	
Louis Marshall.....	100 00	
Dennistoun M. Bell.....	100 00	
Emerson McMillin.....	100 00	
Howard Willetts.....	100 00	
Daniel Guggenheim.....	100 00	
Wm. R. Schmelzel.....	100 00	
Miss Juliette A. Owen.....	100 00	
Davies Coxe, M.D.....	100 00	
John E. Berwind.....	100 00	
James Morris.....	100 00	
Thomas Potts.....	100 00	
Miss Mary M. Billings.....	100 00	
Henry Ferguson.....	100 00	
Wm. P. Eno.....	100 00	
Dr. Henry C. Eno.....	100 00	
Alfred W. Hoyt.....	100 00	
George E. Dunscombe.....	100 00	
Morton C. Nichols.....	100 00	
Miss Cora F. Barnes.....	100 00	
William R. Sands.....	100 00	
Mrs. J. W. Minturn.....	100 00	
Mrs. George H. Chatillon.....	100 00	
		2,800 00

Annual Members.....	11,740 00	
Morris K. Jesup, gift.....	5,000 00	
Henry F. Osborn, for support of the Department of Vertebrate Palæontology.....	1,800 00	
Admission Fees.....	1,613 50	
Sale of Duplicates and Rebates.....	5,329 06	
Sale of Publications.....	734 32	
Collecting Permits.....	37 00	73,153 38

\$78,050 30

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

in account with CHARLES LANIER, TREASURER.

GENERAL ACCOUNT.

DISBURSEMENTS.

Geology and Invertebrate Palæontology.....	\$1,186 49
Mammalogy and Ornithology.....	3,575 36 -
Mineralogy.....	209 00
Vertebrate Palæontology.....	7,616 29 ✓
Archæology.....	10,462 08
Ethnology.....	8,012 19
Entomology.....	297 83
Invertebrate Zoölogy.....	1,325 53
Library.....	2,190 53
Department of Public Instruction.....	9,101 80
Preparation and Exhibition.....	3,092 11
Publications.....	10,781 03
General Supplies and Expenses.....	3,163 89
Fixtures Account.....	6,663 04 -
Endowment and Investment Account:	
Transfer to Permanent Endowment for the purchase of bonds.....	170 62 ✓
City Maintenance Account:	
Transfer to this account to balance deficit.....	7,268 54 →
Interest on Loans and Overdrafts.....	126 11
	<u>\$75,242 44</u>
Cash on hand December 31, 1903.....	2,807 86

\$78,050 30

CHARLES LANIER, *Treasurer.*

[E. & O. E.]

NEW YORK, *December 31, 1903.*

THE AMERICAN MUSEUM OF NATURAL HISTORY

ENDOWMENT AND INVESTMENT ACCOUNT.

RECEIPTS.

MAMMALOLOGY AND ORNITHOLOGY:

North American Ornithology Fund:

John L. Cadwalader.....	\$500 00	
F. Aug. Schermerhorn.....	250 00	
H. B. Hollins.....	250 00	
Henry W. Poor.....	500 00	
Mrs. Harriet L. Schuyler.....	200 00	
Henry Clay Pierce.....	500 00	
James C. Carter.....	250 00	

\$2,450 00

John L. Cadwalader Fund, balance..... 25 51 \$2,475 51

MINERALOGY AND CONCHOLOGY:

Frederick A. Constable, gift.....	140 00	
Edward D. Adams, gift.....	274 50	
Matilda W. Bruce, gift.....	100 00	514 50

VERTEBRATE PALÆONTOLOGY:

Wm. C. Whitney Fund..... 5,209 90

Pampean Collection of Fossils:

H. O. Havemeyer.....	\$400 00	
A. C. James.....	200 00	
Wm. E. Dodge.....	400 00	
Prof. Henry F. Osborn.....	200 00	

1,200 00

6,409 90

ARCHÆOLOGY:

Delaware Valley Research, Dr. Frederick E. Hyde. ✓	1,080 74	
Hyde Exploration Fund, B. T. Babbitt Hyde...	1,200 00	
International Congress of Americanists, balance.	1,689 75	
Folk Ceramic Fund, Mrs. Robert W. de Forest...	2,990 00	6,960 49

ETHNOLOGY:

Jesup North Pacific Expedition, Morris K. Jesup, balance.....	✓ 1,469 62	
Oregon and Yukon River Ethnographical Research, balance.....	200 00	
Ethnological Research Fund, Franz Boas.....	266 65	
Huntington California Fund, Mrs. C. P. Huntington, Archer M. Huntington.....	1,009 00	
Archer M. Huntington Fund, balance.....	48 46	
Wm. Demuth Collection of Pipes.....	223 52	
Berlin North American Fund.....	945 60	4,162 85

ENTOMOLOGY:

Hoffman Black Mountain Expedition, Samuel V. Hoffman.....	300 00	
African Insect Fund, Samuel V. Hoffman.....	50 00	350 00

FORESTRY:

Mrs. C. P. Huntington Fund, balance..... 124 33

Total receipts for the development of specific departments..... \$20,997 58

PERMANENT ENDOWMENT:

Bequest of Samuel D. Babcock.....	4,762 50	
Cash on hand January 1, 1903.....	25 91	
Transfer from General Account.....	170 62	✓ 4,959 03

INTEREST ON CREDIT BALANCES:

Cash on hand January 1, 1903.....	454 82	
Earnings to December 31, 1903.....	208 02	662 84

\$26,619 45

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

ENDOWMENT AND INVESTMENT ACCOUNT.

DISBURSEMENTS.

MAMMALOGY AND ORNITHOLOGY :			
North American Ornithology Fund.....	\$1,439	11	
John L. Cadwalader, gift (balance).....	25	51	\$1,464 62
MINERALOGY AND CONCHOLOGY :			
Frederick A. Constable, gift.....	140	00	
Edward D. Adams, gift.....	274	50	
Matilda W. Bruce, gift.....	100	00	514 50
VERTEBRATE PALÆONTOLOGY :			
Wm. C. Whitney Fund.....	4,568	78	
Pampean Collection of Fossils.....	644	48	5,213 26
ARCHÆOLOGY :			
Delaware Valley Research.....	1,080	74	
Hyde Exploration Fund.....	1,200	00	
International Congress of Americanists Fund....	69	00	
Folk Ceramic Fund.....	2,590	11	4,939 85
ETHNOLOGY :			
Jesup North Pacific Expedition.....	1,469	62	
Oregon and Yukon River Ethnographical Research.....	200	00	
Ethnological Research Fund.....	180	00	
Huntington California Fund.....	1,009	00	
Archer M. Huntington Fund.....	48	46	
Wm. Demuth Collection of Pipes.....	50	00	
Berlin North American Fund.....	945	60	3,902 68
ENTOMOLOGY :			
Hoffman Black Mountain Expedition.....	300	00	
African Insect Fund.....	50	00	350 00
Total disbursements for the development of specific departments.....			\$16,384 91
Permanent Endowment.....			4,959 03
Interest on Credit Balances.....			662 84
Cash on hand December 31, 1903.....			4,612 67

\$26,619 45

[E. & O. E.]
NEW YORK, December 31, 1903.

CHARLES LANIER, *Treasurer.*

LIST OF ACCESSIONS, 1903.

DEPARTMENT OF GEOLOGY AND INVERTEBRATE PALÆONTOLOGY.

BY DONATION.

- ✓ CHARLES T. BEACH, Hartford, Conn. ✓
Section of Ulodendron trunk, from Raub Mine, Kingston, Luzern
Co., Pa.
- C. P. LAURIE, Erie, Pa. ✓
1 *Ammonites maugensetii*, 1 *Pecten æquivalvis*, 1 *Plagiostoma gigan-*
teum, 1 *Plagiostoma punctatum*.
- ✓ GEORGE A. GLAENZER, New York City. ✓
1 Cast of *Opis Truelleri*, from Cadouin, Dordogne, central France.
- ✓ REV. R. B. POST, Elizabeth, N. J. ✓
35 Specimens of Miocene fossils, from Clinton, N. C.
- ✓ PROF. R. P. WHITFIELD, New York City. ✓
10 Corals and 3 molluscs, Miocene fossils from Ballast Point, near
Tampa, Florida.
- ✓ REV. H. W. WINKLEY, Branford, Conn. ✓
133 Specimens of fossils from several localities.
- ✓ J. A. MANLEY, New Brunswick, N. J. ✓
4 Specimens of banded Trap.
- ✓ PROF. W. P. BLAKE, Tucson, Arizona. ✓
1 Specimen of Diatomite.

BY EXCHANGE.

- 2 Stalactites from a cave near Walsingham, Bermuda.
- ✓ 15 Coal plants from Rhode Island.
- 5 *Anthracomya* from Nova Scotia.

BY PURCHASE.

- ✓ 16 Fossil sponges from Nöttlingen, Germany.
- ✓ 63 " " from the Misburg Clays.
- ✓ 14 " " skeletonized, in vials, from Misburg.
- ✓ 58 " " skeletonized, in vials, from Oberg.
- ✓ 13 " " from various localities.
- ✓ 1 *Lithostrotion Canadense*.
- ✓ 1 Slab *Favosites intertextus*.
- ✓ 170 Specimens of fossils.

THROUGH MUSEUM EXPEDITIONS.

- ✓ 2 *Baculites anceps*.
- ✓ 2 *Ammonites Woolgari*.
- ✓ 1 *Inoceramus problematicus*.
- ✓ 1 *Inoceramus fragilis*.
- ✓ 2 *Scaphites Warrenanus*.
- 5 *Ostrea Engelmani*.
- 6 *Camptonectes bellistriatus*.
- 1 *Camptonectes pertenuistriatus*.

About 600 specimens of lava, tuff, dust, "bombs" and ejected blocks from Martinique, St. Vincent, St. Thomas, Saba, Statia, St. Kitts, Nevis, Guadeloupe, Dominica and St. Lucia of the West Indies. Collected by E. O. Hovey. ✓

DEPARTMENT OF MAMMALOGY AND ORNITHOLOGY.

MAMMALS.

BY DONATION.

- DR. ADLER, New York City.
 - 1 Mexican Deer.
- CHARLES E. AIKEN, Colorado Springs, Col.
 - 1 Prairie Dog.
- C. E. AKELEY, Chicago, Ill.
 - 1 Virginia Deer, mounted.
- H. P. ATTWATER, Houston, Texas.
 - 1 Skunk, 3 skulls of Field Mice.
- E. H. AUSTIN, Gaylordsville, Conn.
 - 1 Skunk (albino.)
- ✓ ARTHUR R. BAKER, New York City.
 - 1 Ceylon Rat.
- ✓ BARNUM & BAILEY CO., Bridgeport, Conn.
 - 1 Giraffe, 1 Oryx.
- ✓ WILLIAM BEUTENMÜLLER, New York City.
 - 1 Weasel, from North Carolina.
- PROF. H. C. BUMPUS, New Rochelle, N. Y.
 - 3 Field Mice, 3 Chipmunks.
- ✓ C. W. CAMERON, New York City.
 - 1 Collie Dog.
- ✓ A. CARLSON, New York City.
 - Skin of Malay Bear.
- ✓ DR. DELFIN, Santiago, Chili.
 - 1 Skin and 2 skulls of Andean Deer.

DEPARTMENT OF PUBLIC PARKS, New York City.

- 1 Baboon, 16 Monkeys, 7 Marmosets, 1 Lori, 1 Tiger, 1 Lion, 2 Polar Bears, 1 Black Bear, 1 Red Fox, 1 Raccoon, 1 West Indian Seal, 1 Harbor Seal, 1 Camel, 2 Aoudads, 2 Indian Antelope, 1 Sheep, 1 Collared Peccary, 2 Elks, 3 Red Deer, 1 Axis Deer, 1 Virginia Deer, 1 Paca, 1 Hedgehog, 2 Three-toed Sloths.—Total, 52 specimens, received in the flesh from the Central Park Menagerie and the New York Aquarium.

- ✓ GEN. J. WATTS DE PEYSTER, Tivoli, N. Y.
3 Wolverenes, mounted.
- ✓ MRS. NICHOLAS FISH, New York City.
1 Mounted Moose head, reputed to be the last Moose killed in the Adirondacks.
- ✓ MADISON GRANT and C. A. MOORE, New York City.
4 Mountain Caribou, 2 Mountain Goats, series of Mountain Goat horns, 1 Deer, 2 Marmots, 3 *Spermophiles*, 2 *Picas*, 2 *Voles*, and 2 *Weasels*, from the Selkirk Range, near Golden, B. C.
- ✓ HENRY HALES, Ridgewood, N. J.
1 Opossum with litter of young.
- ✓ Miss BEULAH HARTFORD, New York City.
1 Chipmunk.
- ✓ DR. ULYSSES KAHN, New York City.
1 *Guereza* Monkey, mounted.
- ✓ F. R. KALDENBERG, New York City.
2 Sections of Elephant tusks.
- ✓ WILLIAM KING, New York City.
1 Porpoise.
- ✓ W. DE WITT MILLER, Plainfield, N. J.
2 Raccoons, 1 Red Squirrel, and 10 Meadow Mice.
- ✓ PROF. F. W. PUTNAM, Cambridge, Mass.
Skull of *Peccary*, from New Mexico.
- ✓ C. A. MOORE, New York City.
See above under Madison Grant.
- ✓ NEW YORK ZOÖLOGICAL SOCIETY, New York City.
1 Mandrill, 46 Monkeys (various species), 2 Marmosets, 1 Leopard, 1 Lioness, 2 *Ichneumons*, 1 Civet Cat, 1 Sea Lion, 1 Harbor Seal, 3 Punjab Sheep, 2 Goats, 2 Ibexes, 1 Aoudad, 1 Crested Antelope, 2 Pronghorns, 1 Musk Deer, 1 Mule Deer, 1 Japanese Deer, 4 Virginia Deer, 1 Japanese Boar, 1 Woodchuck, 1 Beaver, 1 Spotted Cavy, 2 Opossums.—Total, 79 specimens, received in the flesh.
- ✓ ROBERT SEAMAN, New York City.
1 Japanese Dog.
- ✓ RALPH SHAINWALD, New York City.
1 Eskimo Dog.
- ✓ HARLAN I. SMITH, New York City.
2 Lynxes (skins), 1 Wolf skull, 1 Muskrat skull.
- ✓ JAMES TEIT, Spences Bridge, B. C.
1 Hoary Marmot.
- ✓ J. C. THOMPSON, M.D., U. S. N.
1 Red Bat.
- ✓ J. B. TYRRELL, Dawson, B. C.
4 Fannin Sheep.
- ✓ WILLIAM F. WHITEHOUSE, Philadelphia, Pa.
1 Duiker Antelope, 2 Hyenas, 2 *Colobus* Monkeys, 1 Swayne's *Hartebeeste*, 1 Waterbuck (on loan).

BY EXCHANGE.

14 Specimens, South American.

BY PURCHASE.

✓ 108 Specimens, from Arctic America; 120 from Venezuela.

THROUGH MUSEUM EXPEDITIONS.

✓ ANDREW J. STONE EXPEDITION.

850 Small mammals and 30 large mammals, collected partly on the Alaska Peninsula and partly on the Kenai Peninsula, Alaska. The large mammals include 12 Bears, 6 Moose, and 16 White Sheep, these specimens affording material for a fine group of each of these species.

✓ MEXICAN EXPEDITION.

700 Specimens, mostly from the State of Durango, Mexico. Collected by J. H. Batty. They include large series of Deer and Coyotes, and of all the small mammals of the region.

BIRDS.

BY DONATION.

✓ MRS. E. A. ARMAND, New York City.

1 Rail's nest and 3 eggs.

✓ N. BARTELL, New York City.

1 Cassowary.

✓ WILLIAM BEUTENMÜLLER, New York City.

1 Nest and eggs of Carolina Junco, 1 Brown Creeper.

✓ MRS. MINNIE S. BROWN, New York City.

1 Parrot.

✓ PROF. H. C. BUMPUS, New Rochelle, N. Y.

1 Saw-whet Owl, 1 Robin.

✓ S. H. CHUBB, New York City.

1 Chimney Swift.

✓ MRS. T. E. CLAYTON, Cazewood, N. J.

4 Nests.

✓ W. A. CONKLIN, New York City.

1 Green Fruit Pigeon.

N. CUTHBERTSON, Garden City, N. Y.

1 Starling.

DEPARTMENT OF PUBLIC PARKS, New York City.

6 Golden Eagles, 3 Bald Eagles, 1 Red-tailed Hawk, 1 Red-shouldered Hawk, 2 Great Horned Owls, 1 Condor, 1 Sulphur Cockatoo, 4 Parrots, 6 Pheasants (various species), 1 Peacock, 6 White Swans, 3 Black-necked Swans, 2 Black Swans, 1 Brant, 1 Cassowary.—Total, 39 specimens, received in the flesh from the Central Park Menagerie.

✓ THOMAS DONAHUE, New York City.

1 Night Heron.

✓ BASIL H. DUTCHER, M. D., U. S. A.

6 Small birds from Arizona.

✓ WILLIAM DUTCHER, New York City.

1 Heath Hen, from Martha's Vineyard, 18 Weaver birds (various species), 8 Finches (various species), 1 East Indian Jay, 2 Fly-catchers, 4 Parrots.

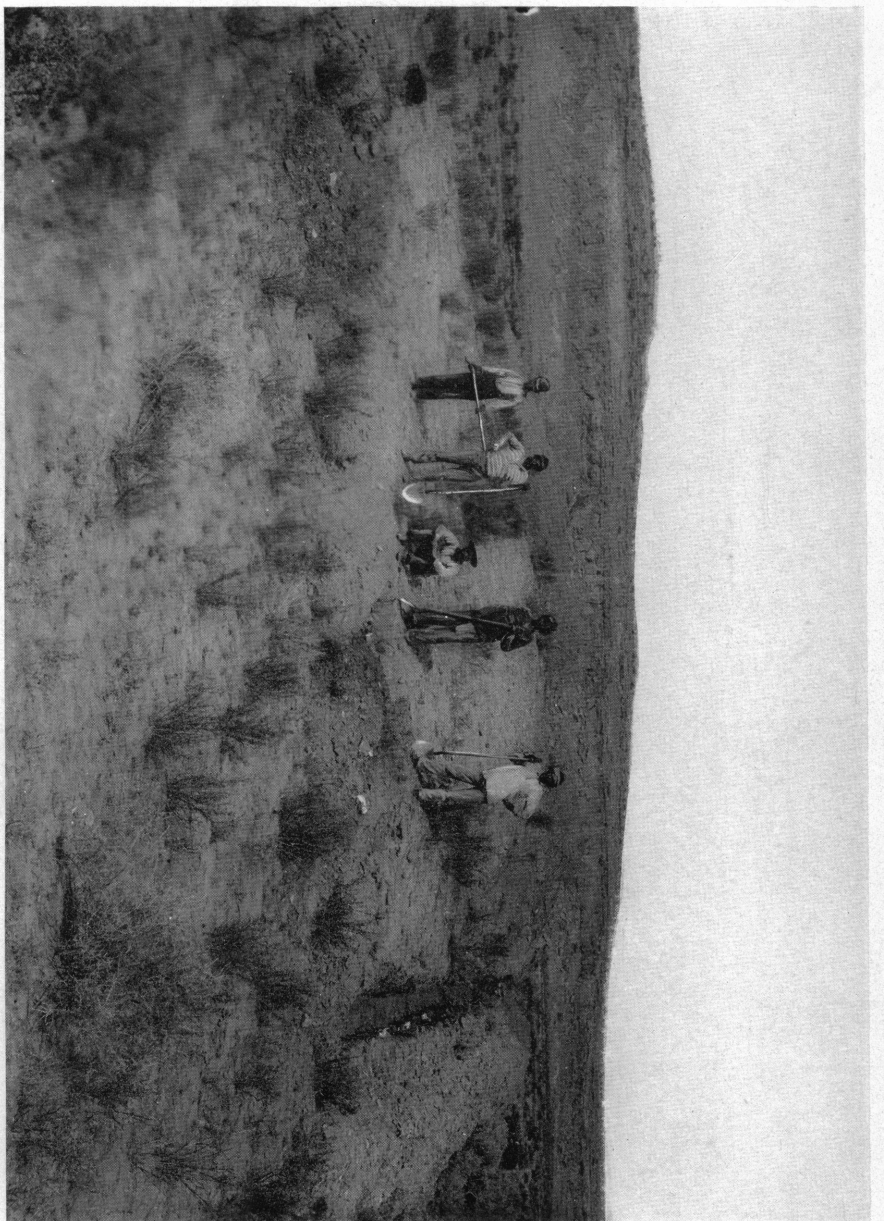
- ✓ J. S. ENNIS, M. D., New York City.
5 Small birds.
- W. C. FOCKELMAN, New York City.
1 Bearded Titmouse, 1 Japanese Finch.
- H. J. LANGHAM, New York City.
1 Chimney Swift.
- ✓ WARREN LEGGETT, New York City.
4 Eggs.
- ✓ MAJOR C. W. MASON, U. S. A.
1 Kingfisher.
- ✓ ALFRED M. MOSELY, London, England.
Nests and eggs of British birds.
- ✓ MISS MURRAY, New York City.
1 Finch.
- ✓ J. OLMSTEAD, New York City.
1 English Sparrow.
- ✓ MRS. F. SCHEEL, New York City.
1 Zebra Finch.
- ✓ ERNEST THOMPSON SETON, Cos Cob, Conn.
8 Canvasback Ducks, 3 Lesser Scaup Ducks, 3 Shoveller Ducks,
1 Tree Duck.
- ✓ DAVID TOMLINSON, New York City.
1 Red-tailed Hawk, 1 Starling.
- ✓ C. W. WEBB, New York City.
1 Albatross.
- ✓ WILLIAM F. WHITEHOUSE, Philadelphia, Pa.
1 Crowned Crane.
- ✓ R. S. WILLIAMS, Great Falls, Mont.
46 Small birds from Bolivia.

BY PURCHASE.

550 Specimens, from Merida, Venezuela.
Also the Sennett Collection, numbering nearly 8,000 skins and a very large and valuable collection of nests and eggs.

THROUGH MUSEUM EXPEDITIONS.

- ✓ ANDREW J. STONE EXPEDITION.
316 Skins and 35 sets of eggs, from the Alaska Peninsula and the Kenai Peninsula, Alaska.
- ✓ MEXICAN EXPEDITION.
890 Skins, and a small collection of nests and eggs, from north-western Durango, Mexico. Collected by J. H. Batty.
- ✓ CALIFORNIA EXPEDITION (Cadwalader Fund).
325 Birds, a number of nests and eggs, and accessories for a series of large groups.



THE HYDE ARCHEOLOGICAL EXPEDITION—NEW MEXICO
The workmen are Navajo Indians. The rectangular area at the right is a portion of Pueblo Bonito.

DEPARTMENT OF MINERALOGY AND CONCHOLOGY.

MINERALOGY.

BY DONATION.

EDWARD D. ADAMS, New York City. ✓

1 Specimen of Radium.

1 " " Uraninite from Bohemia. ✓

J. H. ADAMS, New York City. ✓

21 Specimens of Tourmaline, in rock, from Chester, Mass.

AMERICAN GEM CO., through L. M. ZELL, New York City. ✓

1 Specimen of Quartz, large crystallization, and Hiddenite, from North Carolina.

MRS. A. F. BANDELIER, New York City. ✓

1 Specimen of Copper, pseudomorph after Aragonite, from Corocoro, Bolivia.

J. H. BATTY, New York City. ✓

15 Specimens of ores from Mexico.

CLARENCE S. BEMENT, Philadelphia, Pa. ✓

1 Specimen of Datolite from Andreasberg, Hartz.

BARNUM BROWN, New York City. ✓

1 Specimen of Fossil resin (Cretaceous) from Miles City, Montana.

1 " " Sphalerite from Willcockson, Ark.

MISS MATILDA W. BRUCE, New York City. ✓

4 Specimens of Pyromorphite from Ems, Nassau, Germany.

1 " " Limonite from Mammoth, Utah.

1 " " Calcite from Joplin, Missouri.

1 " " Calamine from Elkhorn, Montana.

2 " " Smithsonite from Laurium, Greece.

1 " " Herrengrundite from Herrengrund, Hungary.

1 " " Roseite from West Nottingham, Pa.

1 " " Natrolite from Susquehanna Tunnel, N. J.

6 " " Calcite from Cumberland, England.

1 " " Water-bottle from Uruguay.

WM. H. CRANE, New York City. ✓

4 Specimens of native Bismuth from Pala, San Diego Co., Cal.

GEORGE A. GLAENZER, New York City. ✓

1 Specimen of Azurite in feldspathic rock from France.

G. ROSS DEFENDORF, New York City. ✓

Miscellaneous lot of Calcite, Pyrite, Gypsum, Quartz and Magnetite.

DAVID L. GLÜCK, New York City. ✓

1 Specimen of Garnet from Salda, Col.

ALEŠ HRDLÍČKA, New York City. ✓

1 Specimen of amygdaloidal Trap from northern Jalisco, Mexico.

A. C. JOHNSON, New York City. ✓

7 Specimens of Graphite from seven localities in North America.

A. B. KEELER, Seattle, Washington. ✓

3 Specimens of minerals from Washington and British Columbia.

THE KENTUCKY DIAMOND MINING AND DEVELOPING CO.,
Minneapolis, Minn.

Specimens of Garnet, Ilmenite, Peridotite, Surface Ash and Hydrocarbon from Kentucky.

WILLIAM B. MCKINLEY, New York City. ✓

2 Specimens of Copper from Osceola Mine, Mich.

J. A. MANLEY, New Brunswick, N. J. ✓

1 Specimen of Pyrite from South River, N. J.

✓ C. B. RIGGS, New York City. ✓

22 Specimens from the Rapid Transit Subway.

✓ E. SCHERNIKOW, New York City. ✓

44 Specimens of minerals from Manhattan Island and vicinity.

DR. JOSEPH SIMMS, New York City. ✓

3 Mineral specimens from Tasmania, Arizona and Mexico.

HARLAN I. SMITH, New York City. ✓

3 Specimens of petrified Wood from Columbia River.

JOSEPH F. TALSON, through DR. GEO. N. TALSON, Glen Ridge, N. J. ✓

611 Specimens of minerals from the Weehawken Tunnel, N. J.

✓ CLARENCE H. TELLER, New York City. ✓

1 Specimen of Onyx.

✓ MRS. FREDERICK F. THOMPSON, New York City. ✓

6 Specimens of Quartz with Chalcopyrite and Sphalerite, from Ellenville, N. Y.

H. J. THOMPSON, San Francisco, Cal. ✓

Annabergite, in gangue, from Churchill Co., Cottonwood Cañon, Nevada.

F. A. THUM, M. E., Mich. ✓

1 Specimen of Domeykite from Mohawk Mine, Michigan.

1 " " Whitneyite " " " "

F. WATTS, New York City. ✓

3 Specimens of Dolomite from West 215th St., New York.

BY EXCHANGE.

1 Specimen of Dolomite with Chalcopyrite, from Joplin, Mo.

1 " " Marcasite from Joplin, Mo.

1 " " Septaria from England.

1 " " Pyrite on Slate from Lehesten, Germany.

1 " " Hornblende Gneiss with Epidote, from the Rapid Transit Subway, New York City.

Specimens of Wulfenite from District of Arizpe Lenora, Mexico.

Sartorite, Humite, Rathite, Selegmannite and Baumhauerite from Binnenthal, Switzerland.

1 Specimen of Zeophyllite from Grau-Prinen, " "

2 " " Apophyllite from West Paterson, N. J.

1 " " Pectolite from Snake Hill, N. J.

1 " " Heulandite with Stilbite from Little Falls, N. J.

1 " " Paramelaconite from Bisbee, Arizona.

✓ 4 " " Chalcedonized Turritellas from Japan.

✓ 1 " " Beryl from Orisavi, Finland.

✓ 1 " " Hell-fire Rock from Utah.

BY PURCHASE.

- 1 Large Quartz crystal from California.
- 10 Twinned Calcite crystals from Joplin, Mo.
- 1 Specimen of Arsenic (native) from Alden Island, British Columbia.
- 1 " " Carnotite from Dolores Co., Colorado.
- 1 " " Fayalite from Rockport, Mass.
- 1 " " Cyanite from St. Gothard, Switzerland.
- 1 " " Babingtonite from Barend, Italy.
- 1 " " Granuline from Mt. Vesuvius, Italy.

CONCHOLOGY.

BY DONATION.

- J. H. BATTY, New York City.
 - 5 Specimens of *H. (Lysina) humboldtiana*, Val., Durango, Mexico.
- WILLIAM BEUTENMÜLLER, New York City.
 - 114 Specimens of land shells from the Great Smoky Mts. N. C.
- BARNUM BROWN, New York City. ✓
 - 309 Specimens, representing 21 species of the following genera: *Chiton*, *Patella*, *Fissurella*, *Nacella*, *Trophon*, *Mactra*, *Monoceras*, *Petricola*, *Saxicava*, *Photinula*, *Modiolarca* and *Natica*, from Patagonia, S. A.
- F. H. CHURCH.
 - 8 Specimens of *Tapes variegata*, from Corea.
- T. S. CLARKE, Palm Beach, Florida. ✓
 - 1 Specimen of *Voluta spirata*, Phil., from Palm Beach, Florida.
- F. A. CONSTABLE, New York City. ✓
 - 464 Specimens, including the following genera: *Ampullaria*, *Unio*, *Batissa*, *Melania*, *Hemiplecta*, *Cryptosoma*, *Xestina*, *Amphidromus*, *Camænella*, *Xestia*, *Camæna*, *Macrochlamys*, *Clausilia*, *Garnieria*, *Streptaxis*, *Hybocystis*, *Platyrhaphæ*, *Opisthophorus*, *Pseudotrochatella*, *Coptochilus*, *Cyclophorus*, *Pupina*, *Alycaeus*, *Procyclus*, *Pterocyclus*, *Platopylis*, *Eulota*, *Buliminus*, *Prosopæus*, *Plectotropis*, *Scabrina*, *Leptopoma*, *Helicina* and *Pseudodon* from Cochin China.
- L. P. GRATACAP, Staten Island, N. Y.
 - 1,400 Specimens of marine gasteropods from Vineyard Sound, Mass.
- REV. R. B. POST, New York City. ✓
 - 7 Lamellibranchs from New York and Maine.
- BRYANT WALKER, Detroit, Mich. ✓
 - 3 Specimens of *Planorbis companulatus*, Say, Mich.
 - 4 " " *Ancylus kirklandi*, Walker, Mich.
- DR. WILLIAM MORTON WHEELER, New York City. ✓
 - 3 Specimens of *Ashmunella cooperi*, from Pecos, New Mexico.

BY EXCHANGE.

- MRS. IDA S. OLDROYD, Burnett, California. ✓
 - 1,068 Specimens, including 151 species of marine lamellibranchs and gasteropods from California.
- SLOMAN ROUS, Brooklyn, N. Y. ✓
 - 10 Specimens of marine shells from South Africa.
- WILLIAM WEEKS, Brooklyn, N. Y.
 - 38 Specimens of *Marginella apicina*, Nassau.

DEPARTMENT OF VERTEBRATE PALÆONTOLOGY.

BY DONATION.

J. PIERPONT MORGAN, Skull of White Rhinoceros.

DR. ROBT. TELLER, Arkansas City, Ark. (through Prof. F. W. Putnam).
Teeth of extinct Sabre-tooth Tiger, Peccary and Bear, from a cave deposit in Arkansas, discovered by W. Conard.

BY EXCHANGE.

PEABODY MUSEUM, YALE UNIVERSITY, New Haven, Conn.

Casts of skull and jaws of *Brontotherium*, *Dinoceras* and *Tinoceras*,
and of *Anchiosaurus* skeleton.

BERLIN MUSEUM, Berlin, Germany.

6 Casts of skulls and 4 other casts of specimens of fossil amphibians.

MUSEO NACIONAL, Buenos Aires.

25 Casts of *Pyrotherium* and other rare Eocene fossil mammals of Patagonia.

UNITED STATES NATIONAL MUSEUM, Washington, D. C.

Casts of 3 type specimens of Mastodon teeth.

BY PURCHASE.

Skull of Hippopotamus.

Collection of fossil reptiles and fish from the Cretaceous chalk formation of Kansas.

THROUGH MUSEUM EXPEDITIONS.

JURASSIC OF WYOMING.

124 Specimens of Dinosaurs from Bone Cabin Quarry and vicinity.

CRETACEOUS OF SOUTH DAKOTA.

32 Specimens of fossil reptiles and 26 fossil fish from the marine Cretaceous south of Edgemont.

TERTIARY OF WYOMING.

426 Specimens of fossil mammals, and 166 specimens of fossil reptiles, from the Eocene of the Bridger Basin.

TERTIARY OF SOUTH DAKOTA (Whitney Fund).

167 Specimens of fossil Horses, Camels, etc., from the Upper Miocene of Little White River.

PLEISTOCENE OF ARKANSAS.

151 Specimens of fossil mammals from a fissure formation.

DEPARTMENT OF ARCHÆOLOGY.

BY DONATION.

S. L. PARRISH, Southampton, Long Island.

2 Metal spoons and stone celt from Shinnecock Hills.

PROF. BASHFORD DEAN, New York City.

Pottery head from Alabama.

H. H. BRIX, Saginaw, Mich.

Pottery fragments from Point Lookout, Michigan; potsherds, fish-bones and two shell implements from Coconut Grove, Florida.

- ✓ M. RAYMOND HARRINGTON, New York City.
- ✓ 42 Specimens of shell and pottery from Oyster Bay, Long Island.
- ✓ GLADSTONE FLAHERTY, New York City.
- Stone celt from Watchogue, Staten Island.
- ✓ DUKE OF LOUBAT, Paris, France.
- Papier-maché mould representing the water divinities Tlaloc and Coatlicue, from a sculptured rock near Teayo, Mexico.
- THOMAS SHIELDS CLARKE, New York City.
- ✓ Potsherds, and rock from a mound on New River, Florida.
- ✓ C. C. VAN LOON, New York City.
- Chipped drill found at Athens, New York.
- ✓ OWEN W. MILLS, Milbury, Mass.
- Photographs of specimens found in that locality.
- ✓ JAMES JOHNSON, New Westminster, B. C.
- Lantern Slide of the Lower Fraser.
- ✓ L. S. QUACKENBUSH, New York City.
- Thin stone hand-mill, grinder and chipped points from Bridger Bad Lands, Wyoming.
- ✓ PROF. HENRY F. OSBORN, New York City.
- Heavy stone hand-mill from Bridger Bad Lands, Wyoming.
- ✓ A. H. THOMPSON, Topeka, Kansas.
- Potsherds and obsidian fragments from Ruins of Tula, Mexico.
- ✓ LEWIS W. NIENDORF, New York City.
- Head of a terra-cotta figure from El Pital, State of Vera Cruz, Mexico.
- DE COST SMITH, New York City.
- Large chipped scraper from above timber line, Birch Creek, Idaho.
- ✓ GEORGE A. GLAENZER, New York City.
- 3 small pottery vessels and 1 stone idol from Costa Rica.
- WILLIAM JONES, New York City.
- Fragments of pottery, paint, and chipped forms.
- ✓ A. C. FARRELL.
- Shell rings from near Dunseith, North Dakota.
- ✓ TEOBERTO MALER, Merida, Yucatan.
- Stone mask from the Ruins of Tincontlan, Mexico.
- ✓ PEABODY MUSEUM, Cambridge, Mass.
- Use of original mould of Serpent Mound for making cast.
- Miss CELIA J. RILEY, New Gretna, N. J.
- 2 Specimens from Colombia, S. A.

BY EXCHANGE.

- C. A. GEER, Worcester, Mass.
- Collection of archæological specimens.
- UNITED STATES NATIONAL MUSEUM, Washington, D. C.
- Cast of a stone seat from Ecuador.
- DEPARTMENT OF VERTEBRATE PALÆONTOLOGY. 53?
- 2 Grooved axes.

BY PURCHASE.

- ✓ Perforated skull from Michigan.
- ✓ 52 Archæological specimens from Ecuador.

THROUGH MUSEUM EXPEDITIONS.

EXPLORATIONS IN NEW YORK STATE.

- ✓ 6 A large number of specimens from the Shinnecock Hills. Collected by M. R. Harrington.

EXPLORATION IN THE STATE OF WASHINGTON.

- ✓ 41 Collection of archæological specimens of stone and shell ornaments and implements. Made by Harlan I. Smith.

EXPLORATIONS IN MEXICO. 49

- ✓ 31 Ethnological and archæological specimens from the State of Oaxaca. Collected by M. H. Saville.

HYDE EXPEDITION. Provided for by B. T. B. Hyde and F. E. Hyde, Jr.

- ✓ 56 Collection of folk-pottery and archæological specimens from ancient and modern pueblos in Arizona and New Mexico. Made by George H. Pepper.

DEPARTMENT OF ETHNOLOGY.

BY DONATION.

- ✓ DUKE OF LOUBAT, Paris, France.
Cast of Haida slate carving, representing the "Bear-Mother."
- ✓ COMMANDER R. E. PEARY, U. S. N.
Eskimo skull from Smith Sound.
- ✓ F. H. CHURCH, Port Chester, N. Y.
Series of Korean coins.
- ✓ WILLIAM C. CURTIS, Norwalk, Conn.
Photograph of Seaticook baskets.
- ✓ GUSTAV RAMSPERGER, New York City.
1 Feather robe.
- ✓ HENRY V. HORGAN, New York City.
Skull from Inwood, N. Y.
- ✓ LIEUT. G. T. EMMONS, U. S. N., Princeton, N. J.
1 Shot mould from Tlingit, Alaska.
- ✓ J. K. FINCH, New York City.
Skull from Inwood, N. Y.
- ✓ DR. JOSEPH SIMMS, New York City.
Bow, arrows, beads and kettle from Memaloose Island, Columbia River.
- ✓ MISS CORA BREMER, Florenville, La.
Mortar and pestle from Choctaw Indians.
- ✓ ESTATE OF MRS. THOMAS C. DOREMUS, New York City.
2 Chinese screens.
- ✓ LYTTLETON FOX, New York City.
Katcinas from Hopi Indians, and moccasins from Sioux Indians.
- ✓ L. T. KATO, New York City.
Japanese straw horseshoes.
- ✓ PROF. BASHFORD DEAN, New York City.
Collection of Lapp material.
- ✓ MISS CELIA J. RILEY, New Gretna, N. J.
Specimens from Colombia, S. A.
- ✓ PROF. FRANCIS E. LLOYD, New York City.
Carib baskets and basketry material from Dominica and St. Vincent.

BY EXCHANGE.

NATIONAL MUSEUM OF VICTORIA, Melbourne, Australia.

- ✓1 Ethnological specimens from the interior of Australia.

BY PURCHASE.

- ✓14 Alaskan baskets.
✓27 Chilkat blanket pattern-board.
✓29 Iroquois mask and turtle rattle.
✓ Specimens from the Choctaws of Louisiana.
✓ Collection from Mexico.
✓ Specimens from New Mexico and California.

THROUGH MUSEUM EXPEDITIONS.

- ✓ A series of specimens from Baffin Land. Collected by Capt. James S. Mutch.
✓ Ethnological specimens from British Columbia. Collected by George Hunt.
✓ Ethnological collection from Thompson River region. Collected by James Teit.
✓ Specimens from the Lower Yukon. Collected by Rev. J. W. Chapman.
EAST ASIATIC EXPEDITION. Provided by Jacob H. Schiff.

- ✓ Large collection of ethnological specimens, including antique bronzes, kites, household utensils and ornaments, embroideries on silk, cloisonné work, masks, costumes, etc., from China. Collected by Dr. Berthold Laufer.

NORTH AMERICAN INDIAN RESEARCH.

HUNTINGTON EXPEDITION.

- ✓ Collection of ethnological specimens from the Shasta, Pit River and Maidu tribes of California. Made by Dr. Roland B. Dixon and Howard B. Wilson.

MUSEUM EXPEDITION.

- ✓ Collection of ethnological specimens from the Ojibwa, Menominee, and Sauk and Fox Indians. Made by William Jones.
✓ Collection of ethnological specimens from the Gros Ventres, Blackfeet and Assiniboine Indians. Collected by Dr. Clark Wissler.

DEPARTMENT OF ENTOMOLOGY.

BY DONATION.

✓ SAMUEL V. HOFFMAN, New York City.
300 Butterflies from Africa.

DR. WILLIAM MORTON WHEELER, New York City. ✓
Collection of North American Diptera, consisting of about 9,000 specimens and including many types.
Insects from Colorado and Texas.
Larvæ of *Passalus cornutus*.

MRS. MARGARET D. BASSETT, Waterbury, Connecticut. ✓
A collection of Gall-insects, containing several thousand specimens and many types.

CHARLES DURY, Cincinnati, Ohio.
A number of Beetles from Ohio.

H. H. NEWCOMB, Boston, Mass.
4 *Chionobas katahdin*, from Mt. Katahdin, Maine.

OTTO NEUMANN, Brazil.
Fruit of a Leguminosa infested with a weevil, from Brazil.

A. KWIAT, Chicago, Ill.
4 *Catocala* from Chicago, Illinois.

✓ WILLIAM T. DAVIS, Staten Island, N. Y.
1 Specimen of Gall (*Dryophanta polita*) on Post Oak.

CHARLES HUMPHREYS, New York City.
Butterflies from the Celebes.

J. R. DE LA TORRE BUENO, New York City.
28 Beetles from New York.

✓ WILBUR A. FORSHEIM, New York City.
1 Centipede, 1 Scorpion and 2 Spiders from California.

B. TALBOT B. HYDE, New York City.
A few Insects from Arabia.
✓ Insects from New Mexico, collected by G. H. Pepper.

H. F. WICKHAM, Iowa City, Iowa.
4 *Cychrus relictus*, 1 *Lachnosterna epigæa*, 4 *Eleodes longipilosa*, 4
Cicindela echo and 1 *Desmocerus wickhami*.

✓ OTTO SEIFERT, New York City.
5 *Arctia phalerata*.
2 *Sabulodes arcasaria*.

✓ ERNEST THOMPSON SETON, New York City.
2 *Dytiscus harrisii*, 1 *Dytiscus* sp. ? and 3 *Belostoma americana*,
from Winnipeg, Canada.

✓ CAPT. WIRT ROBINSON, West Point, N. Y.
Beetles from Jamaica, B. W. I.

✓ R. S. WILLIAMS.
Butterflies from Bogota, Colombia.

✓ MISS NORTON, New York City.
Specimens of Insects from South America.

✓ REV. F. PETER FISCHER, Belmont, N. C.
2 *Dynastes tityus* from North Carolina.

✓ DR. CHARLES COLARDEAU, Guadeloupe, F. W. I. (Through Dr. Hovey).
2 *Dynastes hercules*.

✓ SAMUEL HENSHAW, Cambridge, Mass.
2 *Carabus nemoralis* from Massachusetts.
Eggs of Gipsy Moth “ “

✓ EDWIN C. VAN DYKE, San Francisco, Cal.
Beetles from California.

✓ CHARLES W. LENG, Staten Island, N. Y.
Specimens of *Cicindela hirtilabris*, *C. scabrosa* and *C. abdominalis*,
from Florida.

A. F. BANDELIER, New York City.
Beetles from Sicasica, Bolivia.

✓ J. H. COMSTOCK, Ithaca, N. Y.
Specimens of *Blepharocera capitata*.

✓ HENRY SKINNER, Philadelphia, Pa. ✓

1 *Psychophora fasciata* from Alaska.

1 *Tyndaris prosopis*.

4 *Tegrodera aloga* (cotypes).

1 *Chrysothris edwardsii*.

4 *Trichodes illustris*.

✓ WILLIAM BEUTENMÜLLER, New York City. ✓

Collection of Insects from the mountains in North Carolina.

1 Katydid (*Cryptophyllus floridensis*) from Florida.

BY PURCHASE.

✓ 225 Inflated Larvæ of Lepidoptera. ✓

✓ 300 Cocoons, Pupæ and Eggs of Lepidoptera. ✓

✓ 9 *Pamphila carolina*. ✓

✓ Collection of exotic Beetles.

✓ Collection of Beetles from British Columbia, Canada. ✓

✓ About 5,000 Insects from Merida, Venezuela.

THROUGH MUSEUM EXPEDITIONS.

✓ About 7,000 specimens from the Black Mountains, N. C. Collected
by William Beutenmüller.

DEPARTMENT OF INVERTEBRATE ZOÖLOGY.

INVERTEBRATES.

BY DONATION.

✓ JOHN HISCOX, New York City.

1 Rock Crab.

✓ REV. M. B. CARLETON.

Several Invertebrates.

✓ J. A. R. DUNTZL, New York City.

1 Centipede.

✓ I. B. SNIFFEN, New York City.

Mollusk eggs.

✓ O. SCHARGERES, New York City.

1 Annelid.

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

5 Corals.

✓ DR. E. O. HOVEY, New York City.

1 Land Crab.

✓ DR. WILLIAM MORTON WHEELER, New York City.

Collection of Invertebrates.

✓ DR. JOSEPH SIMMS, New York City.

1 Scorpion.

✓ J. C. THOMPSON, M.D., U. S. N.,

2 Crabs, 3 Sea-spiders.

DR. C. B. DAVENPORT, Chicago, Ill.
1 Crab.

CHESTER ABBOT, New York City.
Egg-case of Periwinkle.

H. E. CHURCH, New York City.
5 Sand-dollars.

✓ R. WEBER, New York City.
Several Myriopods.

✓ DR. L. O. HOWARD, Washington, D.C.
Collection illustrating the Boll-weevil.

✓ Miss AUGUSTA RUCKER, Austin, Texas.
3 Solpugids, specimens of *Kanenia florenciæ*.

BY EXCHANGE.

✓ 4 Crayfishes.

BY PURCHASE.

- ✓ Collection of Mosquitoes—eggs, larvæ, pupæ and adults.
- ✓ 6 Actinians.
- ✓ Collection of Land Snail (*Helix alternata*), 406 specimens.
- ✓ 9 Insects.
- ✓ 7 Sets of Metamorphosis.
- ✓ 6 Specimens of Lingula.
- ✓ 1 Set models of Crepidula eggs.
- ✓ 11 Sets of Ziegler models.
- ✓ Collection of Brazilian Ants.
- ✓ Collection of Ants from Jalisco, Mexico.
- ✓ Collection of Protozoa.

THROUGH MUSEUM EXPEDITIONS.

✓ Invertebrates from Woods Hole, Mass. Collected by G. H. Sherwood.

REPTILES AND BATRACHIANS.

BY DONATION.

✓ NEW YORK ZOÖLOGICAL SOCIETY.

✓ Through New York Aquarium:

2 Salamanders, 1 Snapping Turtle, 1 Soft-shelled Turtle, 4 Turtles,
2 young Alligators.

✓ Through Zoölogical Garden:

3 Iguanas, 1 Cuban Iguana, 3 Snapping Turtles, 1 Soft-shelled
Turtle, 3 Turtles, 2 Water-moccasins, 3 Pine Snakes, 1 Ana-
conda, 1 Bushmaster, 1 Gopher Snake, 1 Chicken Snake, 11
Rattlesnakes, 1 Turtle.

✓ REV. M. B. CARLETON.

✓ Several Snakes.

✓ WILBUR A. FORSHEIM, New York City.

✓ 1 Lizard.

✓ A. V. B. HAWLEY, Salem Centre, N. Y.

✓ 1 Copperhead.

✓ J. D. FIGGINS, New York City.

✓ 1 Lizard.

✓ MASTER W. B. MOORE, New York City.

✓ 2 Horned Toads.

✓ F. A. SCHNEIDER, New York City.

✓ 1 Frog Skeleton.

✓ J. SANFORD DAVIS, Othello, N. J.

✓ 2 Snapping Turtles, 5 Musk Turtles.

✓ MRS. J. H. LEVERICK, New York City.

✓ 1 Crocodile Skull.

✓ DEPARTMENT OF PARKS, New York City.

✓ 1 Boa, 1 Snake.

✓ G. ADOLPH HINE, New York City.

✓ 3 Snakes.

✓ MISS CHARLOTTE SIMM, Tarrytown-on-Hudson, N. Y.

✓ 1 Rattlesnake skin.

BY EXCHANGE.

✓ 4 Salamanders. ✓

BY PURCHASE.

✓ 12 Snakes.

✓ 3 Models of *Sphenodon* skull.

✓ 3 Long-necked Turtles.

✓ 24 Salamanders (*Necturus*). ✓

THROUGH MUSEUM EXPEDITIONS.

✓ Several Reptiles and Batrachians. Collected by J. H. Batty in Mexico.

FISHES.

BY DONATION.

✓ NEW YORK ZOÖLOGICAL SOCIETY, through New York Aquarium:

✓ 1 Rainbow Trout, 2 Muskalonge, 2 Sharks, 1 Amberfish, 1 Smooth Puffer, 1 Drumfish, 1 Grouper, 1 Tautog.

✓ JOHN HISCOX, New York City.

✓ 2 Garpikes, 1 Snapper, 1 Smooth Puffer, 1 Fish.

✓ H. R. BISHOP, New York City.

✓ 2 Tarpon (mounted).

✓ H. PERCY ASHLEY, New York City.

✓ Tarpon fishing gear.

✓ WILLIAM KING, JR., New York City.

✓ 2 Garpikes.

- ✓ J. C. CASE, Peconic, N. Y.
3 Pilotfish.
- ✓ DR. JOSEPH SIMMS, New York City.
Sword of Swordfish.
- ✓ J. C. THOMPSON, M.D., U.S.N.
13 Fishes.
- ✓ BUREAU OF FISHERIES, through HON. GEORGE M. BOWERS, Washington, D. C.
200 Hawaiian Fishes.

BY EXCHANGE.

✓ 13 Fishes.

BY PURCHASE.

- ✓ 12 Mounted Fish Skins. ✓
- ✓ 2 Chimeras. ✓
- ✓ 1 Shark. ✓

MISCELLANEOUS.

BY DONATION.

- ✓ MRS. M. T. BROCKWAY, New York City.
1 Human Skull (disarticulated).
- ✓ GEN. J. WATTS DE PEYSTER, New York City.
Cap made from moose lip.
- ✓ J. H. ROGERS, Townsville, Queensland.
Deformed hoof of cow.

BY PURCHASE.

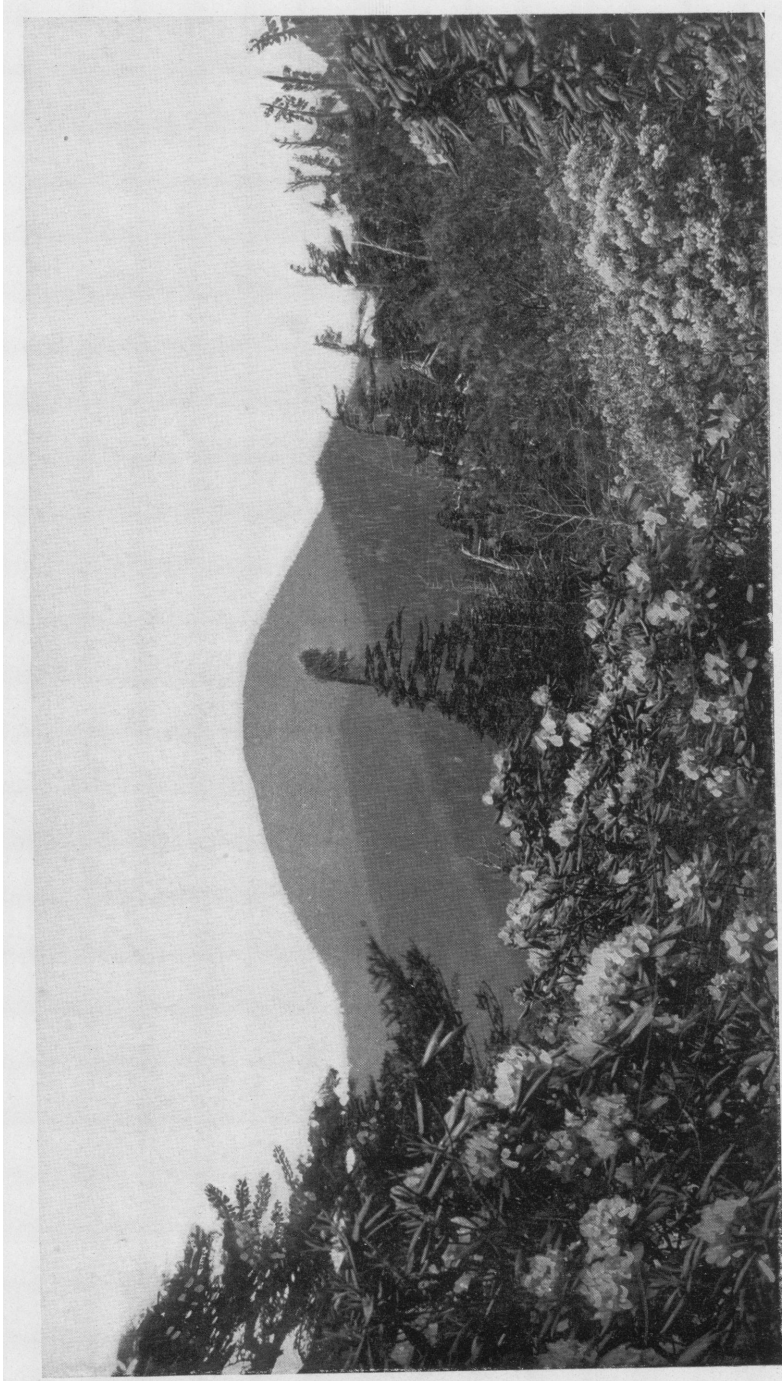
- ✓ 1 Human Skeleton (disarticulated).

LIBRARY.

	Volumes	Numbers	Pamphlets	Charts	Plates
By Donation.....	505	1,483	350	7
By Exchange.....	273	1,035	108
By Purchase.....	174	931	37	24	24
Totals	952	3,449	495	24	31

DEPARTMENT OF MAPS AND CHARTS.

	Atlases	Maps	Charts	Folding Globe
By Donation.....	23	261	1
By Exchange.....	27	275
By Purchase	1	1	6
Totals	51	537	6	1



THE HOFFMAN ENTOMOLOGICAL EXPEDITION—BLACK MOUNTAINS OF NORTH CAROLINA

The view shows the dome of Mt. Mitchell (6770 ft.), the fir balsams with their branches bent by the prevailing winds, and the rhododendrons a mass of flowers.

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."

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, and in case of the death or accepted resignation of any Trustee, a new Trustee shall be elected to fill his place by the remaining Trustees; but no election of a Trustee shall be held except at a quarterly meeting of the Trustees, on written notice of not less than one week, specifying that such election is to be held, and the vacancy which is to be filled; and every election of Trustees shall be by ballot, and no person shall be deemed to be elected a Trustee, unless he shall receive the votes of at least three-fourths of the Trustees present.

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 and a Treasurer, all to be elected from the 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 appointed by the Board of Trustees. He shall be present, unless otherwise ordered by the Board, at all the meetings of the Museum and Trustees, of the Executive Committee and of 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 directions, 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 their 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 shall be four. The five members of the Executive Committee, elected in February, 1887, shall forthwith draw lots for terms of one, two, three, four and five years, respectively, and the terms for which those drawing the two, three, four and five years, respectively, were elected, are hereby extended to cover those periods; and hereafter at each annual election one member of the Executive Committee shall be elected to serve for five years. 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, including the Treasurer. It shall be their duty to take charge of and invest the funds of the Museum in its name, and to take all proper measures to provide means for its support; and they shall have the sole custody of the securities belonging to the invested funds of the Museum, subject to the order of the Board of Trustees.

ARTICLE IX.

The Nominating Committee shall be composed of three, to whom shall be first submitted the name of any person proposed as a candidate for election to membership in the Board of Trustees. The Committee shall report on such candidates from time to time, as they may deem to be for the interest of the Museum.

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 from time to time be made 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 one 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 gentleman shall hereafter be eligible to the position of a Trustee who shall not be a "Patron" of the Museum, unless by a unanimous vote of a quorum of the Board—excepting Trustees *ex-officio*—nor be eligible unless his name shall be presented by the Nominating Committee at a Regular Quarterly Meeting prior to the meeting at which said election shall take place.

IV.

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.

V.

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.

VI.

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.

VII.

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.

VIII.

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

THE MAINTENANCE APPROPRIATION.

BY THE LEGISLATURE, 1902.

CHAPTER 246.

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

ACCEPTED BY THE CITY.

Became a law March 26th, 1902, with the approval of the Governor.

Passed, three-fifths being present.

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

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

SECTION 2. This act shall take effect immediately.

State of New York, }
Office of the Secretary of State. } ss.

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

(Signed) JOHN T. McDONOUGH, *Secretary of State.*

CONSTRUCTION AND INSTALLATION OF A NEW HEATING AND LIGHTING PLANT.

LEGAL ENACTMENTS OF 1902.

BY THE BOARD OF ALDERMEN.

An Ordinance to provide for an issue of Corporate Stock in the sum of two hundred thousand dollars (\$200,000) the proceeds to be used to provide means for the construction and installation of a new heating and lighting plant for the American Museum of Natural History, in the Borough of Manhattan.

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

SECTION 1. The Board of Aldermen hereby approves of and concurs in the following resolution adopted by the Board of Estimate and Apportionment June 13, 1902, authorizing 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 amended Greater New York Charter, the Board of Estimate and Apportionment hereby approves of the issue of bonds to an amount not exceeding two hundred thousand dollars (\$200,000), for the purpose of providing means to pay for the construction and installation of a new heating and lighting plant for the American Museum of Natural History in the Borough of Manhattan, and that when authority therefor shall have been obtained from the Board of Aldermen, the Comptroller is authorized to issue Corporate Stock of The City of New York in the manner provided by Section 169 of the Greater New York Charter, as amended by Chapter 563 of the Laws of 1902, to an amount not exceeding two hundred thousand dollars (\$200,000), the proceeds thereof to be applied to the purposes aforesaid.”

Adopted by the Board of Aldermen July 22, 1902, a majority of all the members elected voting in favor thereof.

Approved by the Mayor July 30, 1902. (Signed) P. J. SCULLY, *Clerk.*

Contracts awarded to December 31, 1903.

For the Erection and Completion of a New Wing for a New Heating, Power and Electric Light Plant, for the American Museum of Natural History.

Contract awarded Thomas Cockerill & Son, May 18, 1903, \$184,500.

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

LEGAL ENACTMENTS OF 1903.

BY THE BOARD OF ALDERMEN.

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

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

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

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

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

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

Contracts awarded to December 31, 1903.

For the Completion and Construction of Entrance Hall and Toilets, Changes to Elevator, Steam, Water and Electric Works, New Steam Mains and Construction of Rooms for Teachers for the American Museum of Natural History.

Contract awarded Louis Wechsler, November 18, 1903, \$92,500.

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. LANDON.*
 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.*
 THEO. 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.
 MISS 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.

FELLOWS.

SAMUEL WILLETS.*
 ROBERT GORDON.
 HOWARD POTTER.*
 C. V. S. ROOSEVELT.*

CHARLES W. GRISWOLD.*
 SAMUEL F. B. MORSE.*
 RUTHERFORD STUYVESANT.
 MEREDITH HOWLAND.*

* Deceased.

MARSHALL O. ROBERTS.*

JOHN ALSTYNE.*

O. B. POTTER.*

HON. LEVI P. MORTON.

HANSON K. CORNING.*

STEWART BROWN.*

ABRAM DUBOIS.*

TIFFANY & CO.

LUCIUS TUCKERMAN.

ALFRED B. DARLING.*

A. A. LOW.*

RICHARD MORTIMER, JR.

THOS. A. VYSE, JR.

GEORGE G. GRAY.*

GOVERNEUR 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.

LIFE MEMBERS.

C. R. AGNEW.

G. B. AGNEW.

JOHN E. ALEXANDRE.

RICHARD H. ALLEN.

MRS. BLANCHE L. ANDREWS.

CONSTANT A. ANDREWS.

B. G. ARNOLD.

JOHN JACOB ASTOR.

J. T. ATTERBURY.

HUGH D. AUCHINCLOSS.

* Deceased.

SAMUEL P. AVERY.
 SAMUEL P. AVERY, Jr.
 Mrs. JAMES C. AYER.*
 Miss E. AYMAR.
 JAMES A. BAILEY.
 JAS. MUHLENBERG BAILEY.
 JOSEPH C. BALDWIN.
 DAVID BANKS.
 Miss CORA F. BARNES.
 JOHN S. BARNES.
 HENRY I. BARBEY.
 THOMAS BARING.
 FORDYCE BARKER, M.D.*
 J. O. BARTHOLOMEW.
 W. H. BEADLESTON.*
 GEORGE E. BELCHER, M.D.*
 BERTRAND F. BELL.
 C. M. BELL, M.D.*
 DENNISTOUN M. BELL.
 AUGUST BELMONT.
 THEODORE BERDELL.*
 JOHN E. BERWIND.
 SAMUEL R. BETTS.
 FREDERICK BILLINGS.
 Miss MARY M. BILLINGS.
 CORNELIUS N. BLISS.
 Miss CATHERINE A. BLISS.
 GEORGE BLUMENTHAL.
 A. K. BOLAN.
 GEORGE C. BOLDT.
 Mrs. WM. H. BRADFORD, Sr.
 HENRI M. BRAEM.*
 BENJAMIN BREWSTER.
 WILLIAM BREWSTER.
 CHAS. P. BRITTON.
 HON. ADDISON BROWN.
 FRANK G. BROWN.*
 GEORGE H. BROWN.*
 JAMES M. BROWN.*
 DAVID L. BRUCE-BROWN.
 Miss M. W. BRUCE.
 R. L. BURTON.
 JOSEPH BUSHNELL.
 THOMAS C. BUSHNELL.*
 JOHN L. CADWALADER.

Mrs. ALEX. CAMERON.
 CHAS. M. CAULDWELL, M.D.
 ISAAC P. CHAMBERS.*
 C. W. CHAPIN, Jr.
 Mrs. GEO. H. CHATILLON.
 HENRY CHAUNCEY.
 HUGH J. CHISHOLM.
 E. DWIGHT CHURCH.
 FREDERIC E. CHURCH.*
 LESTER B. CHURCHILL.
 BANYER CLARKSON.
 GEORGE C. CLAUSEN.
 CHAS. D. CLEVELAND.
 TREADWELL CLEVELAND.
 HENRY CLEWS.
 CHARLES L. COLBY.*
 W. W. COLE.
 BIRD S. COLER.
 EDWARD COLGATE.*
 WILLIAM COLGATE.
 Miss GEORGETTE T. A. COLLIER.
 Miss ELLEN COLLINS.
 SAMUEL D. COLLINS.
 Mrs. WILLIAM COMBE.
 FRED. H. COMSTOCK.
 WASHINGTON E. CONNOR.
 CHARLES H. CONTOIT.*
 WM. L. CONYNGHAM.
 HENRY H. COOK.
 EDWARD COOPER.
 THEODORE COOPER.
 JOHN J. CORNING.
 Mrs. SALLY MORRIS CORY.
 ALEX. I. COTHEAL.*
 Miss ELLEN H. COTHEAL.
 DAVIES COXE, M. D.
 S. D. COYKENDALL.
 ZENAS CRANE.
 FREDERIC CROMWELL.
 JAMES CRUIKSHANK.*
 A. DALRYMPLE.*
 CHAS. M. Da COSTA.*
 EDMUND W. DAVIS.
 CHAS. STEWART DAVISON.
 HENRY J. DAVISON.*

* Deceased.

THOMPSON DEAN.*
 E. J. DE COPPET.
 GEORGE B. DE FOREST.
 S. DeJONGE.
 ALBERT DELAFIELD.
 EUGENE DELANO.
 WILLIAM DEMUTH.
 F. W. DEVOE.
 ANTHONY DEY.
 J. H. DE MOTT.*
 GEN. J. WATTS DE PEYSTER.
 CLEVELAND H. DODGE.
 NORMAN W. DODGE.
 PETER DOELGER.
 PETER DONALD.
 E. J. DONNELL.*
 JAMES DOUGLAS.
 ANDREW E. DOUGLASS.*
 Miss ETHEL DU BOIS.
 WILLIAM A. DU BOIS.
 R. G. DUN.*
 WM. BUTLER DUNCAN.
 JAMES H. DUNHAM.*
 GEO. ELSWORTH DUNSCOMBE.
 Mrs. DAVID S. EGLESTON.
 GEORGE EHRET.
 CARL EICKEMEYER.
 AMBROSE K. ELY.
 Dr. HENRY C. ENO.
 WM. P. ENO.
 EDWARD J. FARRELL.
 HENRY FERGUSON.
 CORTLANDT DE PEYSTER FIELD.
 JOHN FITCH.*
 WM. L. FLANAGAN.*
 PROF. A. E. FOOTE.*
 JAMES B. FORD.
 JAMES FRASER.*
 C. LINCOLN FREE.
 FRANCIS P. FREEMAN.*
 SETH BARTON FRENCH.
 GEORGE GARR.*
 WILLIAM H. GEBHARD.
 THEODORE K. GIBBS.
 PARKE GODWIN.

Dr. FREDERIC G. GOODRIDGE.
 JAMES J. GOODWIN.
 STEPHEN T. GORDON.*
 MADISON GRANT.
 NORMAN GRANT.
 HORACE GRAY.*
 ANDREW H. GREEN.*
 MORRIS M. GREEN.
 JOHN GREENOUGH.
 JOHN N. A. GRISWOLD.
 JAMES B. M. GROSVENOR.
 DANIEL GUGGENHEIM.
 S. R. GUGGENHEIM.
 BERNARD G. GUNTHER.
 FRANKLIN L. GUNTHER.
 ALEX. HADDEN, M.D.
 JOHN A. HADDEN.
 JOHN P. HAINES.
 RICHARD T. HAINES.*
 W. A. HAINES.
 Miss E. S. HAINES.
 Mrs. W. A. HAINES.
 Miss L. P. HALSTED.
 WILLIAM M. HALSTED.*
 WILLIAM GASTON HAMILTON.
 E. H. HARRIMAN.
 ALAN C. HARRIS.
 FRANCIS B. HARRISON.
 BENJAMIN HART.*
 Dr. LOUIS HAUPT.
 FREDERICK C. HAVEMEYER.*
 WILLIAM F. HAVEMEYER.
 JACOB HAYS.*
 Mrs. E. HERRMAN.
 CHARLES C. HIBBARD.
 JAMES J. HIGGINSON.
 Very Rev. E. A. HOFFMAN, D.D., LL.D.*
 GEORGE B. HOPKINS.
 THEO. D. HOWELL.*
 Mrs. FLORENCE HOWLAND.
 ALFRED M. HOYT.
 ALFRED W. HOYT.
 MARK HOYT.*
 WILSON G. HUNT.*
 ARCHER M. HUNTINGTON.

* Deceased.

C. P. HUNTINGTON.*
 FRANK D. HURTT.
 DR. FREDERICK E. HYDE.
 JAMES H. HYDE.
 GEORGE ILES.
 W. B. ISHAM.
 D. B. IVISON.*
 V. H. JACKSON, M.D., D.D.S.
 A. JACOBI, M.D.
 Miss LAURA JACOBI.
 ARTHUR CURTISS JAMES.
 WALTER B. JAMES.
 Miss C. O. JONES.
 CHAS. H. KALBFLEISCH.*
 GEORGE KEMP.*
 RUDOLPH KEPPLER.
 JOHN KING.*
 JOHN ALSOP KING.*
 A. C. KINGSLAND.
 WM. M. KINGSLAND.
 PERCIVAL KNAUTH.*
 THEODOR WHITMAN KNAUTH.
 GEORGE T. KNIGHT.
 JAMES KNIGHT, M.D.*
 H. R. KUNHARDT, Jr.,
 GEORGE F. KUNZ.
 WOODBURY G. LANGDON.
 DR. FRED E. LANGE.
 JOSEPH LAROCQUE.
 JOHN BURLING LAWRENCE.
 JAMES M. LAWTON.*
 STEPHEN R. LESHER.*
 JOHN R. LIVERMORE.
 MORRIS LOEB.
 BERNARD LOTH.
 JOSEPH LOTH.
 JAMES LOW.*
 SETH LOW, LL.D.
 EDWARD LUCKEMEYER.
 RICHARD S. LULL.
 E. H. R. LYMAN.*
 CHAS. W. McALPIN.
 Mrs. GEORGE McANENY.
 JOHN J. McCOOK.
 JOHN B. McDONALD.

EMERSON McMILLIN.
 CLARENCE H. MACKAY.
 Mrs. WM. H. MACY, Jr.
 JACOB MAHLER.*
 ALEXANDER MAITLAND.
 GODFREY MANNHEIMER.
 PETER MARIE.*
 FRANCIS H. MARKOE, M.D.
 HENRY G. MARQUAND.*
 LOUIS MARSHALL.
 BRADLEY MARTIN.
 WILLIAM C. MARTIN.*
 ALBERT MATHEWS.*
 GEORGE W. MAYNARD.
 WALTER E. MAYNARD.
 JOHN T. METCALFE, M.D.*
 JACOB MEYER.
 DR. A. B. MEYER.
 CHARLES ADDISON MILLER.*
 DR. GEO. N. MILLER.
 A. G. MILLS.
 Mrs. J. W. MINTURN.
 ROBERT B. MINTURN.*
 ROWLAND G. MITCHELL, Jr.
 E. A. MOEN.
 E. C. MOORE.*
 JOHN G. MOORE.*
 Mrs. E. C. MOORE.
 CHARLES MORAN.*
 J. PIERPONT MORGAN, Jr.
 FORDHAM MORRIS.
 JAMES MORRIS.
 DR. LEWIS R. MORRIS.
 MANDEVILLE MOWER.*
 PERCY MUSGRAVE.
 THOMAS B. MUSGRAVE.*
 W. B. NEFTTEL, M.D.
 H. VICTOR NEWCOMB.
 MORTON C. NICHOLS.
 W. D. NICHOLS.
 WILLIAM NIVEN.
 THOMAS H. O'CONNOR.
 C. H. ODELL.
 E. OELBERMANN.*
 Mrs. CATHARINE L. OLMSTED.

* Deceased.

H. O'NEILL.*
 A. O. OSBORN.*
 Mrs. A. O. OSBORN.
 Miss JULIETTE A. OWEN.
 JOHN C. OSGOOD.
 JAMES F. O'SHAUGHNESSY.
 HENRY PARISH.
 JOHN E. PARSONS.
 GEO. FOSTER PEABODY.
 WILLIAM I. PEAKE.*
 ALFRED PELL.
 Miss FRANCES PELL.
 W. H. PERKINS.
 W. R. PETERS.
 HENRY CLAY PIERCE.
 GIFFORD PINCHOT.
 JAMES W. PINCHOT.
 HENRY B. PLANT.*
 JOHN PONDIR.
 HENRY A. V. POST.
 THOMAS POTTS.
 GEORGE C. RAND.
 A. A. RAVEN.
 ISAAC H. REED.*
 J. W. REINHART.
 ROBERT G. REMSEN.*
 AUGUSTE RICHARD.
 GEORGE RICHARDS.*
 CHANDLER ROBBINS.
 MILTON ROBBINS.
 ALFRED ROELKER.
 ARCHIBALD ROGERS.
 FRANKLIN D. ROOSEVELT.
 JACOB RUBINO.
 ARTHUR RYLE.
 WM. R. SANDS.
 F. AUGUSTUS SCHERMERHORN.
 ERNEST SCHERNIKOW.
 SAMUEL B. SCHIEFFELIN.*
 JACOB H. SCHIFF.
 Mrs. E. KEEP-SCHLEY.*
 WM. R. SCHMELZEL.
 NICOLAS SOKOLNIKOFF.
 WM. F. SEBERT.
 JAS. O. SHELDON.

ELLIOTT F. SHEPARD.*
 JOHN H. SHERWOOD.*
 I. H. SHOENBERGER.*
 CHAS. S. SHULTZ.
 ALBERT SMITH.
 HENRY MILFORD SMITH.
 L. DINWIDDIE SMITH.
 S. N. SOLOMON.
 HENRY F. SPAULDING.*
 JAMES SPEYER.
 GEORGE L. STEBBINS.
 LOUIS STERN.
 FRANCIS LYNDE STETSON.
 ALEX. H. STEVENS.
 C. AMORY STEVENS.
 ANSON PHELPS STOKES.
 Miss OLIVIA E. P. STOKES.
 Miss ANNIE STONE.
 ADOLPH D. STRAUS.
 ISIDOR STRAUS.
 THOMAS W. STRONG.*
 HENRY M. TABER.*
 JAMES TERRY.
 SAMUEL THOMAS.*
 FRED. F. THOMPSON.*
 SAMUEL THORNE.
 CHARLES E. TILFORD.*
 A. N. TOWNE.*
 A. B. TOWNSEND.
 EFFINGHAM TOWNSEND.*
 SPENCER TRASK.
 WILLIAM TROTTER.
 Miss H. OLIVE TROWBRIDGE.
 EDWARD TUCK.
 EDWARD UHL.
 FREDERICK UHLMANN.
 C. VANDERBILT.*
 GEO. W. VANDERBILT.
 H. D. VAN NOSTRAND.*
 ROBERT A. VAN WYCK.
 HERMAN C. VON POST.
 W. A. WADSWORTH.
 Dr. HENRY F. WALKER.
 WILLIAM R. WARREN.
 JOHN I. WATERBURY.

*Deceased.

SILAS D. WEBB.
W. SEWARD WEBB.
BENJAMIN WELLES.
FREDERICK B. WENDT.
Mrs. JOS. M. WHITE.
LOOMIS L. WHITE.*
CHAS. E. WHITEHEAD.*
ALFRED R. WHITNEY.
ED. KIRK WILLARD.
HOWARD WILLETS.
JOHN T. WILLETS.
ROBERT R. WILLETS.*

S. C. WILLIAMS.*
BENJAMIN A. WILLIS.*
EDWARD WINSLOW.
GRENVILLE L. WINTHROP.
JOHN WOLFE.*
Mrs. CHAS. BOUGHTON WOOD.
L. G. WOODHOUSE.
HENRY H. WOTHERSPOON.
Miss FANNY ELLEN WRIGHT.
JOHN H. WYMAN.*
Mrs. JOHN J. WYSONG.

* Deceased.

ANNUAL MEMBERS.

Abeel, George	Asten, Mrs. Thomas B.	Baumann, Gustav
Abegg, Henry	Auchincloss, Hugh D.	Baylies, Edmund L.
Abegg, J. H.	Auchincloss, John W.	Baylies, Mrs. N. E.
Achelis, Fritz	Aufhauser, Samuel	Baylis, Wm.
Acker, Franklin	Aycrigg, B. Arthur	Beadleston, Mrs. W. H.
Ackerman, Ernest R.	Aycrigg, Mrs. Jeanie G.	Beckhard, Martin
Adams, Mrs. T. M.		Beekman, Gerard
Adee, Philip H.	Babcock, H. D.	Belden, Mrs. C. D.
Adler, J., M.D.	Bacon, Daniel	Belding, Jr., M. M.
Agar, John G.	Bacon, Daniel	Beller, A.
Agnew, A. G.	Bacon, Edward R.	Benedict, A. C.
Agnew, Miss Eleanor	Baker, Frederic	Benedict, James H.
Aitken, John W.	Baker, George F.	Benedict, Miss Louise
Alden, R. Percy	Baker, Robert B.	Beers, M. H.
Aldrich, Mrs. H. D.	Baker, Stephen	Beinecke, B.
Aldrich, Mrs. J. H.	Baker, W. E.	Benet, Miss Lillian
Aldrich, Spencer	Baldwin, Frederick H.	Bernheim, Gustav
Alexander, Harry	Baldwin, J. G., M.D.	Bernheimer, Mrs. A.
Alexander, Jas. W.	Baldwin, O. D.	Bernheimer, Charles L.
Alexander, John F.	Baldwin, W. D.	Bernheimer, Simon E.
Alexandre, J. H.	Baldwin, W. H., Jr.	Berryman, Mrs. H. W.
Allen, Calvin H.	Ball, Thomas R.	Berwind, Edward J.
Altschul, C.	Ballantine, Robert F.	Betts, Frederick H.
Amend, Bernard G.	Ballard, Fred'k E.	Bien, Julius
Amundson, John A.	Ballin, Gustav	Bier, Sylvan
Andreini, J. M.	Bangs, Fletcher H.	Biglow, Lucius Horatio
Andrews, Mrs. George P.	Bangs, L. Bolton, M.D.	Birdsall, Mrs. W. R.
Appleton, Daniel	Banyer, Goldsborough	Blackman, Louis H.
Appleton, W. W.	Barber, A. L.	Blagden, George
Archbold, John D.	Barbour, J. E.	Blair, Mrs. D. C.
Archer, George A.	Barbour, W. D.	Bliss, Ernest C.
Arend, F. J.	Barnes, Miss Cora	Bliss, Mrs. William H.
Arkush, Reuben	Barnes, E. W.	Blodgett, Mrs. Wm. T.
Armour, Mrs. H. O.	Barnes, John S.	Bloodgood, John H.
Arms, George	Barney, Chas. T.	Bloomingdale, Lyman G.
Armstrong, Charles P.	Barney, N. C.	Blossom, Benj.
Armstrong, James	Barr, William	Blumenstiel, A.
Armstrong, John H.	Barton, Frederick O.	Blumenthal, Aug.
Arnold, E. S. F., M.D.	Batchelor, Charles	Blumgart, Louis
Ashwell, W. C.	Bates, Henry B.	Boas, Emil L.
Asiel, E.	Baugh, Mrs. Margaret L.	Boettger, Henry W.

Boettger, Th. M.	Burden, James A.	Clancy, John J.
Bogert, E. C.	Burdge, Franklin	Clark, Charles F.
Bogert, Henry A.	Burgess, Edward G.	Clark, Cyrus
Bogert, Stephen G.	Burr, Wm. H.	Clark, D. Crawford
Bond, Frank S.	Busselle, S. Marshall	Clark, George C.
Bond, William Edward	Butler, Miss Helen C.	Clark, Julian B.
Bonn, William B.	Butler, Wm. Allen, Jr.	Clark, William N.
Bookstaver, Hon. H. W.	Byrne, John	Clarke, George C.
Borg, Sidney C.		Clarke, Thomas B.
Borg, Simon	Cæsar, H. A.	Clarke, Thomas Shields
Boskowitz, I.	Cameron, W. L.	Cleveland, Clement
Bowdoin, George S.	Calder, George	Clinch, Edward S.
Bowdoin, Temple	Callaway, S. R.	Clowry, Robert C.
Bowers, John M.	Calman, Henry L.	Clyde, William P.
Bowne, S. W.	Cammann, H. H.	Cochrane, John W.
Bradley, S. R.	Cammann, Miss I. M.	Cockran, W. Bourke
Bradley, William H.	Campbell, John	Coffin, Edmund
Brady, James B.	Cannon, H. W.	Coggeshall, Edwin W.
Brainard, Frank	Cardozo, Michael H.	Cohen, Samuel M.
Brandegee, Dr. W. P.	Carlebach, Emil	Cohn, Julius M.
Brenner, Victor D.	Carleton, Mrs. G. W.	Cohn, Dr. Louis
Breslin, James H.	Carr, Alfred	Colburn, N. A.
Brett, George P.	Carter, James C.	Colby, Howard A.
Brewster, Charles O.	Carter, Samuel T.	Cole, Mrs. Hugh L.
Briesen, Arthur von	Carter, Walter S.	Colgate, Abner W.
Briesen, Frank von	Carton, Andrew B.	Colgate, R. R.
Brinckerhoff, Elbert A.	Case, Charles L.	Collins, Miss Ellen
Bristol, John I. D.	Cassard, William J.	Condit, William L.
Brogan, John J.	Castree, John W.	Condon, Thomas G.
Brookman, Mrs. H. D.	Caswell, John H.	Conger, Henry C.
Brower, Wm. L.	Cathcart, Miss Jennie R.	Conkling, Rev. Dr. N. W.
Brown, Alfred S.	Chambers, Frank R.	Cook, Chas. T.
Brown, Charles A.	Chambers, James	Cooke, Henry D.
Brown, Charles F.	Champion, Chas. Perry	Corbin, Austin
Brown, Miss E. W.	Chapman, Clarence E.	Corlies, Benjamin F.
Brown, J. Crosby	Chesebrough, Robert A.	Cornell, R. R.
Brown, Thatcher M.	Chew, Beverly	Corning, Christopher R.
Brown, Vernon H.	Chichester, Chas. F.	Costello, Alfred
Brown, W. P.	Chilton, H. P.	Costello, P. C.
Browning, Wm. H.	Chisolm, George E.	Cowles, David S.
Bruggerhoff, F. W.	Chittenden, J.	Cox, C. F.
Bryce, William	Choate, Wm. G.	Crawford, R. L.
Buchanan, William	Chubb, Percy	Crawford, Thomas
Bulkley, L. D., M.D.	Church, Charles B.	Crawford, W. H.
Burden, James A., Jr.	Church, Edward W.	Crocker, George Aug.
Burden, Henry, 2d	Clafin, John	Cromwell, Benjamin F.

- | | | |
|-----------------------------|-------------------------|---------------------------|
| Cromwell, James W. | Derby, Richard H. | Dunham, G. H. |
| Cromwell, Lincoln | De Rham, Charles | Durand, John S. |
| Cross, George D. | Despard, Walter D. | Durkee, Eugene W. |
| Cross, Richard J. | De Vinne, Theo. L. | Dutcher, William |
| Cullman, Joseph F. | De Witt, George G. | Dutton, Edward P. |
| Cumming, Peter | Dewitt, William G. | Dwight, Dr. Jonathan, Jr. |
| Cummings, George F. | Dexter, Henry | |
| Cummings, Richard | Dickerman, W. B. | Eastman, Dr. Robert W. |
| Currier, G. C. | Dickey, Charles D. | Eckert, T. T., Jr. |
| Curtis, Charles B. | Dickie, E. P. | Edgell, George S. |
| Curtis, Warren | Diestel, Wm. | Edson, Jarvis B. |
| Cutter, Ralph L. | Dieterich, Chas. F. | Edwards, James M. |
| Cutting, Robt. Fulton | Dill, Miss Mary A. | Edwards, J. Pierrepont |
| Cutting, W. Bayard | Dillon, John M. | Eilshemius, Henry G. |
| | Dimock, Henry F. | Eimer, August |
| Dalley, Henry | Dimond, Thomas | Einstein, David L. |
| Dana, Wm. B. | Dix, Rev. Morgan, D.D. | Einstein, Edwin |
| Daniels, George H. | Dodd, S. C. T. | Einstein, I. D. |
| Davenport, Ira | Dodge, Rev. D. Stuart | Elbert, August |
| Davids, David F. | Dodge, George E. | Elder, Mrs. M. A. |
| Davies, Francis H. | Dodge, Miss Grace H. | Eldridge, Lewis A. |
| Davies, William G. | Dodge, Guy Phelps | Eldridge, Roswell |
| Davis, Benjamin P. | Dodge, Mrs. Wm. E. | Elliott, Mrs. George |
| Davis, Joseph P. | Doelger, Jr., Peter | Ellis, John W. |
| Davison, Alvah | Dohse, John | Ellis, W. H. |
| Day, Henry M. | Dommerich, L. F. | Ellsworth, James W. |
| Deal, Edgar | Donovan, Bartholomew | Ellsworth, Wm. W. |
| De Bary, A. | Doremus, R. P. | Ely, Miss Elizabeth L. |
| De Buys, A. | Dormitzer, Mrs. Henry | Ely, Frederick G. |
| de Coppet, Henry | Dougherty, John | Emmet, C. Temple |
| Deeves, Richard | Doughty, Mrs. Alla | Emmet, Robert Temple |
| de Forest, Mrs. Robt. W. | Douglass, Alfred | Engler, Ad |
| de Forest, Robert W. | Douglass, Mrs. Charles | Eno, Amos F. |
| Degener, John F. | Dow, Mrs. Frederic G. | Eno, Jno. Chester |
| De Klyn, B. F. | Downey, John I. | Erbsloh, R. |
| Delafield, Maturin L. | Dows, Mrs. David | Escobar, Francisco |
| Delano, Jr., Warren | Dows, Mrs. David, Jr. | Ettlinger, Louis |
| Delavan, D. B., M.D. | Drake, John J. | Evans, Richard |
| Deming, Horace E. | Drakenfeld, B. F. | Evans, William T. |
| Demorest, Wm. C. | Drummond, I. Wyman | |
| Denham, William R. | Duane, James May | Fabbri, Ernesto G. |
| Dennis, James S. | Du Bois, F. N. | Fahnestock, H. C. |
| Dennis, John B. | Du Bois, Dr. Matthew B. | Fairchild, Arthur S. |
| Denny, Thomas | Du Bois, Miss Katharine | Fairchild, Charles S. |
| de Peyster, C. Augusta | Duncan, Stuart | Fargo, James C. |
| de Peyster, Elizabeth V. R. | Dunham, Dr. Carroll | Farnam, Charles H. |

- Farnham, Mrs. H. P.
 Fatman, Morris
 Fearons, George H.
 Ferris, Frank A.
 Fischer, William H.
 Fisher, F. R.
 Fisher, L. G.
 Flagler, Harry Harkness
 Flagler, John H.
 Fleitman, Ewald
 Fletcher, Andrew
 Flower, A. R.
 Flower, Frederick S.
 Foos, Mrs. Lamar
 Forster, Wm.
 Foster, Edward W.
 Foster, Scott
 Fowler, Anderson
 Frankenberg, W. V.
 Frankfield, A.
 Fraser, Alfred
 Fraser, Mrs. Geo. S.
 Freeborn, G. C., M.D.
 French, S. A.
 Freygang, George
 Friedlander, Louis
 Frissell, A. S.
 Frothingham, H. P.
 Frothingham, Miss L.
 Frye, Jed

 Gadd, Luther G.
 Gade, W. F.
 Gardiner, James T.
 Garland, James A.
 Garver, John A.
 Gay, Joseph E.
 Geer, Walter
 Gerard, Victor
 Gerrish, Frank Scott
 Gibb, John
 Gibney, V. P.
 Gilbert, Clinton
 Gillies, Edwin J.
 Glatz, Charles
 Goddard, F. N.

 Godfrey, Chas. H.
 Goebel, Lewis S.
 Goldschmidt, Geo. B.
 Goldschmidt, S. A.
 Goodhart, P. J.
 Goodhue, Charles E.
 Grinnell, George Bird
 Gossler, G. H.
 Gotthold, Fred.
 Gould, Miss Helen M.
 Gould, John D.
 Grace, Wm. R.
 Graham, Robert Dun
 Granbery, W. H.
 Graves, Wm. Leon
 Gray, Mrs. Geo. Z.
 Greeff, Ernest F.
 Greenwood, Isaac I.
 Greer, Charles
 Gregory, Chas. E.
 Griffith, Daniel J.
 Griscom, C. A., Jr.
 Griswold, Chester
 Guggenheim, William
 Guggenheimer, R.
 Gulliver, William C.
 Gundlach, C.

 Haber, Louis I.
 Hague, James D.
 Haines, Charles D.
 Hall, Mrs. John H.
 Halls, William, Jr.
 Halsey, Frederick A.
 Halsted, Miss Mary M.
 Hamburger, Samuel B.
 Hamilton, E. Horace
 Hamilton, Miss E. S.
 Hanau, Alfred
 Hardenbergh, T. E.
 Hardley, J. Wheeler
 Hare, J. Montgomery
 Hargous, Robert L.
 Harkness, Edward S.
 Harper, Francis P.
 Harper, Mrs. Joseph W.

 Harris, Alfred
 Hartley, Mrs. Marcellus
 Hartshorn, Stewart
 Hasbrouck, Mrs. P. W.
 Hasslachier, Jacob
 Hastings, Thos. S.
 Hatzel, Frederick H.
 Havemeyer, H. O., Jr.
 Havemeyer, J. C.
 Haven, J. Woodward
 Haviland, Edwin
 Havron, John
 Hawk, Wm. S.
 Hawke, Madison G.
 Hawley, Edwin
 Hayes, R. Somers
 Haynes, Frederick W.
 Hazen, George H.
 Hecksher, John G.
 Hedges, James
 Hedges, Job E.
 Heide, Henry
 Heike, C. R.
 Heinsheimer, L. A.
 Hellmann, Paul
 Heminway, Homer
 Hendricks, Edmund
 Hendricks, Mrs. Joshua
 Hendricks, Harmon W.
 Hendricks, Henry H.
 Henning, Gustavus C.
 Hershheim, Joseph
 Heroy, Mrs. James H.
 Herreshoff, J. B. Francis
 Hess, Selmar
 Higgins, Francis
 Hilyard, George D.
 Hinchman, Walter
 Hinman, W. K.
 Hinton, J. H., M.D.
 Hoagland, Mrs. Jos. C.
 Hobby, J. Oakley
 Hochschild, Berthold
 Hodenpyl, Anton G.
 Hodgman, Geo. F.
 Hoe, Alfred G.

- | | | |
|-------------------------|------------------------|--------------------------|
| Hoe, Richard M. | Iselin, Wm. E. | Kenyon, Alan D. |
| Hoe, Mrs. Robert | | Kenyon, William H. |
| Hoe, William A. | Jackson, Charles A. | Kerner, Charles H. |
| Hoe, William J. | Jackson, Geo. T., M.D. | Kessler, Miss Wilhelmina |
| Hoffer, Henri P. | Jackson, John B. | Ketchum, A. P. |
| Hoffman, Samuel V. | Jackson, S. Macaulay | Kevan, William |
| Hogan, Charles M. | Jackson, Theodore F. | Keyser, Miss Julia T. |
| Holbrook, Percy | Jackson, Wm. H. | Kidder, C. G. |
| Holden, E. B. | Jacobus, John S. | Kilner, S. E. |
| Holden, E. R. | Jacquette, W. O. | Kimball, Alfred R. |
| Holden, James C. | Jaegar, Francis M. | Kimbel, Anthony |
| Holdridge, Edgar P. | Jaffray, Robert | Kimbel, Henry |
| Holland, Joseph | Janeway, E. G., M. D. | King, Edward |
| Hollister, G. T. | Jaques, George B. | King, William F. |
| Holt, Henry | Jarvie, James N. | King, Wm. W. |
| Holt, R. S. | Jarvis, Samuel M. | Kingman, Abel Willard |
| Howell, M. D. | Jenkins, A. B. | Kingsley, W. M. |
| Howlett, A. Ames | Jennings, Miss A. B. | Kinnicutt, Dr. F. P. |
| Hoyt, Chas. A. | Jennings, Philander R. | Kip, W. Ruloff |
| Hoyt, Francis S. | Jennings, Walter | Klatzl, John C. |
| Hoyt, Gerald L. | Jeremiah, Mrs. T. F. | Klenke, William H. |
| Hoyt, Samuel N. | Jesup, Mrs. James R. | Knapp, H., M.D. |
| Hubbard, Gen. T. H. | Johnson, James G. | Koegler, Mrs. E. Gélien |
| Hubbard, Walter C. | Johnson, Ralph C. | Kohlman, Charles |
| Hughes, Charles E. | Johnson, S. Fisher | Kohn, S. H. |
| Humphreys, Frederic H. | Johnston, J. Herbert | Kohn, Theo. A. |
| Hunter, Mrs. M. L. | Johnston, Rev. R. P. | Kohns, L. |
| Huntington, Mrs. R. P. | Joline, Adrian H. | Kraus-Boelté, Mrs. M. |
| Hüpfel, J. Chr. G. | Jones, A. H. | Kuttruff, Adolf |
| Hurley, Thomas J. | Jones, Dwight A. | |
| Hurtt, Mrs. S. I. | Jones, Walter R. T. | Ladew, Mrs. H. S. |
| Husted, Seymour L., Jr. | Josephi, E. A. | Lagai, Dr. G. |
| Hutton, F. R. | Josephi, Isaiah | Lagowitz, Miss H. L. |
| Huyler, John S. | Judson, Alfred M. | Landon, Francis G. |
| Hyatt, A. M. | Jungmann, J. | Landon, Henry Hutton |
| Hyde, Mrs. Augustus L. | | Lane, Edward V. Z. |
| Hyde, Clarence M. | Kahle, Jos. L. | Lange, J. D. |
| Hyde, E. Francis | Kahle, M. | Langeloth, J. |
| | Kahn, Otto H. | Langmann, G., M.D. |
| Inness, Jr., George | Kahnweiler, William S. | Lapham, Lewis H. |
| Insee, Mrs. Samuel | Kaufeld, Theodore | Lapham, S. V. |
| Ireland, John B. | Kellogg, Mrs. Chas. | Lathers, Mrs. Richard |
| Irving, Walter | Kelly, Augustus W. | Lauderdale, J. V., M.D. |
| Iselin, Adrian, Jr. | Kemp, Mrs. Edward | Lavelle, Rev. Michael J. |
| Iselin, C. Oliver | Kemp, Prof. James F. | Lawrence, Cyrus J. |
| Iselin, Miss Georgine | Kennedy, John S. | Lawrence, Emlen N. |

- | | | |
|---------------------------|-------------------------|-------------------------|
| Lawrence, Miss M. | Lowell, Mrs. Charles R. | Marcus, Arnold |
| Lawrence, Mrs. Samuel | Ludington, C. H. | Markle, John |
| Layng, James D. | Ludlow, James B. | Markley, T. W. |
| Leale, Charles A., M.D. | Lueder, A. | Markoe, J. W. |
| Leaycraft, J. Edgar | Lummis, Wm. | Marling, Alfred E. |
| Lee, Charles N. | Lusk, Miss Anna H. | Marlor, Henry S. |
| Lee, Mrs. Frederic S. | Luttgen, Wm. | Marsh, C. P. |
| Lefferts, Marshall C. | Lydig, David | Marshall, Charles H. |
| Lefferts, William H. | Lynde, Rollin H. | Marston, Edwin S. |
| Legg, George | | Martin, E. Howard |
| Lehmaier, James M. | Maas, Gustavus | Martin, Mrs. Reune |
| Lehman, E. | Mabon, J. B. | Martin, W. M. |
| Lehman, Meyer H. | MacDougall, George R. | Martinez, M. R. |
| Leland, Amory | MacVeagh, Charles | Massey, George |
| Le Roy, Alfred | Mack, J. W. | Mathews, Thomas |
| Leshner, A. L. | Mackenzie, Duncan E. | Matthews, John H. |
| Levi, Albert A. | Mackey, Oscar T. | Maynard, George W. |
| Levi, Emil | Maclay I. W. | Meigs, Titus B. |
| Levi, Emil S. | Macy, F. H., Jr., | Meredith, Wm. T. |
| Levine, Julius | Macy, George H. | Mergentime, J. H. |
| Levy, Emanuel | Macy, I. Augustus | Merrall, William J. |
| Lewis, Frederic E. | McAlan, John | Mestre, Alfred |
| Lewis, Mrs. John V. B. | McAlpin, Dr. D. H., Jr. | Metz, Herman A. |
| Lewis, Richard V. | McAlpin, George L. | Meyer, Dr. Alfred |
| Libbey, O. B. | McBean, Duncan D. | Meyer, Harry J. |
| Limburger, Ernest A. | McCagg, Louis B. | Meyer, Thomas C. |
| Lincoln, Lowell | McClintock, Emory | Meyn, Heinrich |
| Lisman, Frederick J. | McCosh, Dr. A. J. | Middleton, A. D. |
| Littlefield, Frederick M. | McCready, Mrs. C. A. | Milbank, Joseph |
| Livingston, E. de P. | McCurdy, Richard A. | Mildeberger, Mrs. John |
| Livingston, Edward | McDonald, John E. | Milholland, John E. |
| Livingston, Wm. S. | McGovern, James | Miller, D. S. |
| Lloyd, Francis G. | McIntyre, Ewen | Miller, Geo. Macculloch |
| Lloyd, Robert McA. | McKibbin, Gilbert H. | Mills, John T., Jr., |
| Lobenstine, W. C. | McKim, Rev. Haslett | Mills, W. McMaster |
| Lockman, Jacob K. | McKim, John A. | Milmine, George |
| Lockman, John T. | McKim, W. D., M.D. | Mitchell, A. M. |
| Loeb, James | McLane, Jas. W., M.D. | Mitchell, Alfred |
| Loewi, Valentine | McLean, George H. | Mitchell, Chas. E. |
| Loewy, Benno | Mager, F. Robert | Mitchell, Cornelius B. |
| Loring, D. A. | Mahl, Wm. | Mitchell, John J. |
| Louis, Chas. H. | Maitland, Robert L. | Mitchell, Miss M. E. |
| Lounsbury, R. P. | Malcolm, W. L. | Moffat, George Barclay |
| Loux, Rev. Edward | Man, William | Moller, Peter, Jr. |
| Low, C. Adolphe | Mansfield, Howard | Montross, N. E. |
| Lowell, Miss C. Russell | Marc, Theophilus M. | Moore, Frederic P. |

- | | | |
|--------------------------|------------------------|----------------------------|
| Moore, James A. | Obrig, Adolph | Pentz, Frank R. |
| Moore, Mrs. W. D. | Ochs, Adolph S. | Perkins, George W. |
| Moore, W. H. H. | O'Connor, Thomas D. | Perry, Chas. J. |
| Morewood, George B. | Oettinger, P. J. | Perry, William A. |
| Morgan, Miss Annie T. | Ogden, Robert C. | Peters, Edward McClure |
| Morgan, Miss Caroline L. | Ogilvie, James H. | Peters, Samuel T. |
| Morgan, George H. | Olcott, E. E. | Peterson, Fred'k, M.D. |
| Morris, Mrs. A. Newbold | Olcott, F. P. | Peterson, Mrs. Wilson |
| Morris, Miss E. Van C. | Olcott, Geo. M. | Pfeiffer, Curt G. |
| Morris, Dr. Lewis R. | Ollive, Thos. S. | Phelps, Mrs. Anson G. |
| Morris, Henry Lewis | Olyphant, R. M. | Phelps, Geo. B. |
| Morris, Theo. Wilson | Olyphant, Robert | Philbrick, E. C. |
| Morrison, Edward A. | Oppenheimer, Dr. H. S. | Phillips, Mrs. F. Stanhope |
| Morrison, George A. | O'Rourke, John F. | Phillips, Guy |
| Morse, James R. | Osborn, Wm. F. | Phillips, William H. |
| Mote, Henry | Otis, A. Walker | Phipps, Henry, Jr. |
| Mott, Henry C. | Oudin, Lucien | Pickering, Henry G. |
| Mount, Mrs. M. L. | Owen, Miss Juliette A. | Pickhardt, Carl |
| Muller, Carl | Owens, Wm. W. | Pine, John B. |
| Munroe, Mrs. Chester | | Pinkus, F. S. |
| Munsey, Frank A. | | Platt, Isaac S. |
| Munson, C. W. | Paddock, Charles H. | Platt, John R. |
| Murray, A. S. | Paddock, Eugene H. | Platzek, M. Waxley |
| Murray, F. W., M.D. | Palmer, Francis F. | Plympton, Gilbert M. |
| Murray, J. Irvin, Jr. | Palmer, John S. | Poggenburg, H. F. |
| Myers, J. G. | Palmer, N. F. | Pope, Sylvester |
| | Palmer, S. S. | Porter, H. H. |
| Nash, E. S. | Parish, Miss H. | Porter, Wm. H. |
| Navarro, Juan N. | Parker, Forrest H. | Porter, William L. |
| Nelson, Frank G. | Parrish, James C. | Post, Abram S. |
| Nelson, Mrs. S. B. | Parsell, Henry V. A. | Potter, Miss Blanche |
| Nelson, William | Parsons, Mrs. Edwin | Potter, Frederick |
| Newton, James S. | Parsons, Herbert | Potter, Mrs. Henry C. |
| Nichols, George L. | Parsons, W. H. | Potter, Miss Martha |
| Nichols, John W. T. | Paterson, R. W. | Powell, de Veaux |
| Nicholson, Miss B. M. | Patterson, Hon. Edward | Powell, Wilson M. |
| Nicholson, Miss Maud | Patterson, Miss C. H. | Prince, J. Dyneley |
| Niles, Nathaniel | Peabody, George Foster | Proctor, George H. |
| Nisbet, William F. | Pearsall, T. W. | Pryer, Charles |
| Norris, Henry D. | Peck, Charles E. | Purdy, Wm. Macneven |
| North, Thomas M. | Pederson, James | Putnam, Mrs. Albert E. |
| Notman, George | Pell, Frederick A. | Putnam, George L. |
| Nott, Frederick J. | Pell, Stephen H. P. | Putney, W. B. |
| Nourse, Jr., C. J. | Pellew, Henry E. | Pyle, Jas. Tolman |
| Noyes, Mrs. Henry D. | Penfold, Wm. Hall | Pyle, Wm. S. |
| Nugent, Frank L. | Penniman, George H. | Pyne, M. Taylor |

- Quinby, J. R.
 Quintard, George W.

 Rawson, Edward S.
 Raymond, Charles H.
 Read, Wm. A.
 Rees, Norman I.
 Reimer, Otto E.
 Remick, Albert
 Remick, W. H.
 Renwick, Edward S.
 Reynolds, John B.
 Rhineland, Chas. E.
 Rhineland, Miss S.
 Rhoades, J. Harsen
 Richard, Auguste
 Riker, John L.
 Riker, Samuel
 Riker, Wm. J.
 Robert, J. Eugene
 Roberts, Miss Mary M.
 Robertson, Miss J.
 Robinson, Mrs. John A.
 Rock, Matthew
 Rockwell, James W. B.
 Rogers, Edward L.
 Rogers, Henry H.
 Rogers, James H.
 Rogers, Noah C.
 Roosevelt, Robert B.
 Roosevelt, W. Emlen
 Root, Elihu
 Rosenbaum, H. C.
 Rossiter, E. V. W.
 Rothschild, J.
 Rowe, William V.
 Rowell, George P.
 Rowland, George
 Rumney, T. S., Jr.
 Ruprecht Philip
 Russak, Jacob
 Rutter, Robert

 Sabin, Joseph F.
 Sachs, Harry
 Sackett, Mrs. W. H.
- Sage, Mrs. Dean
 Saltus, J. Sanford
 Sands, Andrew H.
 Sands, Mrs. B. Aymar
 Sands, Daniel C.
 Sands, Robert C.
 Sands, Wm. R.
 Sauter, Fred.
 Schaefer, Edward C.
 Schaefer, Geo. G.
 Schafer, Samuel N.
 Schaller, Otto
 Schefer, Carl
 Schell, Miss Mary E.
 Schermerhorn, J. E.
 Schieffelin, William J.
 Schiff, Mortimer L.
 Schirmer, Gustave
 Schley, Grant B.
 Schloss, Henry W.
 Schnakenberg, D.
 Scholle, A. H.
 Schott, Charles M., Jr.
 Schramm, Arnold
 Schultze, John S.
 Schurz, Miss Marianne
 Schwab, L. Henry
 Schwarz, Henry F.
 Scott, Edward W.
 Scribner, Mrs. J. Blair
 Scudder, Hewlett
 Scudder, Moses L.
 Scudder, S. D.
 Seabury, Geo. J.
 Seagrist, Francis K.
 Seaman, Louis L., M.D.
 See, Mrs. Horace
 Seligman, George W.
 Seligman, Isaac N.
 Sewell, T. G.
 Seton, William
 Shardlow, Joseph
 Shattuck, A. R.
 Sheehy, W. H.
 Shepard, C. Sidney
 Sherman, Charles A.
- Sidenberg, Gustavus
 Sidenberg, Richard
 Siegel, Jacob
 Simpson, C. D.
 Simpson, J. F.
 Simpson, John Boulton
 Simpson, John W.
 Simpson, Mrs. L. A.
 Sinclair, John
 Slade, Francis Louis
 Slattery, James
 Sloan, Samuel
 Smillie, Charles F.
 Smith, Charles S.
 Smith, Dr. Geo. De F.
 Smith, Mrs. George W.
 Smith, J. Frailey
 Smith, J. Hopkins
 Smith, James Rufus
 Smith, Nathaniel S.
 Smith, Rev. Cornelius B.
 Smith, William Alex.
 Smith, W. Wheeler
 Snow, Elbridge G.
 Sondheimer, Julius
 Southack, Frederick
 Spadone, Amadee
 Speir, Archibald W.
 Spencer, Samuel
 Spitzner, Geo. W.
 Spring, Miss Anna R.
 Squibb, Edw. H., M.D.
 Stanton, John
 Stanton, J. R.
 Starin, John H.
 Starr, M.A., M.D., LL.D.
 Stearns, John Noble
 Stearns, Louis
 Stebbins, Jas. H.
 Steers, James R.
 Steinway, Fred. T.
 Stephens, Benjamin
 Stern, Benjamin
 Sternberger, Maurice M.
 Sterrett, C. N.
 Stewart, Lisenard

Stewart, William R.	Timpson, James	Warner, John De Witt
Stiehl, Gustav H.	Titus, Erastus, Jr.	Warner, Lucien C.
Stiger, E. M.	Toel, William	Warren, John Hobart
Stillman, T. E.	Tonnélé, John L.	Warren, Samuel D.
Stone, Edwin	Toothe, William	Washburn, John H.
Stone, Mason A.	Tousey, William	Watson, Miss Emily A.
Stone, Mrs. Georgiana C.	Townsend, R. H. L.	Watson, Rev. J. Henry
Stone, Sumner R.	Tracy, J. Evarts	Weatherbee, Mrs. E. H.
Storm, Clarence	Trevor, H. G.	Weber, Dr. Leonard
Storm, George	Turner, Charles Y.	Weed, Geo. E.
Stratford, Wm.	Turnure, George E.	Wehrhane, Chas.
Stratton, Robert M.	Tuttle, G. M., M. D.	Weidenfeld, Camille
Strauss, Frederick	Twombly, H. McK.	Wellington, A. H.
Sturges, Henry C.	Tyroler, James	Welsh, S. Charles
Sturgess, Mrs. Almira		Wenman, James F.
Sturgis, F. K.	Ullmann, E. S.	Wentz, James M.
St. John, Wm. M.	Underhill, Jacob B.	Wertheim, H. P.
Sulzberger, Cyrus L.	Untermyer, Isaac	Westcott, Robert E.
Sutphen, John S., Jr.		Westinghouse, George
Sutro, Mathilde E.	Valentine, Mrs. Lawson	Westmayr, R. J.
Swayne, Francis B.	Valentine, W. A., M.D.	Weston, Edward
	Valk, David W.	Westover, Myron F.
Tag, Albert	Van Brunt, Hon. C. H.	Wetherill, Mrs. J. B.
Taggart, Rush	Van Emburgh, D. B.	Wetmore, Dr. J. McE.
Tailer, Edward N.	Van Ingen, Edward H.	Whearty, Daniel C.
Taintor, Charles N.	Van Nest, Mrs. Alex. T.	Wheelock, G. G., M.D.
Talcott, James	Van Norden, Warner	Wheelock, Wm. A.
Talmadge, Henry	Van Norden, Warner M.	White, Alain C.
Taylor, Mrs. Aug. C.	Van Nostrand, Chas. B.	White, Miss Caroline
Taylor, George	Van Winkle, Miss E. S.	White, Horace
Taylor, Henry E.	Van Winkle, Edgar B.	White, John Jay, Jr.
Taylor, Henry R.	Veit, Richard C.	Whitehouse, J. Henry
Taylor, Stevenson	Vermeule, John D.	Whiting, Giles
Terrell, H. L.	Voelker, John P.	Whitman, Clarence
Tesla, Nikola	Vogel, Herman	Wicke, William
Thayer, H. B.	Vredenburg, Hon. W. H.	Wickes, Edward A.
Thompson, David W.		Wickham, Delos O.
Thompson, J. Walter	Wagner, Frederic C.	Wilbur, M. T.
Thompson, L. S.	Walcott, A. S.	Willcox, David
Thompson, W. Prall	Walker, William I.	Willets, Joseph C.
Thomson, Mrs. Eugene	Wallace, Lewis	Williams, Blair S.
Thorne, W. V. S.	Wallach, Antony	Williams, John
Thorp, John R.	Wallach, Leopold	Williams, Richard H.
Tierney, Myles	Warburg, F. M.	Wills, Charles T.
Tiffany, Louis C.	Ward, Henry C.	Wills, Wm.
Tiffany, Rev. C. C.	Wardwell, Wm. T.	Wilson, George

Wilson, Geo. T.	Wolff, Lewis S.	Young, Edward L.
Wilson, Henry R.	Wood, Mrs. Cynthia A.	Young, E. F. C.
Wilson, James	Wood, Henry R.	
Wilson, Washington	Wood, Wm. C.	Zabriskie, Andrew C.
Wing, John D.	Woodward, James T.	Zachry, J. G.
Winthrop, Egerton L.	Wormser, Isidor	Zickel, S.
Wintrich, Herman F.	Wray, Miss Julia	Ziegler, William
Witherbee, Frank S.	Wright, Mrs. J. Hood	Zinsser, Aug.
Wolf, I. S.	Wurzbürger, A.	Zinsser, Wm. H.
Wolfe, Mrs. Anzonetta B.		Zoller, Charles
Wolff, Emil	Youmans, Ephraim M.	Zollkoffer, O. F.

In Memoriam

At the Regular Quarterly Meeting of the Board of Trustees of The American Museum of Natural History, held November 9, 1903, the following Minute was adopted:

The Trustees of The American Museum of Natural History record with sadness the death of their distinguished and beloved associate,

WILLIAM EARL DODGE.

Mr. Dodge became a member of the Museum in 1870, and was elected to the Board of Trustees in 1872. He was placed on its Executive Committee in 1875; and in 1899 he was elected Second Vice-President, serving in this office until February, 1901, when he became First Vice-President. From the beginning of his connection with the Museum until his decease, August 9, 1903, he was one of its largest contributors, and took a very active interest in every measure to promote the welfare, growth, development and usefulness of the Institution. His love of the beautiful in nature found in the work of the Museum a most congenial occupation.

When the Museum made its early efforts in the cause of research and investigation, Mr. Dodge's contributions and counsel came from a knowledge of what was best and wisest to be accomplished to insure results. He often visited the Museum to ascertain its needs, and was always ready with suggestions and willing to advise and aid its officers and curators, to help make the Museum what, under its Charter, it set out to be, "to encourage and develop the study of natural science, the advancement of a general knowledge of kindred subjects and the furnishing of popular instruction, recreation and amusement."

The Trustees and officers always cherished for Mr. Dodge a real affection and esteem, because of his manly qualities of head and heart. He was a faithful friend, a wise counselor, a safe guide and a Christian gentleman. As such his example is worthy for us to imitate and follow.

This Minute is made at the first meeting of the Board of Trustees since the death of Mr. Dodge, and it is directed that it be entered on the records, and that an engrossed copy of the same be prepared and sent to Mrs. Dodge, with the respectful sympathy of the Trustees, in her loss and sorrow.

At the Annual Meeting of the Trustees of The American Museum of Natural History, held February 8, 1904, the President announced the death of their late associate, Mr. Andrew H. Green.

It was ordered that the following Minute be incorporated on the Records of the Meeting, and that the Secretary present a copy of the resolution to the family of the deceased:

The Trustees of The American Museum of Natural History, at this their Annual Meeting, desire to give formal expression to their sorrow at the loss of their associate of many years,

ANDREW HASWELL GREEN.

In 1869, Mr. Green, then Comptroller of Central Park, heartily and effectively co-operated with those who proposed to the Commissioners of Parks the formation of a Museum of Natural History.

Elected to the Board of Trustees in 1869, he was regular in his attendance at official meetings, served on the Executive Committee for several years, was a frequent visitor at the Museum, and at the time of his decease was one of the oldest members of the Board.

With a wide circle of acquaintances, occupying a prominent place among the people, of long experience in civic affairs and intimately associated with the organizations and improvements incident to municipal development, his loss is not to the members of this Board alone but to the larger interests of the community in general.

On the occasion of the Annual Meeting of the Board of Trustees of The American Museum of Natural History, held February 8, 1904, the President reported the decease, on the 2d instant, of Mr. William C. Whitney.

In speaking of Mr. Whitney, the President paid a warm tribute to his friend and colleague. No other Trustee, he said, evinced a deeper interest in the activities of the Museum; he was a frequent visitor to its halls, enthusiastic in his praise of its collections and its work of research in the field, and disclosed an intimate knowledge of the history and aims of the Museum.

The following Minute was unanimously adopted, and the Secretary was directed to enter it in full on the record of the meeting and to present an engrossed copy of the same to the family of the deceased:

The Trustees of The American Museum of Natural History record with great regret the death of their associate,

WILLIAM COLLINS WHITNEY.

The Museum loses one of its warmest and most intelligent friends. Mr. Whitney was a true lover of nature, greatly delighting in scenery, and showing a keenness of interest in animals and an extent of knowledge very unusual in American men of affairs. He took pleasure in supporting the work of the Museum, because it extended to the people of this city opportunities of education and enjoyment otherwise beyond their reach.

Elected in November, 1891, he served for more than twelve years as a Trustee. Up to the time of his death, he generously furthered the progress of the Museum in many diverse lines. In the year 1900, in connection with his personal interest in the breeding of horses, he became specially interested in and maintained on a large scale for the past three years, the special explorations, researches and artistic work connected with the evolution of the horse in America. The undertaking has been successful beyond expectation. In a few weeks more the preliminary results of these expeditions would have been on exhibition, and it is a keen regret to us that Mr. Whitney could not have lived to see their completion. His name will always be associated with the continuation of any investigations of this important subject.

We shall ever cherish the memory of his kindly and generous heart and his many manly and noble qualities.