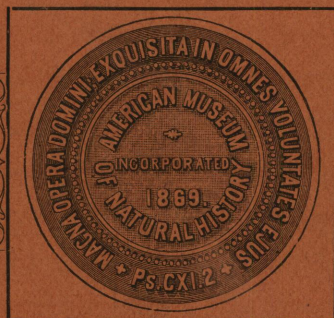


THE
American Museum of Natural History

CENTRAL PARK, NEW YORK CITY.

(77th Street and 8th Avenue.)



ANNUAL REPORT OF THE PRESIDENT,
ACT OF INCORPORATION,
CONSTITUTION, BY-LAWS AND LIST OF MEMBERS
FOR THE YEAR 1891.

PRINTED FOR THE MUSEUM.

THE
AMERICAN MUSEUM OF NATURAL
HISTORY,

CENTRAL PARK, NEW YORK CITY.

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FOR THE YEAR 1891.



NEW YORK:
PRINTED FOR THE MUSEUM.

1892.

WM. C. MARTIN PRINTING HOUSE,
NO. 111 JOHN STREET,
NEW YORK.

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1892.

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JENNESS RICHARDSON,
Taxidermist.

W. BEUTENMULLER,
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A. WOODWARD, Ph.D.,
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Secretary and Assistant Treasurer.

WILLIAM WALLACE,
Superintendent of Building.

TWENTY-THIRD ANNUAL REPORT.

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

My report presents a brief outline of the progress made and the work accomplished during the past year.

REPORT OF TREASURER.—The report of the Treasurer for the year 1891 shows the receipts for the year to have been \$64,913.17, which is inclusive of the balance from 1890 of \$1,062.91.

Of its receipts, \$25,000 has been received from the city and \$39,913.17 from other sources.

The expenditure for maintenance was \$50,824.41, and for endowment \$21,067.92, leaving a deficiency of \$6,979.16.

LUMHOLTZ EXPEDITION.—The exploration in the region of the Sierra Madre Mountains, conducted by Dr. Carl Lumholtz, is being carried forward under the auspices of the Museum ; at, however, no expense to the institution—the necessary amount to defray the cost of the undertaking having been subscribed by interested friends ; and it is expected that the results will add materially to our collections.

It affords me pleasure to acknowledge the subscriptions of Mr. Henry Villard, Dr. William Pepper, Mr. James H. Jones and Mr. Henry G. Marquand in aid of the Lumholtz Expedition ; and the courtesy accorded by Mr. J. W. Reinhart, Vice-President of the A., T. & Santa Fé R. R., conjointly with the Wells Fargo Express, in the transportation of material collected by the expedition.

The *Illustrated American* Publishing Company of this city has also sent an expedition to explore the cliff dwellings of the San Juan region in Colorado and New Mexico, and has secured experienced, scientific assistants for this purpose. The Museum

was invited to participate in the work and has a representative especially detailed to collect the mammals, birds and other animals of the regions visited by the expedition.

The work of removal into the new building is still in progress, and it is expected that during the current year all the specimens will be arranged for exhibition and the entire building opened to the public ; provided, however, additional appropriations can be obtained from the city in order to meet the largely increased expenses.

MEMBERSHIP.—There have been added to the list of Patrons Messrs. Archibald Rogers, Appleton Sturgis, George C. Cooper, William C. Whitney and Theodore A. Havemeyer.

Mr. Wheaton B. Kunhardt has become a Fellow, and Messrs. James J. Goodwin, John T. Willets, Fred. H. Comstock, John Greenough, Edward Uhl, F. W. Devoe, Percival Knauth, Robert T. Willets and A. K. Bolan have become Life Members.

It is hoped that during the next twelve months the Annual Membership may be greatly increased—this source of income being of the greatest importance.

CASES.—The casing of the new building has been carried on as far as the city appropriation for this purpose would allow, but the sum was not sufficient to complete all the floors ; and in order to finish all the halls, and to make the Ethnological Collection available for exhibition, the Executive Committee directed that the balance of the cases required should be built, the cost of which has been nearly \$10,000.

In this connection I beg to call the attention of the Board to the large amount paid by the Trustees for cases, and the repairs to the same, during the period from 1880 up to the present time, aggregating some \$45,000 in addition to the foregoing amount. It does not seem just that the funds needed so urgently for the enlargement of the collections should be used for this purpose. The Museum should be reimbursed by the city for this outlay.

LECTURE DEPARTMENT.—In addition to the usual lectures to the teachers of our public schools, given under the auspices of

the State Department of Public Instruction, a course of lectures to members was given by Professor A. S. Bickmore during the spring and fall. In conformity with the contract with the foregoing department, free lectures were delivered on the afternoons of Thanksgiving Day, Christmas, New Year's and Washington's Birthday. Large numbers were unable to gain admission to the lecture room, which has a seating capacity for an audience of one thousand persons. It would, therefore, seem necessary to provide in the near future a much larger lecture hall.

It is very desirable that the present hall should be utilized for additional exhibition space, as was originally intended, and that arrangements should be made for a new lecture hall at the north side of the old building.

It is suggested that during the coming year arrangements be made to add a course of lectures based upon the varied collections in the Museum.

It has occurred to me that it would be wise to consider the propriety of initiating a series of short, informal lectures explanatory of the Museum collections; to be given by our several Curators on Saturday afternoons to classes and schools. I am impressed with the belief that the measure would prove of educational value and also popular, and largely increase the value of the collections and the influence of the institution.

In this connection, I also suggest the advisability of adopting some system of coöperation on the part of this Museum with other educational institutions of the city.

GEOLOGICAL DEPARTMENT.—The cataloguing and labeling of the Palæontological Collection has been steadily carried forward.

The collection of minerals has been increased by the purchase of some very valuable specimens, which will add largely to the attractiveness of the mineral exhibit. The Spang Collection of Minerals has been added by purchase, and when arranged for public view will, in connection with the gems, form a special object of attraction to our visitors, and place this department in the front rank. The donations to this department have been of varied value and interest.

The desk cases in the new building, west wing, are now available for the arrangement of the minerals, and this work is progressing favorably.

DEPARTMENT OF MAMMALIAN PALÆONTOLOGY.—In conformity with the authority conferred by the Board, the Executive Committee has created the Department of Mammalian Palæontology, under the charge of Professor Henry Fairfield Osborn as Curator. This department has been formed under exceptionally favorable circumstances, and provides for the important work of original research. The material acquired from the expedition of last spring yields valuable results; another expedition is in the field, from which most important developments may be expected.

DEPARTMENT OF MAMMALS, BIRDS AND REPTILES.—The Department of Mammals and Birds has been increased largely during the year, it having received over 800 specimens of mammals, and more than 1300 birds, 200 of which were the result of the field work of Mr. F. M. Chapman, Assistant Curator of this department, near Corpus Christi, Texas; and 450 are from the expedition of Dr. Lumholtz in the Sierra Madre.

Some very desirable material has been offered for purchase, but lack of money has prevented its acquirement.

The most noteworthy gifts to this department are a collection of 125 mammals from Texas and northeastern Mexico, presented by Mr. George B. Sennett; 32 mammals from Costa Rica, presented by Mr. George K. Cherrie; and 20 specimens sent by the Museo Nacional of Costa Rica. About 223 South American birds (mostly humming-birds) were presented by Peter Townsend Barlow, Esq. Mr. Leverett M. Loomis, of Chester, S. C., has also presented a collection of 200 very desirable specimens from South Carolina.

A large number of valuable specimens of both mammals and birds have been received from the Central Park Menagerie, through the Superintendent, Dr. W. A. Conklin. Marked progress has been made in identification and labeling of the collections, the labeling of the exhibit of South American birds having been finished.

The Study Collection of both mammals and birds is fully catalogued and arranged for ready access. In addition, the alcoholic collection of reptiles and fishes has been revised and placed in a safe and accessible condition; sixty specimens of reptiles have been added, of which forty were donated.

The collection of mounted mammals, stored for some months for want of exhibition space, has been transferred to its new quarters on the main floor and gallery of the new wing, which affords for this collection the long required space for its effective display.

During the year many hundred skulls of small mammals have been cleaned and made accessible for study, and several small skeletons of both birds and mammals have been mounted for exhibition by the osteologist of the department, who has also revised and repaired many of the skeletons previously on exhibition.

The outlook for the growth of these departments is not assuring for the current year, by reason of the want of funds; the work of this department and its related Department of Taxidermy will be mainly diverted to the preparation of material now on hand for increasing the exhibition collection.

DEPARTMENT OF ETHNOLOGY AND ARCHÆOLOGY.—The purchase of the James Terry Collection has been consummated at a cost of \$38,000.

This collection, comprising nearly 26,000 catalogue numbers, is eminently rich in material pertaining to the native races of the west coast of North America; particularly those of the region between Mexico and British Columbia. It contains a large number of objects not represented in any other collection; being the results of explorations in several thousand tombs, and extended research in the Columbia River Valley—the latter region yielding sculptures of great antiquity.

The Mississippi Valley is represented by upwards of 500 vessels from Missouri and Tennessee, of great ethnological interest, many of them being of unique design. Tennessee also furnishes a valuable series of stone pipes and stone implements; and the series from Wisconsin includes a choice collection of copper weapons.

The collection also contains interesting and valuable series from the Penobscot Valley, Maine, and from Connecticut and New York. All of the material from the mounds on Long Sault Island, St. Lawrence River, is to be found in this collection. The central portion of the State is represented by many pipes in pottery and stone ; while Long Island, Westchester County and Staten Island have furnished nearly 2500 specimens.

The collection also embraces interesting examples from Alaska and the South Seas, including a specimen of the New Zealand Mere Mere emblem, forming the longest specimen of worked jade known.

The collection gathered by Appleton Sturgis, Esq., illustrating the island life of the Pacific and Indian Oceans, surpasses all the combined public collections of this class in the country. This was purchased by the Trustees in the early portion of the year.

These collections, conjointly with the Emmons and Bishop Collections, form the most complete, attractive and instructive assemblage of ethnological material in this country.

DEPARTMENT OF ENTOMOLOGY.—The growth of this department is extremely gratifying. Nearly 4000 specimens have been added to the collection, solely through the expeditions made by the Curator ; of these about 3000 specimens have been mounted for display.

Efforts are being made, under the auspices of Mr. A. M. Palmer and others of the dramatic profession, and friends of the late Mr. Edwards, to secure the widely-known "Harry Edwards Collection" and library. This collection numbers about 250,000 specimens, and about 40,000 different species, gathered from various parts of the world. Although consisting chiefly of butterflies, moths and beetles, all the orders of insects are represented. On account of the great number of type specimens, this collection is considered by good authorities as one of the best in existence, and is also one of the largest private collections in the world. The library, accompanying this collection, possesses over 500 volumes and about 1200 pamphlets.

A very recent and extremely valuable donation to this department is the collection gathered by James Angus, Esq., of West Farms, this city. This collection consists mostly of butterflies and moths, which are represented by about 1700 different kinds, mostly by large series. It also contains many species of beetles, wasps, grasshoppers, etc. It is estimated to contain 13,000 specimens.

The collection illustrative of insect architecture, and of the destructive effect of gall insects on plants, have been continued; the specimens are mounted in groups on cardboard and attract much interest. They are exhibited in connection with the Forestry Collection in the Wood Hall.

The Jesup Collection of Economic Entomology now numbers fifty-seven groups, with further additions in contemplation. This feature of the collection excites much popular admiration and possesses great educational advantages in a direction not hitherto attempted.

The collection of Mrs. M. S. Elliot, noted in the last report, is partially arranged, nearly all identified and provided with temporary labels.

A portion of the exhibition collection of moths and butterflies will be placed in the desk-cases around the gallery floor of the old building and the new wing.

DEPARTMENT OF TAXIDERMY.—The work in the Department of Taxidermy has been of the usual description throughout the year and has progressed favorably. The most important piece of work, and which required the largest amount of time, was the preparation of the Bison Group. This has been completed and forms a very striking exhibit in the centre of the new Mammal Hall.

In casing the building a case has been provided for a Moose Group, which will be a companion piece to the Bison Group. The specimens for it have nearly all been obtained, but its preparation has been necessarily deferred from lack of time to perform the work. There is much material in hand awaiting preparation for exhibition, including many specimens of special interest and desirable to fill gaps in the collection.

LIBRARY.—The library has been transferred to the top floor, west wing, of the new building ; it occupies an exceptionally advantageous location, being fully lighted on all sides. The book-stack is so compactly arranged that the visitor would scarcely suppose that it contains some 25,000 volumes, with room for as many more.

The room is especially cheerful and attractive to visitors ; and scientists and students are always welcome to use the library for reference and study.

The library embraces the widely-known Brevoort Collection of Works on Fishes, presented by the late Robert L. Stuart ; the Jay Library relating to Conchology, supplemented by the gift of the late Miss Catharine L. Wolfe ; the Elliot Library of Ornithology, purchased for the Museum by Messrs. C. Vanderbilt and Percy R. Pyne, and a collection of voyages and travels donated by the Hon. Hugh J. Jewett.

The library gathered and owned by the late Dr. S. Lowell Elliot, consisting of 9500 volumes and 3500 pamphlets, was donated in March last by his widow, Mrs. M. Schuyler Elliot, as a memorial gift. It contains many rare works relating to the early history of America and other subjects. It is a very valuable acquisition, and the Museum is to be congratulated upon the generosity evinced by Mrs. Elliot in thus supplementing her previous gift to the Entomological Department.

The Museum has also lately received a donation from Alexander I. Cotheal, Esq. This consists of three large microscopes with their accessories, and a cabinet containing 300 slides of mounted objects ready for study. In addition to these, he has given 300 books, some on Botany, and others relating to the construction and use of the microscope.

THE JESUP COLLECTION OF STONES AND MARBLES. — The Jesup Collection of Stones and Marbles of North America has been removed to its permanent location in the halls of the east wing of the new building in cases specially built for its exhibition. This collection is frequently examined with interest by builders and workers in stone and marble.

THE JESUP COLLECTION OF WOODS.—The expedition, undertaken last fall without expense to the Museum, resulted in the acquisition of all the specimens at that time unrepresented in the Forestry Collection. They are now arriving at short intervals, and are being dressed as rapidly as possible. With these now secured the collection is complete, and represents the entire forestry of North America as known to science.

The trip covered the Pacific Coast from Seattle, Washington, to Texas, and from the Coast Islands to points in the mountains of Arizona. Through the generosity of Mr. C. P. Huntington, this collection has been enhanced by the gift of a section of a Redwood Tree eleven feet in diameter, and which is now on exhibition in the Wood Hall. This specimen is the largest attainable consistent with perfect condition.

The Museum is indebted to Mr. A. N. Towne, Acting Vice-President S. P. R. R. Co., Mr. A. D. Moore, of San Francisco, and Mr. H. Clay Needham, of Newhall, Cal., for valuable assistance rendered to our Collector.

BULLETIN.—The publication of the Bulletin, so important to the Museum, has been continued ; and the number of institutions with whom we exchange publications has been considerably increased.

Two articles were prepared by Professor R. P. Whitfield, Curator of the Geological Department. Professor J. A. Allen, Curator of the Department of Mammals and Birds, contributed seven papers pertaining to the work of his department ; these were supplemented by four by Dr. Edgar A. Mearns, Assistant Surgeon, U. S. A., based on collections presented by him to the Museum, and two others by Mr. Frank M. Chapman, the Assistant Curator. These articles were illustrated by twelve plates and numerous figures in the text.

The number of visitors shows an increase over the preceding year ; the day attendance being 246,267 and the evening attendance 38,105, reaching a total of 284,272, exclusive of the number which listened to the lectures delivered to members and their friends.

The growth of the Museum during the last three years is an indication of future progress ; the erection of another addition for exhibition will soon become a necessity, and the provisions for it cannot be postponed.

The public will bear in mind that the functions of a great museum are widely varied ; it owes a duty to the general public which must be educated through the exhibition of the collections in its cases, and through popular lectures on scientific subjects ; and to science by the provision of material for investigation and the publication of the results of original research. The expense of maintenance will, therefore, increase with each year, and additional income must be provided.

It is but just that the city should be asked to appropriate each year a sum sufficient to cover the maintenance ; inasmuch as we have no source of income arising from admission fees. The income derived from the interest on the Endowment Fund is pledged for the purchase of specimens and collections to enrich and enlarge the attractions of the Museum, and the subscriptions from Life and Annual Members should be used for the same purpose.

With the cöoperation of the municipal authorities, a bill has been introduced into the Legislature authorizing the Board of Estimate and Apportionment to grant additional appropriations for the year 1892, and for each successive year. It is hoped that this bill will become a law at an early day.

It should be frankly stated that until the funds of the institution are augmented in some manner, the Trustees will be unable to open the new building ; as to do this will so largely increase the expense of maintenance that it would impose on them a burden which they ought not to be asked to assume.

The work of the Museum is to gather and display material ; encourage individual research and study along special lines ; publish the results of such study ; provide lecture courses ; conduct class work and prosecute field work.

We have not, like many museums, stopped with the first of these duties, but have collected specimens and have encouraged specialists and students to avail themselves of the means we give them for advancing the sciences they are pursuing.

Our field work is bringing in good results ; the importance of the institution is conceded by scientists and the public, and will manifest its value more and more by our working on every line open to it.

I feel that the future of the Museum is full of promise, and I congratulate the Trustees on the results of the earnest efforts they have made to place this institution in the front rank of the scientific museums of the country.

MORRIS K. JESUP,

President.

Endowment :

EXPENDITURES.

To Geological Department	\$166 38	
Ethnological "	776 44	
Mineralogical "	919 69	
Entomological "	160 70	
Reptiles and Fishes	235 14	
Wolfe Fund—Library.....	80 02	
Bird Groups.....	171 00	
Conchological Department.....	145 32	
Skeleton Department	223 10	
Special Account.....	318 00	
Bulletins.....	1,111 76	
Insect Groups	434 79	
Library.....	1,110 13	
Mammalogical Department.....	1,690 16	
Ornithological "	3,225 52	
Taxidermist "	2 35	
Cases Account.....	4,722 72	
Spang Collection (Minerals)	1,000 00	
Mammalian Palæontological Department.....	1,600 59	
Appleton Sturgis, Contract	2,255 31	
Mammal Groups	718 80	\$21,067 92

Maintenance :

To Fixtures and Furniture	\$814 80	
Repairs.....	482 77	
Expressage	362 96	
Interest on " Dr." Balances.....	241 11	
Stationery.....	296 04	
Labels	602 60	
Annual Reports.....	419 92	
Coal.....	3,975 18	
Poison.....	29 07	
Printing.....	366 38	
Lecture Department, Salaries.....	7,238 87	
Labor.....	9,828 73	
Supplies.....	743 09	
Salaries.....	21,320 09	
Expense Account.....	4,102 80	50,824 41
		<u>\$71,892 33</u>
Balance from 1891 Account.....		\$6,979 16

Examined { ADRIAN ISELIN, { Auditing
and approved, { CHARLES G. LANDON, { Committee.

Endowment :

RECEIPTS.

By Balance from December 31, 1890.....	\$1,062 91	
Mineralogical Account.....	11 42	
Interest on Invested Funds.....	16,562 74	
Sale of " Guides ".....	236 10	
Fees from " Collecting Permits ".....	20 00	
Henry F. Osborn.....	540 00	
Appleton Sturgis.....	<u>2,000 00</u>	\$20,433 17

PATRONS' ACCOUNT : Subscription of

Archibald Rogers.....	\$1,000 00	
George C. Cooper.....	1,000 00	
Theodore A. Havemeyer.....	1,000 00	
William C. Whitney.....	<u>1,000 00</u>	4,000 00

FELLOWS' ACCOUNT : Subscription of

Wheaton B. Kunhardt		500 00
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LIFE MEMBERS' ACCOUNT : Subscription of

James J. Goodwin.....	\$100 00	
John T. Willets.....	100 00	
Robert R. Willets.....	100 00	
Percival Knauth.....	100 00	
Frederick H. Comstock.....	100 00	
John Greenough.....	100 00	
Edward Uhl.....	100 00	
F. W. Devoe.....	<u>100 00</u>	800 00
		<u>\$25,733 17</u>

Maintenance :

By Dues from Annual Members.....	\$7,530 00	
State Department of Public Instruction.....	6,650 00	
Department of Public Parks.....	<u>25,000 00</u>	39,180 00
		<u>\$64,913 17</u>
Balance brought down to 1892.....		6,979 16
		<u>\$71,892 33</u>

[E. & O. E.] NEW YORK, January 1, 1892.

CHARLES LANIER, *Treasurer.*

ENDOWMENT FUND.

The following amounts have been paid into the Endowment Fund of the American Museum of Natural History during 1891 :

Estate of HUGH AUCHINCLOSS.....	\$10,223 56
Estate of Mrs. MARY ROGERS.....	1,000 00

FORM OF BEQUEST.

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

LIST OF ACCESSIONS, 1891.

DONATIONS.

LIBRARY.

Through the late Miss CATHARINE LORILLARD WOLFE.

Paetel, Fr. Catalog der Conchylien-Sammlung. 3 vols. 1888-90.

Bucquoy et Dautzenberg.—Mollusques Marins du Roussillon. 1891.

Benoist, E. A. Description des Céphalopodes, Pteropodes, etc.

Chenu, J. C. Leçons Élémentaires sur l'Histoire Naturelle des Animaux. 1847.

D'Orbigny, A. List of the Shells of Cuba. 1854.

“ List of the Shells of South America. 1854.

“ List of the Shells of Canaries. 1854.

Gosse, P. H. A Manual of Marine Zoology. 1855.

“ A Hand Book to the Marine Aquarium. Second edition. 1856.

Jones, T. Rymer. The Aquarian Naturalist. 1858.

Humphreys, H. N. Ocean Gardens; the History of the Marine Aquarium. 1857.

Rink, H. Gronland. 2 vols. 1852-1857.

Tenison-Woods, J. E. Marine Shells of Tasmania. 1877.

Wood, J. G. The Common Shells of the Seashore. 1865.

Rossmässlér's Iconographie. Kobelt's continuation. N. S. Vol. V, 1, 2. 1891.

Troshel. Vol. IV, 7.

Semper, C. Reisen in Archipel der Philippinen.

Martini and Chemnitz (Küster). Parts 377-389. 1890-91.

Bullettino Societa Malacologica. Vol. XIV, XV.

Quarterly Journal of Conchology. 1891.

Journal de Conchyliologie. 1891.

Nachrichtsblatt d. Deutschen Malakozoologischen Gesellschaft. 1891.

Il Naturalista Siciliano. Anno 1-4. 1882-85.

MORRIS K. JESUP, New York City.

Catalogue of the Flowering Plants and Higher Cryptogams. By H. C. Jesup.

HON. A. S. HEWITT, New York City.

Official Gazette of the United States Patent Office. Vols. LIV, LV, LVI, LVII. 1890-91.

Index.

Alphabetical List of Patentees and Inventions. 1890-91.

Annual Report. 1889.

HON. R. P. FLOWER, New York City.

War of the Rebellion. Series I. Vols. XXXI, XXXII, XXXIII-XXXVII. 1890-91.

Atlas of the War of Rebellion.

PROF. J. A. ALLEN, New York City.

American Field. 11 vols.

- JAMES TERRY (the author), New York City.
 "Sculptured Anthropoid Ape Heads." 1891.
- PROF. A. S. BICKMORE, New York City.
 Dorner, H. Führer durch den Zoologischen Garten zu Hamburg. 1875.
 Catalogue Historique et descriptif du Musée de Dijon. 1869.
 Crystal Palace Aquarium, Official Hand Book. 1875.
 Das Aquarium des Zoologischer Gartens in Hamburg.
 Indian Antiquary. Vol. XIV.
 Hardwicke's Science Gossip. 16 Nos.
 Williams, W. The Middle Kingdom. 4th edition. 2 vols. 1861.
 Hand Book of the City of Montreal. 1882.
 Mineral Resources of British Columbia. 1889.
 265 Odd numbers of Journals, Transactions, etc.
 34 Odd volumes of Journals, Transactions, etc.
 63 Miscellaneous Pamphlets.
 29 Geological and Palæontological Pamphlets.
 Annual Reports of the U. S. Geological Survey. 2 vols.
- MRS. M. SCHUYLER ELLIOT (Elliot Memorial Gift).
 9500 volumes and several thousand pamphlets.
 Illustrations of North American Entomology. Orthoptera. By
 Townsend Glover.
 Manuscript Notes from my Journal or Entomological Index. By
 Townsend Glover.
 Notes and Illustrations. Diptera. By Townsend Glover.
 Notes and Illustrations. Heteroptera. By Townsend Glover.
 Glossary (unpublished). By Townsend Glover.
- GEN. J. WATTS DE PEYSTER (the author), New York City.
 Miscellanies, I, II. 1888.
- D. G. ELLIOT, New York City.
 Annales des Sciences Nat. Zoologie. 20 Nos. 1874-1877.
 Bulletin de la Société Imp. D'Acclimatation. 9 Nos. 1865-1869.
 Flore des serres et des Jardins de l'Europe. 9 Nos.. 1852-1853.
 75 Pamphlets.
 Bericht über Leistungn in der Naturgeschte d'Vogel.—Pelzeln.
 Brasilische Saugthiere II.—Pelzeln.
 Elenco degli Scritt.—Salvadori.
 Annales Société Géologique. 1874-78.
- S. P. AVERY, New York City.
 Les Pigeons de volière et de Colombier. Et Monographie des Pigeons
 Domestiques.—Boitard.
 Natural History of English Insects. By E. Albin.
 Original Water Colors, Drawings (100 leaves), of Natural History.
 Historie Naturelle des Colibris.—Lesson.
 Historie Naturelle des Oiseaux—Mouches.—Lesson.
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Denmark.

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GEOLOGICAL DEPARTMENT.

GEO. CRAWFORD, Brooklyn, N. Y.

Head of Narwhal (*Monodon*), dredged at Charleston, S. C. Extinct
species from the Tertiary.

WM. DUTCHER, New York City.

A fossil Crab (the living species *Callinectes hastatus*, Fab.), found in a
clay concretion in the Hudson River Tunnel, 3100 feet from the
New Jersey extremity.

J. A. GRENZIG, JR., Brooklyn, N. Y.

One specimen of *Zaphrentis gigantea* (fossil coral) from Onondaga
County, N. Y.

GEO. F. KUNZ, Hoboken, N. J.

Cretaceous fossils from New Jersey, comprising a specimen of *Nautilus*
Dekayi, figured in the New Jersey Palæontology; two blocks of
Polorthus, three Gryphæas, some echinoid spines and Nodosaria?.

MRS. J. TERRY, New Haven, Conn.

Five specimens of *Maclura magna*, a fossil univalve shell from the
Chazy Limestone at Basin Harbor, Vt., Lake Champlain.

G. SZLUJKA, Drifton, Pa.

Four specimens of Coal Plants from a seam at Drifton, Pa.

Specimens of Anthracite Coal, showing cone in cone structure, from
Drifton, Pa.

Six cores of borings by diamond drill in Coal Rock at Drifton, Pa.

JACOB VON DE LOO, Albany, N. Y.

Several specimens of Chazy Limestone fossils from near Keeseville,
N. Y.

W. WALLACE, New York City.

One large slab of Oriskany Sandstone from Cobleskill, N. Y.

J. WILCOX, Media, Pa.

Specimens of Miocene fossils, from Duplin Co., N. C. Nineteen
specimens representing nine species.

MINERALOGICAL DEPARTMENT.

DR. FRANK ABBOTT, New York City.

Two handsome specimens of crystallized salt (Halite), from Salt Lake, Utah.

MAURICE BARNETT, New York City.

Two attractive specimens of associated Galenite and Calcite, from St. Joseph's Lead Co.; mines of Bonne Terre, Missouri.

C. WILLIAM BEEBE, Gouverneur, N. Y.

One specimen of Mountain Leather, enclosing nodules of Rensselaerite, one specimen of Rensselaerite; both from Gouverneur, N. Y. Also sample of pulverized Rensselaerite used in the manufacture of writing paper.

CAPT. BERRY, through PROF. J. DOUGLAS.

One specimen of Cuprite from the Dominion Copper Co.'s Mine, Globe, Arizona.

H. LANGDON BUTLER, New York City.

One specimen of Dumortierite, from Manhattan Island.

J. A. GRENZIG, JR., Brooklyn, L. I.

One specimen of Fluorite, Weardale, England.

W. R. MCCLURE, New York City.

One specimen of Sphalerite with Galenite, from Carthage, Jasper Co., Mo.

WM. NIVEN, New York City.

One specimen of pink Garnet, from Mexico.

E. E. OLCOTT, New York City.

A number of Amethystine Crystals, from Pennsylvania.

REV. R. B. POST.

Specimen of Pele's Hair (Amphibole), from Kilauea, Island of Hawaii, Sandwich Islands.

SANDERSON SMITH, New York City.

One specimen of Pyrargyrite, from Ruby Hill, Nevada.

CHAS. H. SNOW, Silver City, New Mexico.

One specimen of Copper (Pseudomorph after Azurite), from Grant Co., New Mexico.

Specimens of native Copper, Garnet, Calamine, Sphalerite and Turquoise, from Grant Co., New Mexico.

GILMAN S. STANTON, New York City.

Specimen of crystallized Quartz in cavities, from Paterson, N. J.

Two specimens of Datolite, from Paterson, N. J.

One specimen of Delessite (?), from Somerville, Mass.

J. TERRY, New Haven, Conn.

A large specimen of Silver Ore, from San Bernardino Co., Providence Mountains, Cal.

W. THEISS, Baltimore, Md.

Specimens of Serpentine and Picrolite, from Maryland.

S. L. WILSON, New Milford, Conn.

One Beryl of large size, enclosed in quartz with Feldspar.

Two Garnets, large and fine in color, from granite vein six miles north of New Milford, Litchfield Co., Conn.

INVERTEBRATE ZOÖLOGY.

SANDERSON SMITH, Staten Island.

Four specimens of Sponges, from the West Coast of Central America.

U. S. NATIONAL MUSEUM, Washington, D. C.

Specimens of Crinoides, obtained in deep-sea dredgings near Cuba, W. I., including examples of *Pentacrinus decorus* Wy. Thom., *P. Mülleri* Oersted, *Rhizocrinus Rawsoni* Portales and *Antedon dentatum* Verrill.

DEPARTMENT OF MAMMALS.

FRANK B. ARMSTRONG, Brownsville, Texas.

15 small Mammals, from Texas.

H. P. ATTWATER, Rockport, Texas.

2 specimens, from San Antonio, Texas.

P. T. BARNUM and J. A. BAILEY, Bridgeport, Conn.

1 Red Deer, 1 Sea Lion, 1 Harbor Seal.

Miss NELLIE BLY, New York City.

2 Monkeys.

FRANK M. CHAPMAN, New York City.

5 specimens, from Florida.

DEPARTMENT OF PUBLIC PARKS, New York City, through Dr. W. A. Conklin, Superintendent.

22 Monkeys; 1 Lemur; 1 Tiger; 1 Leopard; 1 Jaguar; 2 Ocelots; 2 Gray Foxes; 1 Red Fox; 1 Mink; 1 Mongoose; 1 Malayan Bear; 2 Sun Bears; 3 Black Bears; 4 Raccoons; 3 Sea Lions; 1 American Bison; 1 Zebu; 1 Aoudad; 3 Deer; 1 Llama; 1 Woodchuck; 1 Spotted Cavy; 3 Guinea Pigs; 1 Phalanger, 3 Kangaroos; 1 Opossum. Total, 63 specimens, received in the flesh.

GEORGE K. CHERRIE, San José, Costa Rica.

32 specimens, from Costa Rica.

S. D. DILL, New York City.

2 young Ferrets.

D. G. ELLIOT, New York City.

20 Fox Squirrels, from various localities.

T. MANUEL ESPIN, New York City.

1 Bat, from Cuba.

L. S. FOSTER, New York City.

9 small Mammals, from Greene Co., N. Y.

MORRIS M. GREEN, Syracuse, N. Y.

25 small Mammals, from Western New York.

G. S. HUNTINGTON, M.D., College of Physicians and Surgeons, New York City.

2 Monkeys; 1 Civet Cat; 1 Hutia.

C. B. ISHAM, New York City.

1 Mole.

D. P. INGRAHAM, Elmira, N. Y.

2 specimens of *Capromys ingrahami*, from Bahama Islands.

- M. D. JACOBS, New York City.
1 Red Bat.
- HENRY KAYSER, New York City.
1 Bat.
- LEVERETT M. LOOMIS, Chester, S. C.
4 Squirrels.
- EDGAR A. MEARNS, M.D., U. S. A., Fort Snelling, Minn.
1 Moose; 1 Moose head; 1 Deer head, and 32 small Mammals, mostly from Minnesota.
- LOUIS ZEREGA MEARNS, Fort Snelling, Minn.
1 White-footed Mouse.
- MUSEO NACIONAL DE COSTA RICA, San José, C. R.
20 specimens, from Costa Rica.
- JENNESS RICHARDSON, New York City.
1 European Hare.
- JOHN ROWLEY, JR., Hastings-on-Hudson, N. Y.
1 Gray Fox; 3 Raccoons; 3 Shrews; 2 Squirrels; 12 White-footed Mice; 5 Muskrats.
- Mrs. M. SHAW, New York City.
1 Diana Monkey.
- GEORGE B. SENNETT, Erie, Pa.
125 specimens, chiefly from Minnesota, Pennsylvania, Texas and Mexico.
- WILLIAM WALLACE, New York City.
1 Raccoon.
- HENRY L. WARD, Rochester, N. Y.
1 Bat, from Mexico.

DEPARTMENT OF BIRDS.

- H. P. ATTWATER, Rockport, Texas.
3 specimens, San Antonio, Texas.
- C. CARRINGTON BACON, Bell, Ky.
2 specimens, from Kentucky.
- PETER TOWNSEND BARLOW, New York City.
223 South American birds, chiefly Hummingbirds.
- L. BELDING, Gridley, Cal.
8 specimens, from California.
- DR. ST. FELIX COLARDEN, Guadaloupe, W. I.
37 specimens, from Guadaloupe Island, W. I.
- W. W. COLE, New York City.
2 tails of Lyre Birds.
- DEPARTMENT OF PUBLIC PARKS, New York City, through Dr. W. A. Conklin, Superintendent.
7 Parrots; 1 Barn Owl; 1 Screech Owl; 1 Turkey Vulture; 1 Pea Fowl; 2 Pheasants; 1 Egret; 1 Brant; 1 Goose; 1 Black Swan; 1 White Pelican; 1 Gull. Total, 19 specimens.
- ROGER A. DERBY, New York City.
1 Vireo's nest.
- W. F. DUNNING, New York City.
1 mounted Peacock.

- HARRY FLOYD, New York City.
3 specimens, from Long Island and New Jersey.
- JULIUS GOTTSCHALK, Brooklyn, N. Y.
1 King Penguin.
- W. W. GRANGER, New York City.
1 Pigeon.
- C. B. ISHAM, New York City.
1 Pine Warbler.
- HOWARD K. JAMES, Rockville, Conn.
60 specimens, chiefly from Connecticut.
- GEORGE N. LAWRENCE, New York City.
Type of *Chatura dominicana colaradeni*.
- R. H. LAWRENCE, Olympia, Wash.
15 specimens, from Washington.
- LEVERETT M. LOOMIS, Chester, S. C.
200 specimens, from South Carolina.
- GEORGE R. MCKENZIE, New York City.
1 egg of Golden Eagle.
- C. OERTEL, New York City.
1 mounted Wood Ibis.
- E. E. OLCOTT, New York City.
1 Motmot ; 1 Hummingbird ; 2 Cocks of the Rock.
- AUSTIN F. PARK, Troy, N. Y.
16 Purple Grackles.
- JOHN PATON, New York City.
1 Paradise Trogon.
- F. T. PEMBER, Granville, N. Y.
5 specimens, from California.
- LUDWIG RIEDERER, New York City.
9 eggs of Lapwing.
- C. B. RIKER, Orange, N. J.
3 specimens, from the West Indies.
- JOHN ROWLEY, JR., Hastings, N. Y.
10 specimens, from Hastings, N. Y.
- W. E. D. SCOTT, New York City.
2 mounted Wild Turkeys, from Florida ; 5 eggs of the Screech Owl.
- I. B. SNIFFEN, Greenwich, Conn.
1 Screech Owl.
- CAPT. P. M. THORNE, 22d Inf., U. S. A., Fort Keogh, Montana.
27 specimens of *Colaptes*, from Colorado and Montana.
- MISS WISTAR, New York City.
1 egg of Eider Duck ; 1 egg European Herring Gull.

DEPARTMENT OF REPTILES AND FISHES.

- WM. L. BAKER, Montauk Point Life Saving Station, N. Y.
1 Trigger Fish, from Long Island.
- FRANK M. CHAPMAN, New York City.
30 specimens, Reptiles, from Englewood, N. J.

- WM. A. CHAPMAN, Hillburn, N. Y.
1 Snake.
- J. J. DETWILLER, New York City.
3 Snakes, from Hudson Co., N. J.
- J. H. HARRIS, New York City.
1 Land Tortoise.
- DEPARTMENT OF PUBLIC PARKS, New York City, through Dr. W. A. Conklin, Superintendent.
2 Alligators.
- GUSTAVE KOHN, New Orleans, La.
3 Turtles.
- DR. EDGAR A. MEARNs, U. S. A., Fort Snelling, Minn.
1 *Emys meliagris*, from Minnesota.
- W. NIVEN, New York City.
1 Iguana; 1 *Heloderma horridum*.
- DR. MORTON R. PECK, New York City.
2 specimens of Lizard (*Eumeces fasciatus*), from Fort Lee, N. J.
- FRED. PETER, New York City.
1 Flounder, from Fort Hamilton, N. Y.
- E. W. SMITH, Orange, N. J.
1 Ring-necked Snake, from New Jersey.

DEPARTMENT OF ENTOMOLOGY.

THROUGH MUSEUM EXPEDITIONS.

- About 4500 specimens from New York City and vicinity.
- M. RYBINSKI, New York City.
2 alcoholic specimens of Spiders (*Lycosa singorensis*), from S. Europe.
- CHARLES UPSON CLARK;
About 800 Beetles, from Massachusetts.
- MISS MARY A. LONG, Interlachen, Fla.
6 living larvæ of *Papilio cressphontes*.
- MRS. ANNIE TRUMBULL SLOSSON, New York City.
1 larva of *Seiractia Echo*, from Florida.
2 larvæ of *Hypercheria lilith*, from Florida.
2 specimens of *Lagoa pyxidifera*, from Florida.
1 specimen of *Melipotis* sp., from Florida.
3 specimens of *Seiractia Echo*, from Florida.
1 specimen of *Hyarpax aurostriata*, from Florida.
1 specimen of *Varina ornata*, from Florida.
- MRS. ETTA B. HERRING, Plainfield, N. J.
2 specimens of *Callidryas eubule*, from Florida.
3 specimens of *Agraulis vanilla*, "
1 specimen of *Eudamus proteus*, "
1 specimen of *Danais berenice*, "
2 specimens of *Teris nicippi*, "
1 specimen of *Papilio ajax*, "
1 specimen of *Papilio cressphontes*, "
- OTTOMAR DIETZ, New York City.
12 specimens of insects, from Florida.
- CHARLES DURY, Cincinnati, Ohio.
50 rare Beetles, from Ohio.

- JOHN H. WINSER, New Jersey.
 1 Spider, from Lake Hopatcong, N. J.
 2 Beetles, from New Jersey.
- RICHARD PEARSALL, Brooklyn, N. Y.
 2 specimens, *Scopelosoma moffatiana*.
- JAMES TERRY, New Haven, Conn.
 1 *Tarantula* nest, from California.
- JAMES H. HOLMES, Caldwell, N. J.
 1 *Elater oculatus*.
 1 *Necrophorus americanus*.
 1 *Cybister fimbriolatus*.
- JOSEPH M. PRAY, New York City.
 1 *Tarantula* nest, from California.
- E. C. FRANK, Wilkesbarre, Pa.
 6 specimens of *Amphibolips spongifica*.
- WM. BEUTENMÜLLER, New York City.
 Specimens of South American Ant.
- J. M. ESPIN, Hayti, W. I.
 A few Butterflies and Beetles, from Hayti.
- L. S. FOSTER, New York City.
 Larva of a Dipterous parasite, found under the skin of a Chipmunk.
- MRS. M. SCHUYLER ELLIOT.
 10 Moths, from West Woodstock, Conn.
- A. L. CARROLL, New York City.
 1 pupa of *Eristalis*.
- MRS. N. L. BRITTON, New York City.
 Eggs of Gypsy Moth, from Spain.
- F. B. SIMPSON, New York City.
 3 specimens of *Morpho cytheris*, from Brazil.
 " " *Curculio regalis*, "
 10 " " *Hoplia philanthus*, from Europe.
- G. D. BRADFORD, New York City.
 30 Beetles, from Massachusetts.
- CARL LUMHOLTZ.
 120 Beetles, from Sonora, Mexico.
- WM. T. DAVIS, Tomkinsville, S. I.
 2 *Pamphila massasoit*.
- EBEN E. OLCOTT, New York City.
 50 Butterflies, from Peru.

DEPARTMENT OF ARCHÆOLOGY AND ETHNOLOGY.

- CHARLES H. BARRETT.
 A Bone Implement, dug from the mud in the harbor of Glen Cove, L. I.
- JOSEPH WILCOX, of Wagner Institute, Philadelphia, Pa.
 3 Chipped Stone Implements, from the mouth of the Cheeshowiska River, Florida.
- EDWARD E. POOR, Hackensack, N. J.
 A Feather Necklace, made from the feathers in the yellow tufted Bee-eater (*Acrulocereus Nobilis*) of the Sandwich Islands.

MRS. J. CROSBY BROWN, New York City.

A Siamese Knife.

AUGUSTUS LIPPITT, Brooklyn, N. Y.

One Large Wooden Bowl, made by the Indians at Chatham, Columbia, N. Y., upwards of 125 years ago.

E. TAPPAN ADNEY, New York City.

Model of Toboggan, used by a Malicete Indian, Woodstock, N. B.

1 Pair Moccasins, ornamented with porcupine quills.

“ “ “ “ beads.

“ “ “ “ (child's).

“ “ “ “ grass.

“ “ “ “ beads.

“ “ (papoose).

“ “ with heel appendage.

1 Birch Bark Washbowl.

Model Melicete Canoe.

Model of Batteau.

1 Pair “Pacs” (shoes), used by lumbermen in New Brunswick.

JOHN CLARKE, Flushing, Long Island.

Copper Pipe, found at Black Horse, Maryland.

DR. J. L. WORTMAN, of the Museum.

1 Yellow Jasper Chipped Knife, found in the Big Horn Basin, Wyoming.

EBEN E. OLCOTT, New York City.

1 Jar of Incense Gum, from Sandia, Peru.

1 Indian Stone Axe, from Mexico.

“ “ “ Dutch Guiana.

DR. EDGAR A. MEARNS, U. S. Army.

“Bell Latch” of a Moose.

EXCHANGES.

LIBRARY.

H. H. & C. S. BRIMLEY, Raleigh, N. C.

Journals. 61 odd numbers.

G. E. STECHERT, New York City.

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 Chnu, D'Histoire Naturelle Quadrumanes.
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 Mivart, St. Geo. Contemporary Evolution. 1876.

GEOLOGICAL DEPARTMENT.

With the Wagner Free Institute of Science, Philadelphia, Pa., through Joseph Wilcox; thirty-eight specimens of Pliocene fossils from Florida, embracing eleven species.

DEPARTMENT OF MAMMALS.

- CLARENCE A. SMITH, New York City.
 24 small Mammals, from Colorado.
 W. C. SOUTHWICK, Raritan, N. J.
 3 Weasels.

DEPARTMENT OF BIRDS.

- H. P. ATTWATER, Rockport, Texas.
 15 specimens, from Texas.
 DR. W. C. AVERY, Greensboro, Ala.
 12 specimens, from Alabama.
 W. C. SOUTHWICK, Raritan, N. J.
 13 specimens, chiefly from New Jersey.
 DR. B. H. WARREN, Chester, Pa.
 5 specimens, from Pennsylvania.

PURCHASES

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MINERALOGICAL DEPARTMENT.

- GEO. L. ENGLISH & CO., New York City.
 The Spang Collection of Minerals.
 Stalactites, from Bisbee, Arizona.
 Azurite, from Clifton, Arizona.
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 Twin Calcites, from Egremont and Cumberland, England.
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THROUGH MUSEUM EXPEDITIONS.

77 specimens, from Texas, collected by Frank M. Chapman.

LUMHOLTZ EXPEDITION TO MEXICO.

30 specimens, chiefly from Sonora.

BY DIRECT PURCHASE.

137 specimens from California ; 12 specimens from Colorado ; 15 specimens from Idaho ; 17 specimens from Illinois ; 10 specimens from Minnesota ; 28 specimens from North Carolina ; 94 specimens from Texas, and 35 specimens from other localities.

DEPARTMENT OF BIRDS.

THROUGH MUSEUM EXPEDITIONS.

124 specimens from the vicinity of Corpus Christi, Texas, collected by Frank M. Chapman.

LUMHOLTZ EXPEDITION TO MEXICO.

408 specimens, from Sonora and Chihuahua.

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1 Heath Hen (*Tympanuchus cupido*), Martha's Vineyard, Mass.; 61 specimens, from Louisiana.

DEPARTMENT OF ARCHÆOLOGY AND ETHNOLOGY.

1 Sculptured Image, from Mexico.

Appleton Sturgis Collection of Pacific Island Life, 2200 specimens.

James Terry Collection American Archæology, 26,000 specimens.

INCORPORATION.

AN ACT

TO INCORPORATE THE

AMERICAN MUSEUM OF NATURAL HISTORY,

•
Passed April 3, 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, Charles 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 purchase and hold, or lease any real and personal estate necessary and proper for the purposes of its incorporation, provided they shall not hold real estate which shall exceed one hundred thousand dollars in value.

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.*

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, accepted resignation, or removal from the State 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 and 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 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 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 office of Secretary and of Assistant Treasurer may be held by the same person.

ARTICLE VI.

The Executive Committee shall consist of nine, 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. It shall be their duty to examine and certify all bills presented against the corporation, and no bills shall be paid unless first approved by the President, or the Chairman of the Executive Committee, in writing, and by at least one member of this Committee.

They shall also have the books of the Museum duly audited at least once in six months by an authorized public accountant to be selected by them.

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.

A majority of the Trustees for the time being 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 \$1000 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 \$1000 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 every day except Sunday, 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 gentlemen 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-office*—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.

PATRONS.

By the Payment of One Thousand Dollars.

MORRIS K. JESUP.
 ROBERT L. STUART.*
 Miss C. L. WOLFE.*
 ROBERT COLGATE.*
 FREDERIC W. STEVENS.
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Honorary Patrons,

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By the Payment of Five Hundred Dollars.

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