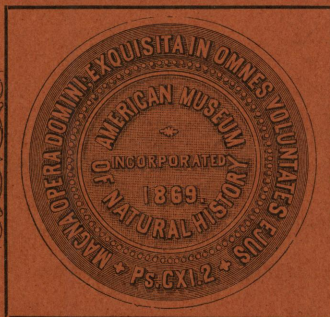


THE
American Museum of Natural History

CENTRAL PARK, NEW YORK CITY.

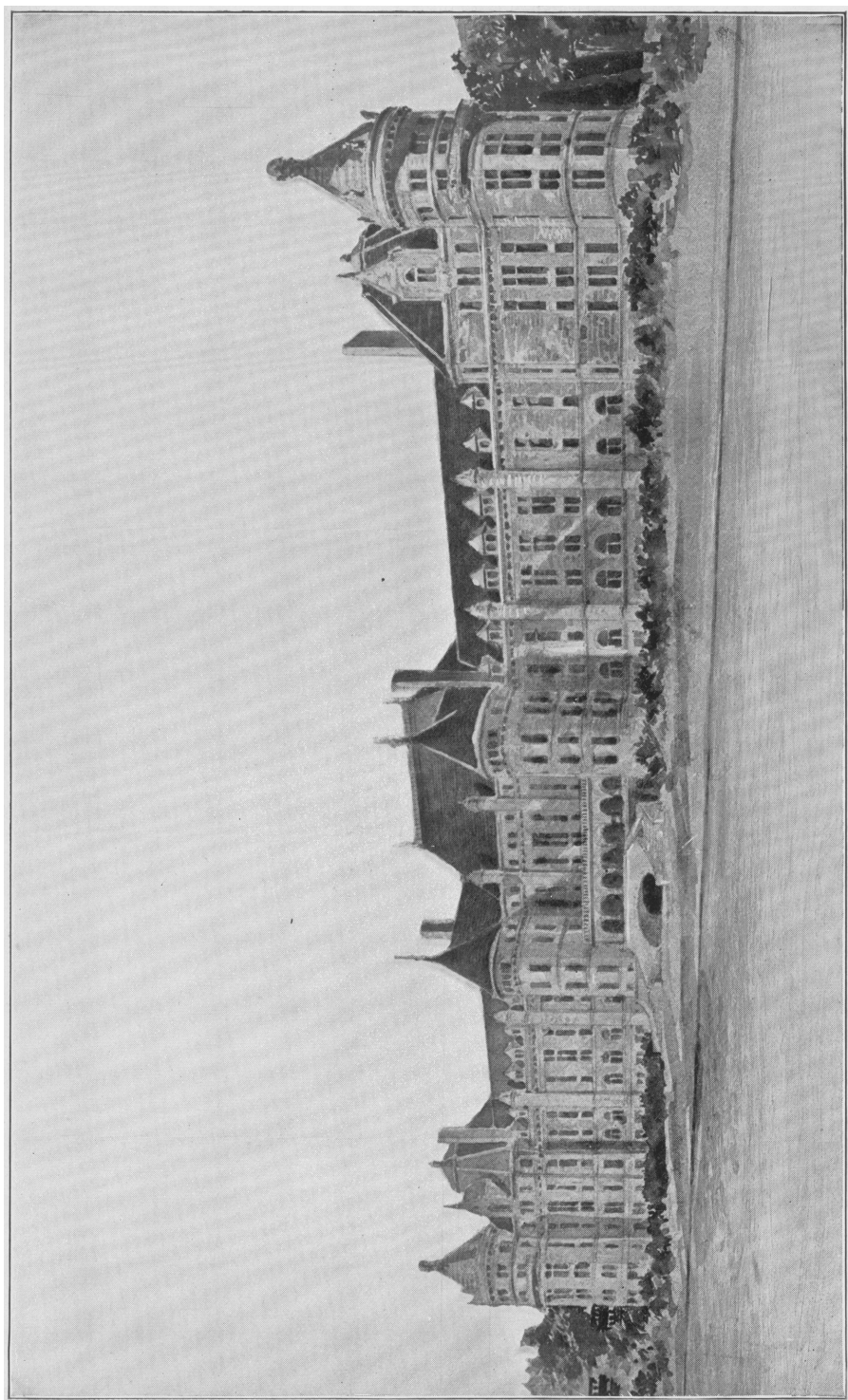
(77th Street and Central Park, West.)



ANNUAL REPORT OF THE PRESIDENT,
TREASURER'S REPORT, LIST OF ACCESSIONS,
CONSTITUTION,
BY-LAWS AND LIST OF MEMBERS
FOR THE YEAR 1897.

PRINTED FOR THE MUSEUM.

THE
AMERICAN MUSEUM OF NATURAL HISTORY.



PERSPECTIVE VIEW OF SOUTH FRONT OF MUSEUM, SEVENTY-SEVENTH STREET.

THE
AMERICAN MUSEUM OF NATURAL
HISTORY,

• CENTRAL PARK, NEW YORK CITY.

(77th Street and Central Park, West.)

ANNUAL REPORT OF THE PRESIDENT,
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BY-LAWS AND LIST OF MEMBERS
FOR THE YEAR 1897.



NEW YORK:
PRINTED FOR THE MUSEUM.

1898.

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

BOARD OF TRUSTEES,

1898.

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OSWALD OTTENDORFER.

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ANSON W. HARD.

D. O. MILLS.

WILLIAM ROCKEFELLER.

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* Died February 9, 1898.

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FOR 1898.

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DEPARTMENT OF PUBLIC INSTRUCTION.

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DEPARTMENTS OF GEOLOGY, MINERALOGY, CONCHOLOGY
AND MARINE INVERTEBRATE ZOÖLOGY.

Prof. R. P. WHITFIELD, Curator.
L. P. GRATACAP, Ph.B., } Assistant Curators.
Dr. EDMUND O. HOVEY, }

DEPARTMENT OF VERTEBRATE ZOÖLOGY.

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FRANK M. CHAPMAN, Assistant Curator.
JOHN ROWLEY, Taxidermist.

DEPARTMENT OF VERTEBRATE PALÆONTOLOGY.

Prof. HENRY FAIRFIELD OSBORN, Curator.
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Dr. W. D. MATTHEW, Assistant.

DEPARTMENT OF ANTHROPOLOGY.

Prof. FREDERIC W. PUTNAM, Curator.
MARSHALL H. SAVILLE,
Assistant Curator of the Archæological Division.
Dr. FRANZ BOAS,
Assistant Curator of the Ethnological Division.

DEPARTMENT OF ENTOMOLOGY.

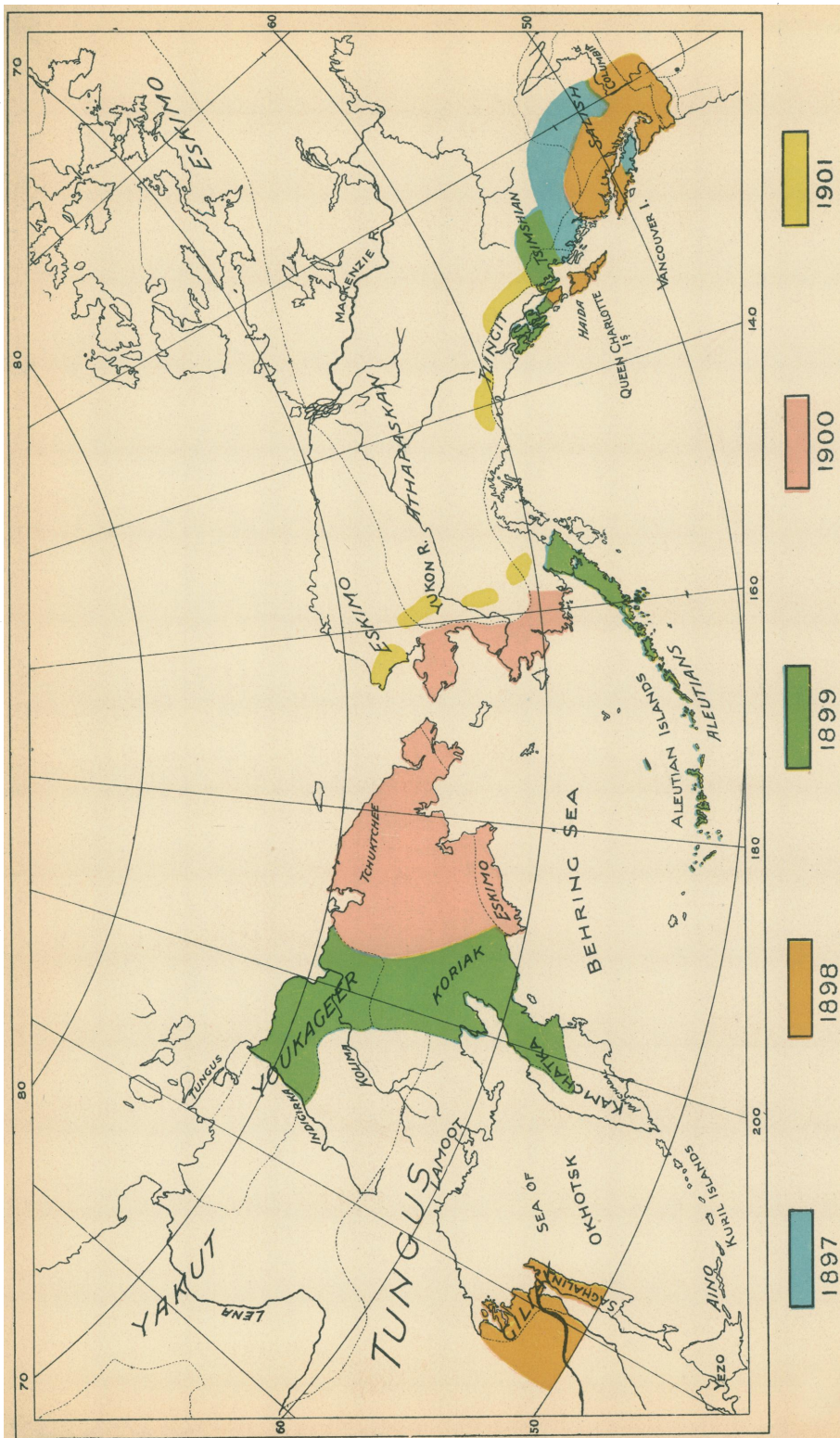
W. BEUTENMÜLLER, Curator.

LIBRARIAN.

A. WOODWARD, Ph.D.

SUPERINTENDENT OF BUILDING.

WILLIAM WALLACE.



TWENTY-NINTH ANNUAL REPORT.

To the Trustees of the American Museum of Natural History :

I have the honor to present the following brief statement of the work of the Museum for the year ending Dec. 31, 1897:

FINANCES.—Your attention is called to the fact that the expenditures have been kept within the limits of the appropriations made at the annual meeting.

Endowment account has a credit balance of \$3,192.06, after meeting the deficit in the receipts for maintenance during the year. I am enabled to report this very gratifying result through the generous assistance accorded by the Trustees at the annual meeting, on which occasion \$25,750 was subscribed to liquidate the Dr. balance at the close of 1896, and the estimated deficiency in the income for 1897.

It will be seen that the amount received from the city is not sufficient to maintain the Museum.

The following summary of the Treasurer's report shows the total receipts and disbursements:

MAINTENANCE.

Receipts from the City	\$94,998 18	
“ “ other sources	12,040 26	
Transfer from Endowment Account to balance deficit, Jan. 1, 1897.....	3,406 23	
Transfer from Endowment Account to balance deficit, Dec. 31, 1897....	1,510 01	\$111,954 68
Dr. Balance, Jan. 1, 1897.....	\$3,406 23	
Disbursements.....	108,548 45	\$111,954 68

ENDOWMENT.

Receipts from all sources....		\$69,548 80
Balance Jan. 1, 1897.....	\$7,258 10	
Transfer to Maintenance Account to balance deficit, Jan. 1, 1897.....	3,406 23	
Disbursements for the increase and development of the collections....	54,182 40	
Transfer to Maintenance Account to balance deficit, Dec. 31, 1897.....	<u>1,510 01</u>	
	\$66,356 74	
Cash surplus carried over to Jan. 1, 1897.....	<u>3,192 06</u>	<u>\$69,548 80</u>

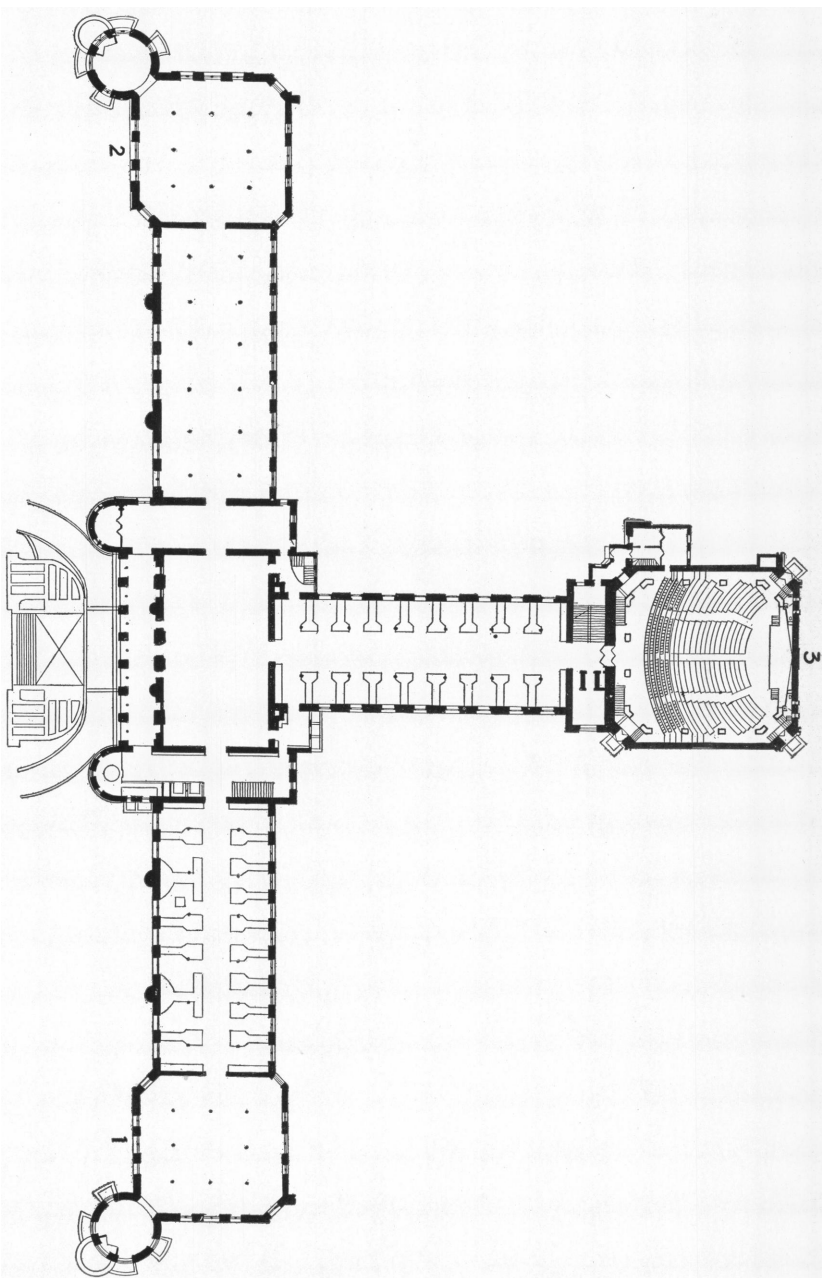
ADDITIONS TO THE BUILDING.—Early in April the State Legislature enacted a law empowering the municipal authorities to erect a new lecture hall and an addition to complete the corner of the west wing. Plans for these structures were promptly prepared, and received the approval of the Trustees, the Commissioners of Parks, and the Board of Estimate and Apportionment; the latter at the same time authorized the issue of the bonds as provided in the Act.

Within a brief time contracts were let for the structure to complete the east wing, for the erection of the addition to complete the west wing, and for the construction of the large lecture hall at the north end of the old building.

Rapid progress is making on all of these buildings, and unless some unforeseen delay prevents it is expected that the halls will be ready for cases and fittings during 1899. The new lecture hall may be ready for occupancy late in the coming autumn, and will have a seating capacity for fifteen hundred persons. This hall will provide ample accommodation for the large numbers which at times heretofore have been unable to gain admission to the courses of free lectures to the public.

Attention is called to the diagram inserted in this report which exhibits the two end structures and the new lecture hall at the north end.

With these additions the south front of the Museum will be completed in accordance with the original plans adopted at the time the first structure was erected.



GROUND PLAN. { 1.—East Wing, under construction.
 2.—West " "
 3.—Lecture Hall, " "
 " "

ACCESSIONS.—The list of accessions published in the later pages of this report is an evidence of the growing interest felt in this Museum by our citizens. The donations were numerous, and represent many valuable additions to the collections and Library.

I desire to record our appreciation of the gift made by Mr. Wm. F. Havemeyer of a painting and four studies of some of the important works of Wm. Bradford. These have been hung in the Library, with the large painting of the "English Expedition in Search of Sir John Franklin," given to the Museum in 1892 by Mr. Havemeyer and a number of his friends. The celebrated work owned by C. P. Huntington, and painted by the same artist, entitled "The Polaris in the Ice at Thank God Harbor," also hangs in the Library.

Mr. James A. Bailey has given an Indian Elephant, two Camels and two Kangaroos, to the Department of Vertebrate Zoölogy. Our thanks are also due to the Commissioners of Parks for a number of animals which died at the Menagerie and at the Aquarium.

Mr. James M. Constable and your President had the pleasure of securing for the same department three excellent specimens of Mountain Sheep, the types of a new species described in the present volume of the Bulletin.

Gifts of rare and very desirable collections of mammals, birds and reptiles were received from Dr. Edgar A. Mearns, U. S. Army; Mr. Morris M. Green, of Syracuse, N. Y., and Mr. W. R. Horn, of Melbourne, Australia. Miss Annie Peniston, of Hamilton Parish, Bermuda, has presented another collection of shells from Bermuda, an addition to her previous donation.

The Copper Queen Consolidated Mining Company has added to its previous gifts a number of valuable specimens, and Mr. I. F. Elder, of Keokuk, Iowa, presented forty-two geodes from Northwestern Missouri.

A collection of fossils and shells were donated by Mr. Wm. E. Crane, of Tarrytown, N. Y., many of the shells being previously unrepresented in the collection.

The Department of Anthropology has been greatly benefited through the liberality of the Duke of Loubat. The means to

continue archæological research in the Delaware Valley, near Trenton, N. J., were provided by him, and the results sent to the Museum. He has also presented the Department a number of casts made from large sculptures in the National Museum of Mexico, and a complete set of the casts from America, Asia and Polynesia, in the Ethnographical Museum of Berlin. To these he has added casts from the moulds, owned by Mr. A. Maudslay, of the large sculptured stone at the ancient ruins of Quirigua, Guatemala, known as the "Great Turtle of Quirigua," a cast of the largest of the stone idols at the same place, 27 feet in height, and of a large stone of similar character from the ruins of Copan, Honduras.

The Duke also provided the means for securing a number of casts of other large sculptures from Copan, from moulds belonging to the Peabody Museum, and we are also indebted to him for a large collection of objects obtained in Mexico and Guatemala by Dr. Edward Seler.

Mr. Francis C. Nicholas, General Manager of the South American Exploration Company, made an interesting collection of archæological material during his examination of the tract of land belonging to this Company in the eastern portion of the United States of Colombia. The gift contains a number of specimens of special interest from a region hardly known to the archæologist.

Late in the year, forty-eight new water colors, painted by Mrs. C. S. Sargent, were added to the Collection of North American Forestry by the President; others will be contributed until the collection is made complete. Sections of several new species of trees, discovered during the year, were also added, and new maps were prepared showing the geographical distribution of the trees.

We are greatly indebted to Mr. Wm. Schaus, of Twickenham, England, who has recently donated his collection of Old World Moths, in all eight thousand specimens. Mr. Schaus is engaged in identifying the species still in his possession, and upon the completion of this work will send them to the Museum.

The Trustees are also indebted to the Very Reverend Dr. Eugene A. Hoffman, Dean of the General Theological Seminary of this city. His interest in the Museum has induced him to

present us with a representative collection of the Butterflies of America, North of Mexico. He has also authorized the Curator to select for the Museum a representative collection of the Butterflies of Central and South America.

The Termite and Ant Hill Nests, collected in Hayti and the United States of Colombia, by Mr. Francis C. Nicholas, now shown in the Gallery Hall, were presented by Mr. Henry C. Pratt of this city.

Among the many accessions to the Library I make special mention of the gift of Miss Laura P. Halsted, a warm friend of the Institution, who presented three hundred and seven volumes as a memorial to her brother, the late Robert Halsted.

Another important donation has been received from the British Government, which, at the request of the Royal Society, has presented to the Library the "Report on the Scientific Results of the Voyage of H. M. S. 'Challenger,'" consisting of forty-four volumes.

The Library has also received, through the generosity of the Duke of Loubat, ninety-two volumes relating especially to Anthropology, an exceptionally helpful gift to this department, the works having been selected with reference to its needs. Many of the volumes are very rare.

One hundred specimens have been added to the mammal exhibit, among which are six Deer, a Puma, three Mountain Sheep, a Rhinoceros, a Nilghau, and four dogs representing prominent races.

Two new groups were added to the series of bird groups, prepared with their natural surroundings; one of these comprises adult and young specimens of the Duck Hawk. The other contains the old and young of the Red-shouldered Hawk. Both were mounted with their natural accessories in a realistic manner, under the supervision of Mr. John Rowley, and have been placed in the main hall, at the entrance.

Skeletons of the Walrus, White-tailed Gnu, Polar Bear, Narwhal, Rhinoceros and Boa Constrictor have been added to the exhibition collection.

About 250 geological and mineralogical specimens were purchased in various parts of Russia and Russian Armenia by

Dr. Edmund O. Hovey, Assistant Curator in the Geological Department, while in attendance at the Seventh Triennial Session of the International Geological Congress convened at St. Petersburg. Dr. Hovey also made a short stay at the Marine Zoölogical Laboratory, Bay of Naples, where he secured a very interesting series of specimens. His leave of absence covered a period of several months, a portion of the cost of the journey and his salary being defrayed by the Trustees.

EXPEDITIONS.—Field exploration is an influential factor in the growth of the Museum, and its importance increases with each succeeding year. The brief mention here following gives but an inadequate idea of the great increase in the collections due to this source.

After remaining nearly four years in Mexico, Dr. Carl Lumholtz returned in April last, and has since been engaged in preparing his notes, and the labels for the material gathered by him. This large and costly collection, secured among the tribes of Mexico, adds greatly to our knowledge of their history. From the Huichols a full series of objects was obtained relating to tribal ceremonies. The specimens have been catalogued, and will soon be arranged in the west wing.

Dr. Adolf F. Bandelier has continued his researches in Bolivia and Peru, mainly in the vicinity of Lake Titicaca. The collections received during the year were numerous and valuable, and contained a number of trephined skulls, to which attention was called many years ago by the late E. G. Squier. The Museum now owns a large number of these skulls, and very interesting results will accrue from their study, particularly since one gives evidence of the remarkable surgical operation of bone-grafting. The Peruvian collection has not yet been exhibited in its entirety, but will soon be placed in the west wing.

The services of Mr. Ernest Volk were continued for the entire year, exploring at several points near Trenton, N. J. As before mentioned, the Duke of Loubat defrayed the cost of this work, which has been carried on under the direction of Prof. F. W. Putnam for the purpose of careful investigation of the question

which has arisen relative to the antiquity of man in the Delaware Valley. In this connection it may be stated that a subscription has been made by Mr. B. Talbot B. Hyde to defray the cost of further continuing the work in 1898.

Acting under the concession granted to this Institution by the Mexican Government, Mr. Marshall H. Saville, Assistant Curator in charge of the division of Archæology, has been for several months in Mexico, engaged in the exploration of ancient ruins, from which he has gained information of great scientific importance, and has also sent valuable material for our exhibits. Mr. Saville will not return until May next.

Messrs. B. Talbot B. Hyde and Frederick E. Hyde, Jr., have at their personal cost continued the explorations in the ancient pueblos in New Mexico. The present year forms the third season of the work they have very generously prosecuted in the interest of the Museum. Fully as valuable results are expected from the continuation of the work next year, and it is a source of sincere pleasure to feel that the efforts of the Trustees meet with such earnest coöperation.

Another important expedition was undertaken in the interest of the Department of Vertebrate Zoölogy by Mr. A. J. Stone, a trained collector. His plans provide for a series of journeys, begun this year, and to be continued till the close of the autumn of 1900. His operations will cover the territory from Montana to Bering Strait. The Department will thus acquire a full representation of the game and other large animals to be found in the countries he will visit. This material will greatly enrich our display of North American Mammals, for which additions the Museum is indebted to Mr. James M. Constable.

It is of interest to note that an important plan has been arranged conjointly with the Carnegie Museum, whereby Mr. Herbert H. Smith, late a curator there, and a skilled collector, will make an extended trip to the United States of Colombia. He will gather specimens for both institutions, which will provide this Museum with a large series of species now unrepresented in our collections.

Mention was made in the report of the preceding year of the valuable results which would accrue to science from a systematic

investigation of the tribes inhabiting the coasts of the North Pacific Ocean, and the acquisition of information disclosing their historical development. In the same report a map was annexed showing the region which it was proposed to cover in the course of the research. The details of the plan were arranged in the beginning of this year in order to enter upon the work at the earliest practicable moment. Your President thereupon decided to assume the expense involved in prosecuting the research, and a revised map is incorporated in the present report showing the localities to be visited during the next four years.

The plans for the work for the second year have been decided, and reports will be made from time to time of the operations of the parties in the field. Occasional articles, which have appeared in the public press, have furnished a brief and popular narrative of the progress made by the explorers up to the close of the first season.

Thanks are due to the Imperial Russian Government for assurances of its coöperation in the work to be undertaken on the coast of Northeastern Siberia, and the State Department of our own country has also given valuable assistance and counsel, in relation to the movements of the explorers.

Our parties engaged in the field received important aid from some of the transcontinental lines, and it is very gratifying to record this manifestation of continued interest in the Museum's work. In this regard, the Board is indebted to Mr. C. P. Huntington, Mr. George J. Gould, Mr. Eben B. Thomas, Sir William C. Van Horne, Mr. Edward D. Adams, Mr. James J. Hill, and Mr. E. T. Jeffrey. The Wisconsin Central Railroad and branches have aided the Museum in the transmission of freight, and the New York & Cuban Mail S. S. Company, and the Panama R. R. Company, have granted special rates on shipments from Mexico and Peru.

DEPARTMENT OF VERTEBRATE ZOÖLOGY.—Additional room and larger facilities were provided for the Study Collection, which was rearranged during the year. A beginning has been made toward gathering material to represent by means of casts, or mounted specimens, the fish and reptile fauna of the State.

Labels were supplied for all new specimens of Mammals, and many old labels have been replaced to conform to the recent changes in nomenclature; the Bird Collection has received similar attention. The gain of the year is summarized as follows: Mammals, 872; birds, 1356; reptiles, 146; fishes, 150.

DEPARTMENT OF GEOLOGY AND INVERTEBRATE ZOÖLOGY.—The work of the department has mainly been devoted to the care of the Shell Collection; labels have been prepared for the general collection, which has required the revision and preparation of about 4500 labels. In bringing together the material, it is disclosed that the case room is insufficient for the proper installation of this branch of our collections, and it will require therefore the assignment of more space for the purpose.

Considerable attention has also been given to the specimens of Invertebrate Zoölogy in the way of mounting and preparing specimens brought in during the year. The corals and sponges have been displayed to better advantage.

DEPARTMENT OF VERTEBRATE PALÆONTOLOGY.—In referring to this department, a portion of the report of its Curator, Prof. Henry F. Osborn, is incorporated, for the purpose of more clearly expressing the gratifying results achieved through the efforts of the force engaged in field work. The field parties consisted of Dr. J. L. Wortman, Dr. W. D. Matthew and Mr. W. W. Granger of the Museum; and Messrs. Brown and Menke of Kansas University. The Curator also spent a short time in field work.

“In the Department of Vertebrate Palæontology we have continued to devote the greatest care and study toward arousing the interest of the public in our exhibits. Two large charts have been made, showing clearly the succession of animals in the ascending series of rocks on this continent.

“Three years ago we first took the camera into the field, and began to secure a series of photographs of the sites where the different types of extinct animals are found. We have now taken advantage of the negatives, and are having them enlarged and carefully colored as window transparencies, thus conveying to the visitors a clear idea of the Bad Lands. From over two hundred negatives, we propose to fill all the windows in the Hall with scenes taken at or near the specimens exhibited.

"Aided by the generous gift of Mr. J. Pierpont Morgan, Mr. Charles Knight has continued his series of water-color drawings representing North American life, which have aroused very great interest abroad as well as in this country. These water-colors have also been reproduced in large bromide photographs, and distributed as exchanges to other museums.

"Complete series now hang in the British Museum, London, and have been sent to museums at Oxford, and the Royal Museum at Brussels. Altogether, 19 water colors have been completed.

"We have also begun to make a series of models of extinct animals, also the work of Mr. Knight, which are cast for our own Hall, as well as for the purposes of exchange.

"Attention is especially directed to the rapid progress in the mechanical methods (under the direction of Mr. Adam Hermann). Beginning with the low relief style shown in the photographs of the Three-toed Rhinoceros, which was mounted in 1893, we have finally attained the beautiful method shown in the Horned Rhinoceros, the most perfect example of its kind; the entire skeleton being supported by steel rods which pass through the centre of the bones, only the two main supports being visible.

"The mount of *Phenacodus* is also a model, as every bone can be removed for purposes of study, this being one of the rarest and most unique fossil skeletons in the world.

"In 1896 we reached a stage of development of our fossil Mammal Collection, which rendered it expedient to enter a new field.

"The total number of specimens collected and catalogued in the five years ending 1896 was 7,661, including nearly 40 complete skeletons. This, added to the 3,600 specimens in the Cope Collection, gave us a total of 10,961. This total has been reduced for the fine exchange collections sent to Munich and Paris, for which we have received 300 specimens from Munich and a beautiful series of casts from Paris, to be followed by collections of original skeleton material.

"In 1897 the Department had extraordinary success in the field as a result of four expeditions, filling 80 boxes, requiring nearly two freight cars for their transportation.

"Starting to open a quarry in Wyoming for the oldest type of mammals, the party made an unexpected discovery, first of one, then of two reptile skeletons of magnificent size, and in a remarkable state of preservation.

"Thus has been inaugurated the second great division of the work, namely, the history of the Reptiles in North America. Besides the Dinosaurs found in Wyoming, a good beginning was made in eastern Kansas in the search for flying reptiles and marine swimming reptiles, and for the Mammalian Collection was



EXCAVATION OF BACK-BONE OF GREAT DINOSAURIAN REPTILE IN SOUTHERN WYOMING.

secured a complete skeleton of the Three-toed Horse, adding another important step to the history of this family, and to its contemporaries, the Llamas, Sloths, etc."

The Department of Public Instruction has made a complete set of the negatives of the paintings of restorations in this department, referred to in the abstract of the Curator's report ; the photographic slides of these paintings will be distributed throughout the State for the benefit of the Normal Schools.

DEPARTMENT OF ANTHROPOLOGY.—This important department has made marked progress during the year, and the results serve to show the great possibilities future years hold for the development of its plans and collections, and the valuable aid which they may become in the advancement of science and public education.

The field to be covered in the illustration of the various phases of the life history of our race is too vast in extent to be dwelt upon at this time.

The large space assigned in the west wing for the collections of this department will add sufficient space for its immediate requirements, but the continuance of the various expeditions in the field will provide so much valuable and important material that the erection of additional structures cannot be deferred beyond the next few years.

Several of the collections received into the department during the year have a special value, inasmuch as they were obtained by collectors having the most important requirements of the Museum in view. Thorough work of this character has been done by Dr. Franz Boas, Messrs. M. H. Saville and Harlan I. Smith, assistants.

DEPARTMENT OF ENTOMOLOGY.—Accessions to this department have greatly increased during the past few years. The preparation of labels has been carried on steadily, and the new material numbered for identification as it arrived. This is a slow and tedious process, and while the work is advanced as rapidly as possible, it is estimated that fully one hundred thousand specimens still remain uncatalogued.

The formation of a local collection of insects, or of those found within a radius of fifty miles from this city, was commenced a few years since and is now nearly complete ; for the pupils of public and private schools, the collection will possess special interest and be a means of education in natural history study. Many of these species could be utilized in the preparation of insect groups, combined with natural accessories, after the manner used in the construction of groups of mammals and birds.

THE LIBRARY.—Late in the year the removal of the books to the new quarters provided in the west wing was completed, the stacks and shelves of which, constructed of iron, are planned in conformity with the most approved designs.

The windows afford ample light except on dark days, and for such occasions the alcoves have been furnished with stationary and portable electric lights. Stacks were built in double stories and are supplied with japanned racks, numbered.

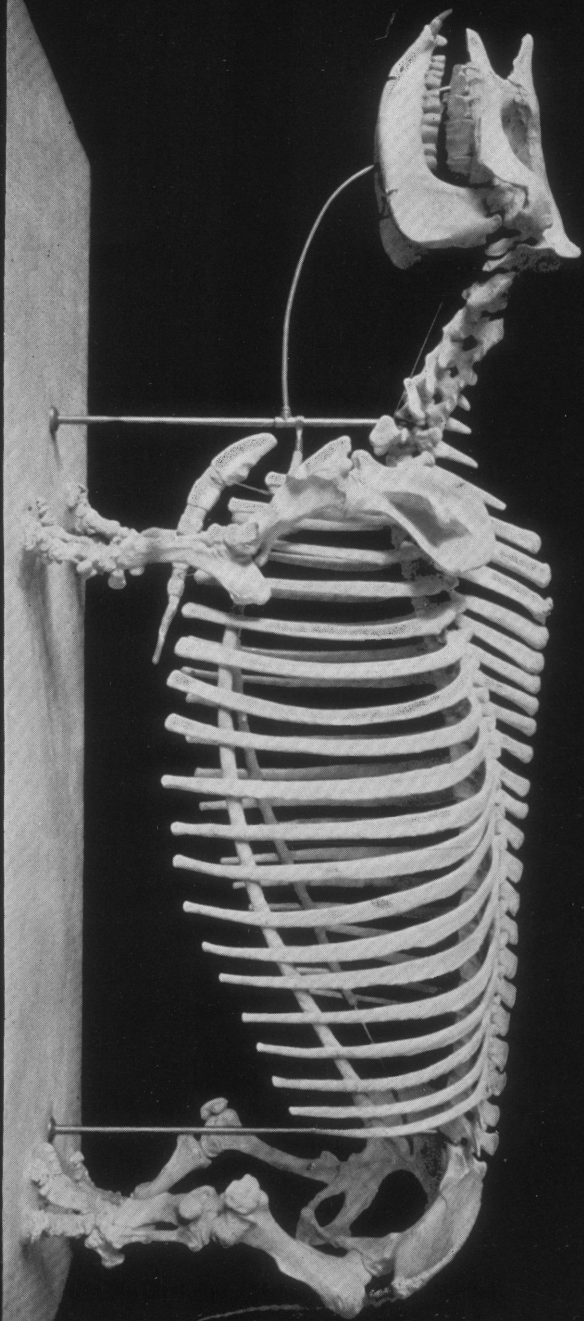
The books are classified in sections with reference to the various branches of natural history, also geographically. Scientific periodicals, domestic and foreign, are placed in the gallery racks. Room has been provided for the placement of fifty thousand volumes.

The accessions received this year exceed those of any preceding year in the history of the Museum. The librarian reports a gain of 3,350 volumes, 3,874 numbers and parts, and 367 pamphlets, making the total number of volumes at the close of the year, 35,852.

Although the Library now takes high rank among those pertaining to natural history, it is nevertheless deficient in several branches, and a special appropriation of five thousand dollars annually could be advantageously expended in adding publications desired by the several departments.

DEPARTMENT OF PUBLIC INSTRUCTION.—The growth of this department has continued, and its usefulness has widened.

Prof. Albert S. Bickmore, Curator of the department, planned to provide means for the teachers in the kindergarten and primary departments of our public schools, to teach their pupils by the



MOUNTED SKELETON OF UPPER MIOCENE RHINOCEROS.
Bones supported by concealed steel rods.

visual method, and delivered an illustrated lecture to a class of the youngest pupils in this city, and in Albany, in order to test the efficiency of the method of instructing those who enter the lowest grades of the public schools. Experimental trials were very encouraging, and their continuance through the teachers of the lower grade classes was approved by the State Superintendent of Public Instruction.

A series of seventy-five drawings of some of the birds of our country have just been completed, and slides colored from the specimens in our halls. These slides were exhibited by the Curator at the annual meeting of the American Ornithologists' Union, and at the meeting of the Audubon Society of the State of New York, held at the Museum during the autumn and winter. On one screen appeared the slide showing the specimen, and beside it were exhibited views of Central Park and other parts of our State in summer and in winter, so that the bird, its habitat, and the season of its presence, were shown at the same time. The courses of lectures delivered by the Curator during 1897 to the teachers of the public schools were in accordance with the series of subjects approved by the Honorable Charles R. Skinner, State Superintendent of Public Instruction.

The free lectures given to our citizens under the joint auspices of the Board of Education and this Institution have been maintained with undiminished success under the direction of Dr. Henry M. Leipziger, Supervisor of Lectures. That their popularity has largely increased is evinced by the numbers unable to gain admission to the hall on Tuesday evenings. The lectures given under the auspices of the Linnæan Society; the New York Botanical Garden; the Audubon Society; the New York Entomological Society, and the receptions of the New York Academy of Sciences and the New York Microscopical Society have necessitated the opening of the Museum one extra evening each week. The Trustees have devoted Tuesday evenings for the Board of Education Series, and Saturday evenings for the lectures given by the Professors of Columbia University; these courses extend from October to May inclusive. Tickets to these lectures are always sent to members of the Museum.

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|------|--|----------------------------|
| Mar. | 6.—Studies among the Lower Fungi..... | Prof. Lucien M. Underwood. |
| " | 13.—Edible and Poisonous Mushrooms..... | Prof. Smith Ely Jelliffe. |
| " | 20.—The Haunts and Habits of Ferns | Prof. Lucien M. Underwood. |
| " | 27.—Medicinal Plants..... | Prof. Smith Ely Jelliffe. |
| Dec. | 4.—The Formation and Structure of Volcanic
Rocks or Lavas..... | } Prof. James F. Kemp. |
| " | 11.—The Formation and Structure of Granites
and Marbles, and similar Rocks .. . | |
| " | 18.—The Rocks and Minerals of Greater New
York and vicinity..... | |

NEW YORK BOTANICAL GARDEN LECTURES, 1897.

A Study of the Economic Features of the Lower Orinoco Region.

Henry M. Rusby, M.D.

LINNÆAN SOCIETY LECTURES, 1897.

- Jan. 14.—Four Months in the Sierra Madre of Mexico.. Prof. William Libby.
Feb. 13.—A Little Journey in YucatanMr. Frank M. Chapman.
Mar. 11.—Life in the Nacimiento Desert of New Mexico..Dr. J. L. Wortman.

Dec. 2.—Public Meeting of the Audubon Society of the State of New York.

BOARD OF EDUCATION LECTURES, 1897.

- | | | |
|------|------------------------------------|------------------------------------|
| Jan. | 5.—Giant Sun and His Family | Miss Mary Proctor. |
| " | 12.—Spain, the Land and the People | Prof. Charles Sprague Smith. |
| " | 19.—The "X" Rays | Mr. W. J. Clarke. |
| " | 26.—Burns and Scotland | Mr. Chas. H. Govan. |
| Feb. | 2.—The Science of the Weather | Mr. E. B. Dunn. |
| " | 9.—Norway | Miss R. Boyesen. |
| " | 16.—Westminster Abbey | Miss Lucy R. Bliss. |
| " | 23.—Holland | Mr. W. E. Griffis. |
| Mar. | 2.—Switzerland | Prof. H. E. Northrup. |
| " | 9.—Japan | Mr. A. C. Maclay. |
| " | 16.—Persia | Mr. W. R. Stocking. |
| " | 23.—Our Old Navy, No. 1 | } Mr. Henry W. Raymond. |
| " | 30.—Our New Navy, No. 2 | |
| Oct. | 19.—Athens, Ancient and Modern | Dr. Clarence H. Young. |
| " | 26.—Constantinople | Mr. W. R. Stocking. |
| Nov. | 2.—Cruising in the Mediterranean | Mrs. M. L. Selden. |
| " | 9.—Cities by the Blue Danube | Mr. John B. Devins. |
| " | 16.—Russia | Mr. Paul Sturtevant Howe. |
| " | 23.—Life in Jerusalem | Mr. Peter von Filkenstein Mamreoy. |
| " | 30.—Egypt | Mr. W. Jay Peck. |
| Dec. | 7.—India | Mr. J. B. Hamilton. |
| " | 14.—New Zealand | Mr. Sidney Dickinson. |

NEW YORK ENTOMOLOGICAL SOCIETY LECTURES, 1897.

- Apr. 10.—Protective Coloring and Mimicry of Animals, with Special
Reference to Insects.....Prof. Lyman A. Best.
“ 24.—The Study of Insects: Their Structure and Formation.
Dr. E. G. Love.

RECEPTIONS.—April 13th, New York Microscopical Society; April 5th and 6th, New York Academy of Sciences. Nov. 9th, 10th, 11th, The Fifteenth Annual Congress of the Ornithologists' Union.

PUBLICATIONS.—Volume IX of the Bulletin was issued during the year, forming a volume of about 400 pages, with 38 plates and nearly 150 text figures. The 24 articles arranged by departments, are as follows :

DEPARTMENT OF INVERTEBRATE PALÆONTOLOGY.

Note on the Hypostome of *Lichas (Terataspis) grandis* Hall. By R. P. Whitfield (pp. 45, 46, with 3 text figures).

Descriptions of New Species of Silurian Fossils from near Fort Cassin and elsewhere on Lake Champlain. By R. P. Whitfield (pl. IV and V, pp. 177-184).

Descriptions of Rudistæ from the Cretaceous Rocks of Jamaica, W. I., collected and presented by Mr. F. C. Nicholas. By R. P. Whitfield (pll. VI-XXII, pp. 185-196).

Observations on the Genus *Barrettia* Woodward, with Descriptions of two New Species. By R. P. Whitfield (pll. XXVII-XXXVIII, pp. 233-246, with two full page text cuts).

DEPARTMENT OF VERTEBRATE ZOÖLOGY.

On Mammals from Yucatan, with Descriptions of New Species. By J. A. Allen and Frank M. Chapman (pp. 1-13).

On a Second Collection of Mammals from the Island of Trinidad, with Descriptions of New Species, and a note on some Mammals from the Island of Dominica, W. I. By J. A. Allen and Frank M. Chapman (pp. 13-30).

Additional Notes on Costa Rican Mammals, with Descriptions of New Species. By J. A. Allen (pl. I, pp. 31-44).

Further Notes on Mammals collected in Mexico by Dr. Audley C. Buller. By J. A. Allen (pp. 47-58).

Preliminary Description of a New Mountain Sheep from the British Northwest Territory. By J. A. Allen (pll. II and III, pp. 111-114).

On a small Collection of Mammals from Peru, with Descriptions of New Species. By J. A. Allen (pp. 115-120).

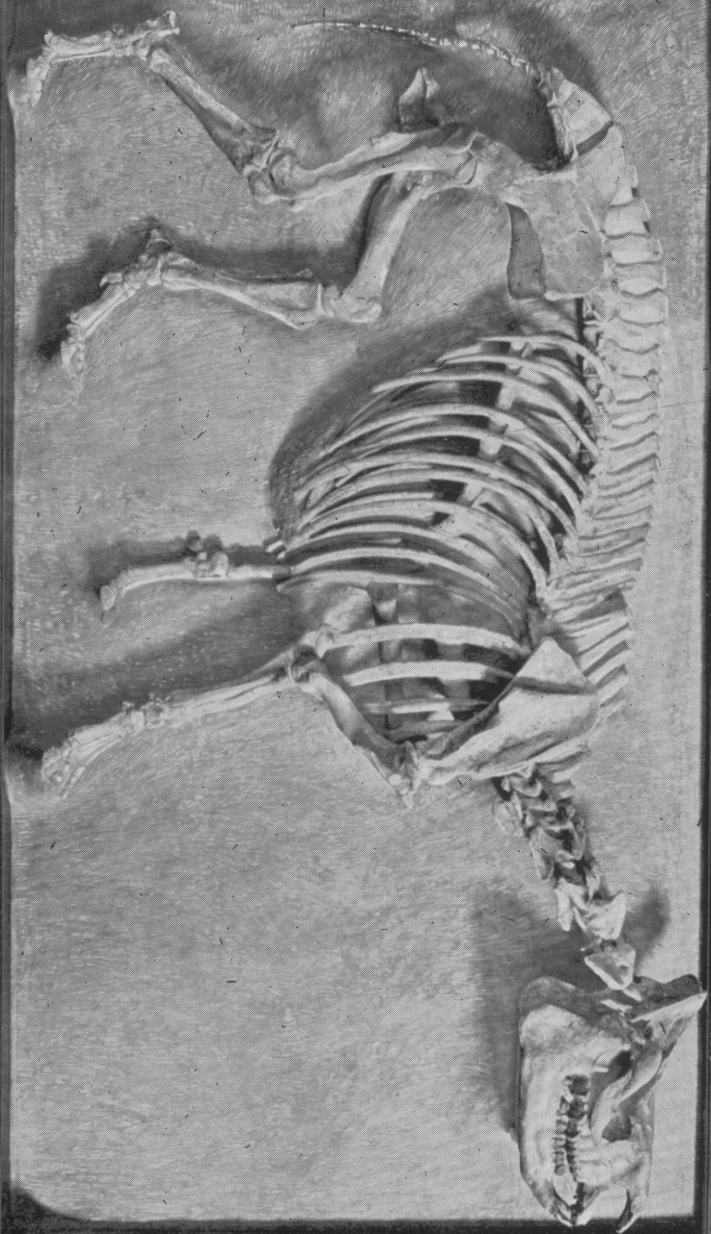
Descriptions of a New Species of *Sigmodon*, from Bogota, Colombia. By J. A. Allen (pp. 121, 122).

On a Collection of Mammals from Jalapa and Las Vigas, State of Vera Cruz, Mexico. By J. A. Allen and Frank M. Chapman (pp. 197-208).

Hybrids between the Game Cock and the Guinea Fowl. By Juan Vilaró, M.D. (pll. XXV and XXVI, pp. 225-230).

Description of a New Vespertilionine Bat from Yucatan. By J. A. Allen (pp. 231-232).

Notes upon New York Fishes received at the New York Aquarium, 1895-1897. By Tarleton H. Bean (pp. 327-375).



RELIEF MOUNT OF FOSSIL RHINOCEROS, GIVING EFFECT OF EXCAVATION FROM THE ROCK.

DEPARTMENT OF VERTEBRATE PALÆONTOLOGY.

The Ganodonta and their Relationship to the Edentata. By J. L. Wortman, M. D. (pp. 59-110, with 36 text figures).

The Huerfano Lake Basin, Southern Colorado, and its Wind River and Bridger Fauna. By Henry Fairfield Osborn (pp. 247-258).

A Revision of the Puerco Fauna. By W. D. Matthew (pp. 259-324, with 20 text figures.)

DEPARTMENT OF ANTHROPOLOGY.

The Decorative Art of the Indians of the North Pacific Coast. By Franz Boas (pp. 123-176, with 81 text figures).

An Ancient Figure of Terra Cotta from the Valley of Mexico. By H. M. Saville (pl. XXIII and XXIV, pp. 221-224, and 1 text figure).

DEPARTMENT OF ENTOMOLOGY.

Notes on Some Species of North American Moths. By William Beutenmüller (pp. 209-212).

Notes on North American Sesiidæ, with Descriptions of New Species (pp. 213-216).

Food Habits of North American Sesiidæ. By William Beutenmüller (pp. 217-220).

Three New Species of Heterocerca from Sierra Leon, Africa. By W. Schaus (pp. 325-327).

Part III of Volume I of the Memoirs is in press, and will be shortly issued, consisting of 9 plates and about 70 pages, by Professor Osborn, forming Part I of his monograph, 'The Extinct Rhinoceroses.'

Eighteen plates have been printed for a memoir by Mr. M. H. Saville on the 'Codex Legislatif,' and several plates have been prepared for a forthcoming monograph of the Clear-winged Moths (Sesiidæ), by Mr. Wm. Beutenmüller.

A number of papers planned for publication in 1897 have been necessarily deferred for various reasons, but mainly for lack of money. Hence there remains in the hands of the Publication Committee five papers ready for immediate publication in the Bulletin. It is desirable, therefore, that the appropriation for this branch of the Museum's work shall be largely increased for the coming year.

EXCHANGES OF DUPLICATE MATERIAL.—Exchanges of material have been made and are in process between this Institution and several of the museums at home and abroad, which will add many new and desirable objects to the Department of Anthropology, Vertebrate Zoölogy, and Vertebrate Palæontology.

MEMBERSHIP.—Miss Laura P. Halsted and the Very Reverend Eugene A. Hoffman, D.D., were each elected a "Fellow," and Messrs. James C. Baldwin, John J. Corning, George Iles, Morris M. Green and Mrs. Sally Morris Cory were made "Life Members."

The following members have died during the year: Howard Potter and Charles W. Cass, "Fellows," and Henry M. Taber, E. Oelbermann, George Kemp, Charles H. Contoit, Charles Moran, Charles Addison Miller, James Fraser and Mrs. James C. Ayer, "Life Members."

It is a sad duty to record the decease of our late friend and associate Trustee, Mr. Theodore A. Havemeyer, which occurred April 26, after a brief illness. Mr. Havemeyer always showed great interest and zeal in promoting the growth of the Museum, and the loss of his services and counsel will be deeply felt.

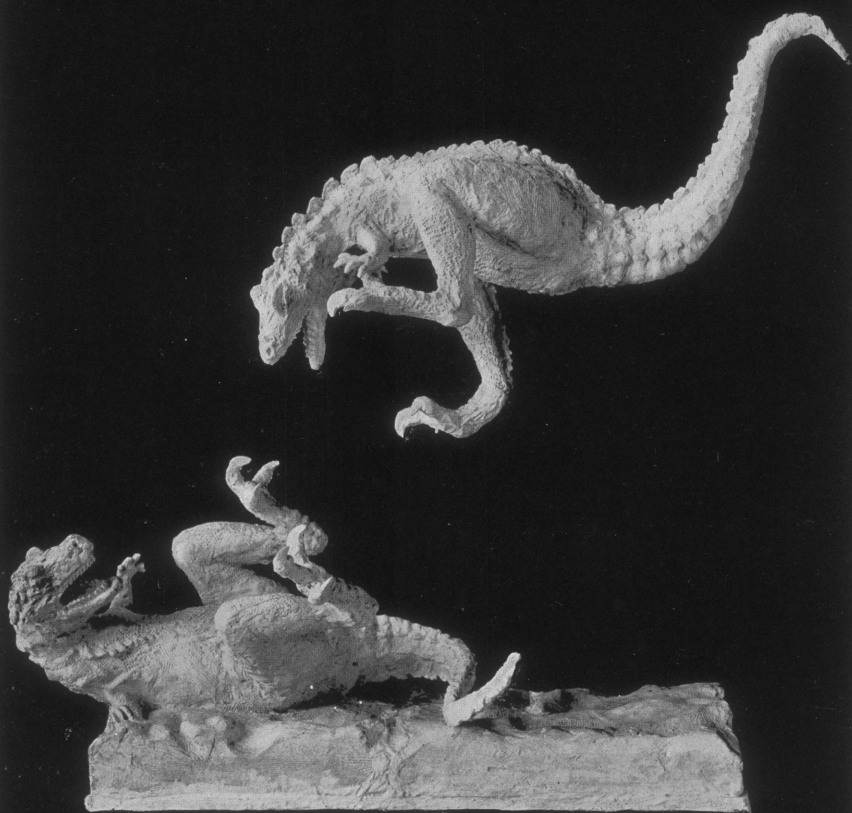
Each year discloses an increase in the applications for permits to make drawings and studies of the specimens. Requests are also frequently made to permit photographs to be taken of objects to be used in the illustration of articles for the daily press and magazines.

It is the aim and desire of the Trustees to encourage the scientist, the student and the public to avail themselves of the collections and the library for the study of natural history. To this end the Library is always open to visitors desiring to consult its volumes, and the curators extend a welcome to persons in search of technical information regarding the determination of specimens. The growth of public interest in this direction becomes more marked year by year; teachers bring entire classes of pupils to extend their study by the examination of the objects.

The growth of the collections has surpassed the progress made during 1896, and the year to come promises a still greater advance.

The yearly income from the invested funds of the Museum amounts to less than nineteen thousand dollars per annum, a sum far too small to rely upon for the increase of the collections. This income is supplemented by the receipts from members, and friends who subscribe for special work in the field and for

DEPARTMENT OF VERTEBRATE PALÆONTOLOGY.



No. 3. Megalosaurus (Laelaps, Dryptosaurus)
aquilunguis (Cope).

the purchase of collections. The Trustees are also called upon for subscriptions to meet the annually recurring deficit in the receipts. The essential requirement is a largely increased endowment fund. Noting the ever-increasing interest in the Institution, I have strong hopes that the not distant future holds a promise of success in this direction. It is not a question of the merits of the Museum, its value as a factor in the instruction and recreation of the public and the advancement of popular education being cheerfully conceded by all classes of our citizens. Our hearty thanks are due to the annual subscribers and our friends who have been added to the roll of Patrons, Fellows and Life Members, through gifts of money or collections. I trust that the progress of the Museum will always enlist their interest and aid.

I embrace this occasion to record my testimony of the good will, uniform kindness and hearty coöperation which the Institution has received at the hands of the municipal authorities.

In closing this brief report it is a pleasure to acknowledge the zeal and earnest attention manifested by the members of the scientific and administrative staff of the Museum.

MORRIS K. JESUP,

President.

THE AMERICAN MUSEUM OF NATURAL HISTORY

MAINTENANCE.

RECEIPTS.

Jan. 1, 1897. Transferred from Endowment Account to balance deficit in Maintenance Account.	\$ 3,406 23
Department of Public Parks.	94,998 18
Special Loan.	12,000 00
Consolidated Gas Co. (refund).	40 26
Transferred from Endowment Account to balance deficit in Maintenance Account, Dec. 31, 1897.	1,510 01

\$111,954 68

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

Correct.—JOS. W. EDWARDS, *Auditor, Feb. 11, 1898.*

in account with CHARLES LANIER, TREASURER.

MAINTENANCE.

DISBURSEMENTS.

Jan. 1, 1897. Debit balance from 1896	\$ 3,406 23
Expressage.....	593 04
Salaries	42,043 40
Labor	32,389 07
Printing	24 35
General Expenses.....	2,638 73
Postage.....	325 57
Repairs....	2,098 29
Coal.....	4,296 93
Supplies.....	3,493 70
Labels.....	1,196 94
Stationery.....	730 10
Fixtures.....	4,367 77
Interest on "Dr." balances.....	244 89
Poison	989 84
Traveling Expenses.....	25 50
Annual Report.....	903 23
Special Loan and Interest.....	12,187 10

\$111,954 68

CHARLES LANIER, *Treasurer.*

[E. & O. E.]

NEW YORK, Dec. 31, 1897.

THE AMERICAN MUSEUM OF NATURAL HISTORY

ENDOWMENT.

RECEIPTS.

To Interest on Invested Funds	\$18,600 00	
Trustees' Subscriptions :		
Wm. C. Whitney	\$2,000 00	
Elbridge T. Gerry	2,000 00	
Jos. H. Choate	1,000 00	
D. Willis James	2,000 00	
James M. Constable.....	2,000 00	
Theodore A. Havemeyer.....	2,000 00	
Anson W. Hard.....	500 00	
Archibald Rogers	500 00	
William E. Dodge.....	2,000 00	
Oswald Ottendorfer	1,000 00	
Morris K. Jesup.....	2,000 00	
J. Pierpont Morgan.....	2,000 00	
Charles Lanier.....	1,000 00	
C. Vanderbilt.....	2,000 00	
Adrian Iselin	1,000 00	
William Rockefeller	1,000 00	
D. O. Mills.....	1,000 00	
Abram S. Hewitt	500 00	
Cash.....	250 00	25,750 00
Annual Members		6,680 00
Life Members :		
James C. Baldwin.....	\$100 00	
John J. Corning	100 00	
George Iles.....	100 00	300 00
M. K. Jesup—Mountain Sheep Group		200 00
J. M. Constable—"		200 00
Admission Fees.....		1,116 75
Henry F. Osborn		2,000 00
Vertebrate Palæontology—Sale of Casts.....		48 25
State Superintendent of Public Instruction.....		12,000 00
B. T. B. & F. E. Hyde, Jr		800 00
Very Rev. E. A. Hoffman, D.D.....		508 30
Joseph F. Loubat.....		1,250 00
Guides		61 50
Collecting Permits.....		34 00
		69,548 80
		<u>\$69,548 80</u>

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

Correct.—JOS. W. EDWARDS, Auditor, Feb. 11, 1898.

ENDOWMENT.

DISBURSEMENTS.

By Balance from 1896	\$7,258	10	
Minerals	251	15	
Ornithology.....	81	52	
Bulletin.....	2,725	31	
Emmons' Second Alaskan Collection.....	5,668	10	
Mammals	566	13	
Kunz Jade Collection.....	600	00	
Anthropology.....	3,338	26	
Library.....	1,044	78	
Mammal Groups	406	10	
Appleton Sturgis—Pacific Islands Collection.....	3,854	38	
Skeletons.....	318	08	
General Expenses	607	37	
Lumholtz Expedition, Mexico	1,882	28	
Bird Groups.....	33	00	
Geology	568	71	
Postage.....	45	36	
Traveling Expenses.....	485	50	
Conchology.....	34	12	
Peruvian Expedition.....	4,223	53	
Stationery.....	128	75	
Edwards' Entomological Collection.....	600	00	
Entomology.....	648	57	
Spang Collection, Minerals	150	00	
Haines Collection, Shells	1,000	00	
Edward D. Cope Collection.....	8,086	81	
Vertebrate Palæontology.....	3,906	31	
Department of Public Instruction	9,580	40	
Economic Collection.....	97	50	
Invertebrate Zoölogy.....	105	90	
Ethnic Groups.....	158	23	
Niven Mexican Collection	500	00	
Mexican Expedition	2,474	50	
Printing.....	11	75	
Transferred to Maintenance Account to balance deficit Jan. 1, 1897.....	3,406	23	
Transferred to Maintenance Account to balance deficit Dec. 31, 1897.....	1,510	01	
Surplus Cash on hand.....	3,192	06	\$69,548 80
			<u>\$69,548 80</u>

CHARLES LANIER, *Treasurer.*

[E. & O. E.]

NEW YORK, *Dec. 31, 1897*

CHAPTER 213.

AN ACT to provide for enlarging the building situated in Central Park, in the City of New York, and occupied by the American Museum of Natural History, for the purpose of furnishing proper facilities for increased exhibition and public instruction.

Accepted by the city.

Became a law April 7, 1897, with the approval of the Governor. Passed, three-fifths being present.

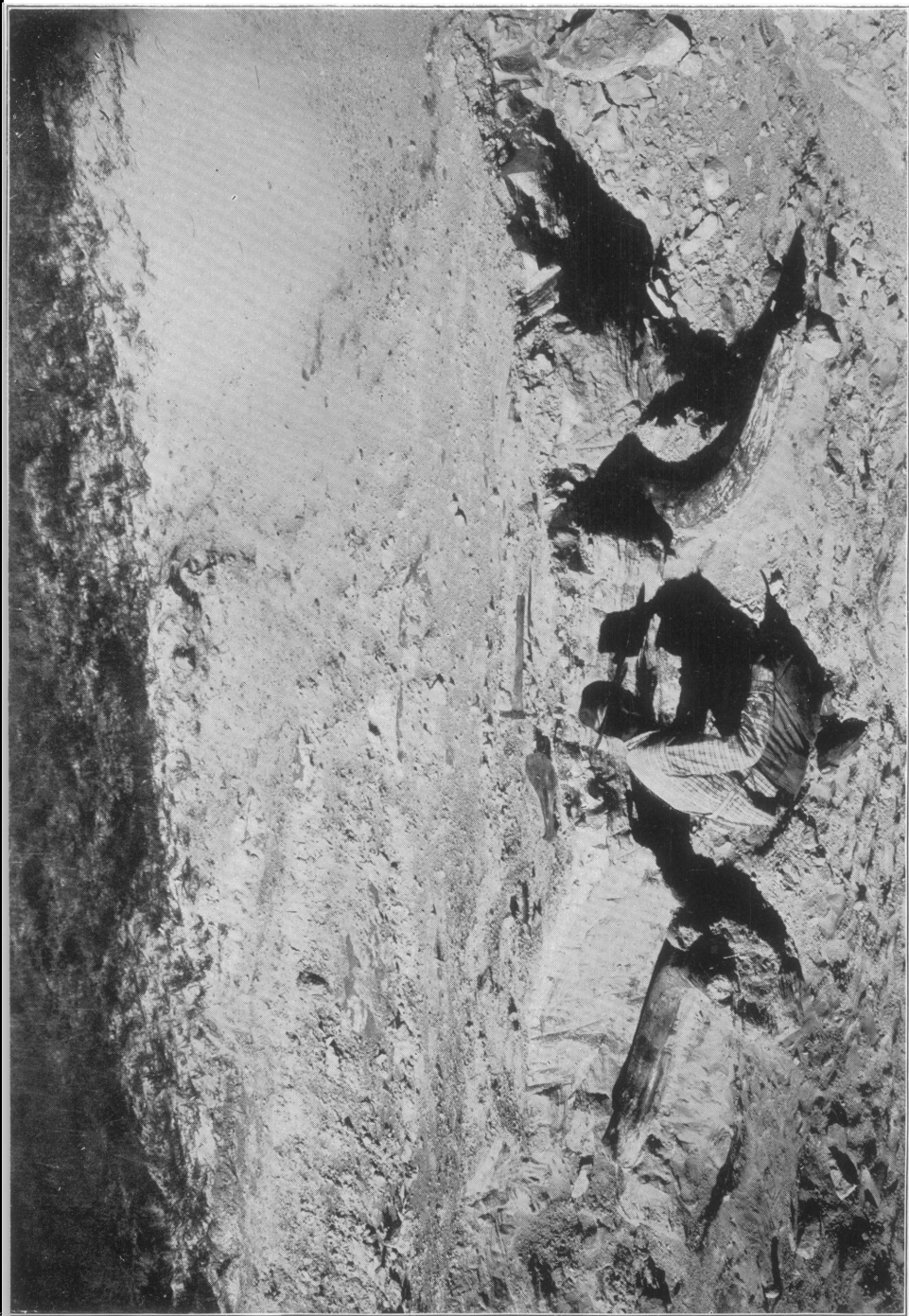
The People of the State of New York, represented in Senate and Assembly, do enact as follows :

SECTION 1. The department of public parks in the city of New York, with the concurrence of the board of estimate and apportionment, is hereby authorized to erect and equip additions to the building situated in that part of Central Park formerly known as Manhattan square, and which is now in the possession and occupation of the American Museum of Natural History, under and in accordance with the contract made in pursuance of chapter one hundred and thirty-nine of the laws of eighteen hundred and seventy-six, chapter two hundred and seventy of the laws of eighteen hundred and ninety-two, chapter thirty-one of the laws of eighteen hundred and ninety-three, and chapter one hundred and seventy-five of the laws of eighteen hundred and ninety-six. Such additions shall be so constructed as to provide for the suitable display of the specimens of the museum, and may also include a lecture hall. The trustees of said museum shall select the architects to prepare, under their direction, the plans, and to superintend, under the direction of the department of public parks, the construction of said additions. Said plans, when completed, shall be submitted by said trustees to the said department for its approval, and may include any additions to or alterations of the present building made necessary by the aforesaid enlargements, and such additions, alterations, improvements and repairs to it as the said department and the trustees of said museum may agree are proper and necessary. The said department shall provide for the compensation of the architects out of the fund hereby provided for the erection of said additions. Said equipment shall include all the cases and fittings and other apparatus required for the preparation, exhibition and preservation of the specimens, books and other property of the museum.

§ 2. For the purpose of providing means for carrying into effect the provisions of this act, it shall be the duty of the comptroller, upon being thereunto authorized by the board of estimate and apportionment, to issue and sell, but at not less than their par value, bonds or stocks of the mayor, aldermen and commonalty of the city of New York, in the manner now provided by law, payable from taxation, but not exceeding in the aggregate the sum of five hundred thousand dollars, bearing interest at a rate not exceeding four per centum per annum, and redeemable within a period of time not exceeding thirty years from the date of their issue.

§ 3. All acts and parts of acts inconsistent with the provisions of this act are hereby repealed.

§ 4. This act shall take effect immediately.



EXCAVATION OF FOSSIL HORSES AND ELEPHANTS IN NORTHWESTERN NEBRASKA.

LIST OF ACCESSIONS, 1897.

DONATIONS.

LIBRARY.

- S. P. AVERY, New York City.
Johannes Goedartius de Insectes, etc. By M. Lister. 1685.
Natural History of the Insects mentioned in Shakespeare's Plays. By Robert Patterson. 1842.
Shakespeare Flora. By Leo. H. Grindon. 1883.
Bibliographia Zoologiæ et Geologiæ. 4 Vols. 1848-1854.
Bibliothèque Physique De La France, etc. By ML-A-P. Hérissant. 1771.
- O. BANGS (the author), Boston, Mass.
Some New Mammals from Indian Territory and Missouri. 1896.
The Skunks of the Genus *Mephitis* of Eastern N. A. 1896.
A Review of the Squirrels of Eastern N. A. 1896.
A New White-footed Mouse from British Columbia. 1897.
On a Small Collection of Mammals from Hamilton Inlet, Labrador. 1897.
Preliminary Description of the Newfoundland Marten. 1897.
Preliminary Description of a New Race of the Eastern Vole from Nova Scotia. 1897.
Preliminary Description of a New Vole from Labrador. 1896.
- PROF. A. S. BICKMORE, New York City.
Third Annual Report of New York Department of Agriculture. 3 Vols. 1896.
- DR. J. C. BRANNER (the author), Stanford University, Cal.
The Phosphate Deposits of Arkansas. 1896.
The Red River and Clinton Monoclines, Arkansas. 1897.
The Former Extension of the Appalachians across Mississippi, Louisiana and Texas. 1897.
- FREDERICK E. CHURCH, Hudson, N. Y.
The Necropolis of Ancon in Peru. Parts I-XIV. By W. Reiss and A. Stübel.
Nombres Geográficos De Mexico. Catálogo Alfabético de los nombres, etc. By Antonio Peñafiel. 1885.
- F. H. CUSHING (the author).
A Preliminary Report upon the exploration of Ancient Key-Dweller Remains on the Gulf Coast of Florida. 1897.
Discussion and Remarks on Shamanism. 1897.
The need of studying the Indian in order to teach him. 1897.
- MRS. R. P. DANA, New York City.
Two large Folios, Illustrated Scrap Books.

- S. D. DILL, New York City.
 Hardwood. Vol. X, No. 119; XI, XII, Nos. 133, 134. 1897.
 Chicago Hardwood Record. Vol. IV, Nos. 12, 13; V, Nos. 1-4. 1897.
 The Timber Pines of Southern U. S. By Chas. Mohr, Ph.D. 1896.
 Division of Forestry U. S. Circular No. 17. 1897.
- DANIEL DRAPER, Ph.D., Director New York Meteorological Observatory.
 Self-Recording Readings. Jan.-Oct. 1897.
- S. F. EMMONS (the author), Washington, D. C.
 Presidential Address, etc. 1896.
- DUKE OF LOUBAT, New York City.
 Historia Antigua y de la Conquista. By D. A. Chavero. Tome I.
 Manuscrit Troano. Etudes sur le système Graphique et langue de
 Mayas. By M. B. De Bourbourg. Tomes I, II. 1869.
 Relation des Choses De Yucatan De Diego De Landa. By L'Abbé
 B. de Bourbourg. 1864.
 Palenqué et autres ruines de l'ancienne civilization du Mexique. By
 M. L'Abbé B. de Bourbourg. 1866.
 Codex Peresianus. Manuscrit Hiératique des anciens Indiens de
 l'Amerique Centrale. By L. De Rosny. 1887.
 Essai sur le Déchiffrement de L'Ecriture Hiératique de L'Amerique
 Centrale. By L. De Rosny. 1876.
 The Sculptures of Santa Lucia Coxumalwhuapa in Guatemala. By S.
 M. D. Habel. 1878.
 Códice Maya denominado Cortesiano, etc. By D. Je López, etc.
 1892.
 Altmexikanische Studien. By Dr. Ed. Seler. 1890.
 Peruanische Alterthümer, etc. By Dr. Ed. Seler.
 Códice Fernández Leal. By Dr. Antonio Peñafiel. 1895.
 Mémoires sur la Peinture Didactique et L'Ecriture Figurative des
 Anciens Mexicains. By A. Aubin. 1885.
 Die Maya-Handschrift der Königl. Öffentl. Bib., zu Dresden. By
 Prof. E. Förstemann. 3d Sér., 1892. Tome I.
 Archives de la Société Américaine De France. 1st Ser. Tomes I,
 pt. 1; II-IV, 1857-1864; 2nd Ser., I-V, 1875-1887; 3rd Ser.
 Tome I.
 Annuaire. Tomes III, IV. 1875-1889.
 Annuaire du Comité D'Archéologie Américaine. 1863-'65, 1866-'67.
 Christophe Colomb. By Le Comte R. De Lorgues. 1892.
 History of the Expedition under Captains Lewis and Clark to sources
 of Mississippi, etc. By Paul Allen. 1814.
 Pekin, Yeddo, San Francisco. By Le Comte De Beauvoir. 6th Edit.
 1872.
 Java, Siam, Canton. By Le Comte De Beauvoir. 8th Edit. 1873.
 Australia. By Le Comte De Beauvoir. 8th Edit. 1874.
 Promenade dans L'Inde et a Ceylon. By E. Cotteau. 1880.
 En Océanie Voyage Autour du Monde en 365 Jours. 1884-1885,
 By E. Cotteau. 1888.
 Un Touriste dans L'Extreme Orient, Japon, etc., 1881-1882. 2d Edit.
 By E. Cotteau. 1885.
 Le Mexique. By Gaston Routier. 1891.
 L'histoire du Mexique. By Gaston Routier. 1895.
 Das Nördliche Mittel-Amerika. By Dr. Carl Sapper. 1897.
 Internationales Archives für Ethnographie. Bände IX, Hefte 1, v; X.
 1, II, III. 1896.
 Ethnographische Musea in Midden-Europa. 1896.
 Nicaraguan Antiquities. By Carl Bovallius. 1886.

- DUKE OF LOUBAT, New York City.—*Continued.*
 Algunos Puntos y Objetos Monumentales Antiguos del Estado De Guanajuato. By Pedro Gonzales. 1895.
 Fragments d'une Histoire des Études Chinoises au XVIII^e Siècle. By Henri Cordier. 1895.
 Civilizacion de algunas de las diferentes tribus que hábitaron el territorio Hoy Mexicano en la Antigüedad. By Leopoldo Batres. 1888.
 Voyages du Sr. A. De La Motraye en Europe, etc. 3 Vols. 1727.
 Documents pour servir a L'Histoire du Mexique et Atlas. By Eugène Boban. 2 Vols. 1891.
 Les Galets Coloziés du Mas d'Azil. By Ed. Piëtte.
 Illustrations of Manners, etc., N. A. Indians. By Geo. Catlin. 7th Edit. 2 Vols. 1848.
 Histoire Naturelle de Lacépède. New Edition. 2 Vols. 1847.
 Œuvres Complètes De Buffon. Tomes I-VI. 1844-1848.
 L'Anthropologie. Vols. I-VII, VIII, 1-4. 1890-1897.
 Historia del Descubrimiento de América. By Emilio Castelar. 1892.
 The New American Cyclopædia. 24 Vols. 1869-1870.
 Galerie Américaine du Musée D'Ethnographie du Trocadéro 1^{re} Part. By Le Dr. E. T. Hamy. 1897.
 Le Muséum D'Histoire Naturelle (1794). By Le Dr. E. T. Hamy.
- H. C. MERCER (the author), Bucks Co., Pa.
 The Discovery of Aboriginal Remains, etc. 1897.
 An Exploration of Aboriginal Shell Heaps, etc. 1897.
 An Exploration of Durham Cave in 1893. 1897.
 Notes on the Palmer as a reefing district. 1897.
 The Genera of N. A. Melanopli. By Sam H. Scudder. 1897.
 A new Investigation of Man's Antiquity at Trenton. By Arthur Hollick. 1897.
- J. H. MILLER (the author), Mexico, Ind.
 The American Polled Durham Herd Book, etc. 1894.
- HON. LEVI P. MORTON, New York City.
 Eleventh Census U. S., 1895. Report on Insane, etc., in U. S.
 " " " " Part II. Vital Statistics. 1895.
 " " " " II. Population. 1897.
 " " " " IV. Statistics of Death. 1896.
- MANDEVILLE MOWER, New York City.
 Club Life. 1897.
 Thirty-third Annual Statement of National Bank of Commerce in N. Y. 1897.
 Mower Genealogy. 1690-1897.
- LIEUT. G. T. EMMONS, Princeton, N. J.
 The Origin and Meaning of the Totem Poles in S. E. Alaska. By F. E. Froese. 1897.
- HON. R. P. FLOWER, New York City.
 War of the Rebellion. Series I, Vols. XLIX, Parts I, II; L, Parts I, II; LI, Part I; Series II, Vol. I. 1897.
- LEWIS W. GUNCKEL (the author), Dayton, Ohio.
 The Direction in which Mayan Inscriptions should be read. 1897.
 The Study of American Hieroglyphs. 1897.
- JOHN P. HAINES, New York City.
 Our Animal Friends. Vols. XXI-XXIV. 1893-1897.

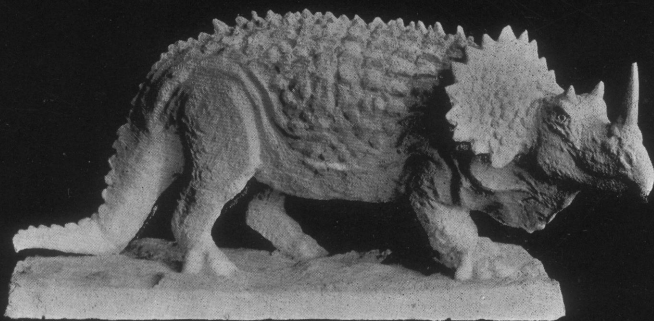
- WM. F. HAVEMEYER, and a number of other Gentlemen, New York City.
Oil Painting of English Arctic Expedition in search of Sir John Franklin. Nipped in the Ice with the English and American Whalers. Painted by William Bradford.
- MISS LAURA P. HALSTED, in Memory of Robert Halsted.
The White Mountains, 3rd Edit., Revised and Enlarged. 1880.
Manual of Mythology. By Alex. S. Murray. 1887.
Appleton's General Guide to U. S. and Canada. 1887.
Handy Reference Atlas of the World. By John Bartholomew. 1888.
The Historical Reference Book. By Louis Heilprin. 1892.
The Puritan in Holland and America. By Douglas Campbell. Vols. I, II. 1892.
An Englishman in Paris. Vols. I, II. 6th Edition.
Abraham Lincoln. By Wm. H. Herndon and J. W. Weik. Vols. I, II. 1892.
The Life and Letters of Washington Allston. By Jared B. Flagg. 1892.
The Book; its Printers, etc. By Henri Bouchot. 1890.
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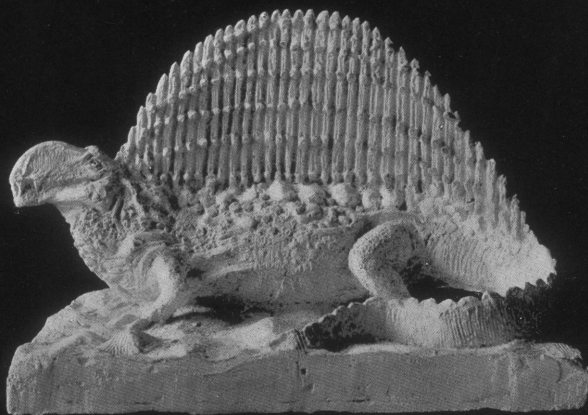
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DEPARTMENT OF GEOLOGY, MINERALOGY, CON-
CHOLOGY AND MARINE INVERTE-
BRATE ZOÖLOGY.

GEOLOGY.

- PROF. C. E. BEECHER, New Haven, Conn.
2 Models of *Triarthrus Becki*.
- W. E. CRANE, Tarrytown, N. Y.
155 Species of fossils, nearly all European, many new to the collection.
- WALTER HIRSCH, New York.
1 Specimen of *Orthonota undulata*, very fine.

- J. P. KIMBALL, Century Co., New York.
 2 Valves of *Schizothaerus Nuttalli*, Con., from Puget Sound.
 4 " " *Saxidomus aratus*, Gould.
 3 " " *Tapes*, sp. ?.
- J. C. MCCOY, 201 West 78th St., N. Y.
 About 100 specimens of Lower Green Marl fossils of the Cretaceous, from Delaware.
- CHARLES E. MONROE, Milwaukee, Wis.
 About 25 specimens of fossils of the Hamilton Shale, from the tunnel under the lake at Milwaukee, Wis.
- REV. S. PARSONS, Paterson, N. J.
 2 Specimens of hypostoma of a Trilobite, *Pteraspis grandis*, from Schoharie grit, loose at Paterson, N. J., figured in Bulletin.
 Also fragments of Pygidium of *Pteraspis grandis*, from Schoharie grit boulder at Paterson, N. J.
 1 Specimen of *Orthoceras stylus* and one specimen of *Philipsastrea Verneuli*, E. & H., Schoharie grit, found loose at Paterson, N. J.
 2 Blocks of *Orthis testudinaria*, found loose at Paterson, N. J.
- CAPT. A. W. VODGES.
 8 Fossils from Trenton Limestone near Toronto, Canada.

MINERALOGY.

- COPPER QUEEN CONSOLIDATED MINING CO., Bisbee, Ariz.
 Several Stalactites of various forms, and one specimen of polished Stalagmite.
- PROF. JAMES DOUGLASS.
 5 enlarged views of the Copper Queen Mine at Bisbee, Ariz., showing Stalactites, &c., on roof of cave.
- J. F. ELDER.
 42 Geodes from Northwest Missouri.
- J. H. HUNTLEY, Visalia, Cal.
 A triangular piece of Chrysoprase from near Visalia, Cal.
- FRANK KESSLER.
 4 Fragments of California Onyx with polished surfaces.
- R. D. LACOE, Pittston, Pa.
 A nearly entire Aërolite from fall of 12th of Feb., 1875, near Homestead, Iowa Co., Iowa.
- F. C. NICHOLAS.
 5 Specimens of Senarmontite, and the same enclosing unaltered Stibnite, from Mexico.
 A few specimens of Pyrite from a clay bed.
- PROF. H. W. PARKER, New York.
 1 Disc of Marcasite from the coal shale at Sparta, Ill.
- RARE MINERAL MINING CO., 26 Cortlandt St., N. Y.
 3 Specimens of Wolframite, from the Trumbull Mines, Fairfield Co., Conn.
- ERNEST SCHERNIKOW, New York.
 1 Large specimen of Pink Beryl, from Haddam Neck, Conn.
 1 " " Microcline Feldspar, from Haddam Neck, Conn.
- JOHN H. WINSER.
 3 Discs of Marcasite, from the coal shale at Sparta, Ill.

ERNEST WRIGHT.

10 Specimens of Quartz Crystals associated with and in Calcite, from near Saratoga, N. Y.

J. P. MORGAN, New York City.

1 large specimen of Wulfenite, from Las Cruces, New Mexico.

2 Calcite crystals, from the Pittsburg Mine, near Joplin. Mo.

A group of Calcite with Galena, from the Blakie Mine, No. 2, near Joplin, Mo.

CONCHOLOGY.

W. E. CRANE, Tarrytown, N. Y.

30 or more species of shells, from various localities.

LIEUT. G. T. EMMONS, U. S. Navy.

A collection of marine and land shells.

MISS ANNA PENISTON, Bermuda.

87 Species, or 641 individual shells, from Bermuda.

J. D. SEON, Seward, Bermuda.

1 Specimen of *Cypræa exanthema*, found in Castle Harbor, Bermuda.

INVERTEBRATE ZOÖLOGY.

MRS. W. BLAKE, 265 West 39th St., N. Y.

2 Specimens of Coral, 1 *Madrepora cervicornis*, and 1 *Madrepora palmata*, from West Indies.

ALFRED CABASSUD, 31 Broadway, N. Y.

1 Large Lobster, from the waters off Atlantic Highlands, N. J.

DR. ARNOLD GRAF, Pathological Institute, N. Y.

1 Specimen of Jelly Fish, *Cyanea arctica*.

1 Jar of *Pennaria tiarella*, Polyp.

1 " *Bugula turrita*, Byozoan.

1 Specimen of *Amaroucium pellucidum*, Ascidian.

1 " *Botryllus Gouldi*, Ascidian.

1 " *Lepas anatifera*, Crustacean.

1 " *fascicularis*, all from Wood's Holl, Mass.

T. HOWELL.

1 Specimen of Coral, Madrepore, from St. Thomas, W. I.

F. C. NICHOLAS.

Several specimens of Coral from Jamaica, W. I.

3 Specimens of Echinoderms.

J. P. RYAN.

7 Specimens of Jelly Fish, *Idyia roseola*, Ag., from Canarsie Bay.

MARSHALL H. SAVILLE.

Crustaceans, Echinoderms, Corals and Shells, from U. S. Colombia.

F. C. Nicholas Collection.

R. P. WHITFIELD.

1 Siliceous monactinoid sponge, from Lower California, and about 200 specimens of Sponges, Gorgonias, Corals, Shells, Echinoderms, Crustaceans, &c., all from Bermuda.

DEPARTMENT OF VERTEBRATE ZOOLOGY.

MAMMALS.

- EDWARD B. ADAMS, Philadelphia, Pa.
2 California Moles, mounted.
- HENRY ALCLIN, Forrest Valley, Ulster Co., N. Y.
1 *Zapus insignis*.
- SPENCER ALDRICH, New York City.
1 Young Otter, mounted.
- JEROME ALEXANDER, New York City.
1 Mexican Hairless Dog.
- H. P. ATTWATER, San Antonio, Texas.
1 Pouched Mouse, with one pouch undeveloped; 4 Harvest Mice.
- J. A. BAILEY.
2 Camels, 2 Kangaroos, 1 Indian Elephant, 1 Guanaco.
- JOHN BROOKS, Jalapa, Mexico.
1 *Rhipidomys sumichrasti*.
- C. L. BROWNELL, Nyack, N. Y.
34 Specimens from Florida.
- HON. ALFRED R. CONKLING, New York City.
1 English Bloodhound.
- FRANK M. CHAPMAN, Englewood, N. J.
1 *Zapus hudsonius*.
- C. L. CUNNINGHAM, Fort Klamath, Oregon.
4 Specimens from Oregon.
- Mrs. C. W. DEAN, New York City.
1 Marmoset.
- DEPARTMENT OF PUBLIC PARKS, New York City.
19 Monkeys, 1 Puma, 1 Leopard, 2 Ocelots, 2 Foxes, 1 Bear, 2 Raccoons, 1 Harbor Seal, 1 West Indian Seal, 1 Coati, 3 Kinkajous, 5 Nylghaus, 5 Antelopes, 5 Deer, 1 Camel, 1 Woodchuck, 1 Agouti, 1 Kangaroo, 2 Opossums, 2 White Whales. Total, 59 specimens, received in the flesh from the Central Park Menagerie and New York Aquarium.
- Mrs. SARAH J. EGBERT, New York City.
2 *Dasyurus ursinus*, mounted.
- MICHAEL ENGLERT, New York City.
Lower jaw of Porpoise, 1 Oryx horn, 9 sets of Deer antlers, 2 mounted heads of Deer.
- JOHN FANNIN, Victoria, B. C.
2 Beavers, from British Columbia.
- Mrs. MARY C. FRANKLIN, New York City.
1 Spaniel.
- DR. GEORGE F. GAUMER, Izamal, Yucatan.
6 Small Mammals from Yucatan.
- W. W. GRANGER, New York City.
65 Small Mammals from Wyoming.
- JOSEPH GRINNELL, Pasadena, Cal.
1 Pocket Gopher, from California, in unusual (melanistic) pelage.
- JOSEPH H. HENDERSON, New York City.
1 Large Maltese Cat.

- DR. SAMUEL JENNESS, New York City.
1 Double-headed Kitten, mounted.
- MORRIS K. JESUP, New York City.
4 Eskimo Dogs, from the Peary Expedition.
- MORRIS K. JESUP and JAMES M. CONSTABLE, New York City.
3 Mountain Sheep, including type of *Ovis stonoi*, sp. nov.
- W. E. T. KEYSER, New York City.
1 Monkey.
- ROBERT HOE LAWRENCE, New York City.
1 Skull of *Spilogale*, from Washington.
- EDGAR LEHMAN, New York City.
1 Panda (*Elurus fulgens*), mounted.
- DR. EDGAR A. MEARNES, U. S. A.
71 Small Mammals from Fort Clark, Texas.
- JOHN MOORE, New York City.
1 Muskrat.
- FRANCIS C. NICHOLAS, New York City.
16 Bats, in alcohol, from Sta. Marta, Colombia.
- CHEVALIER PETICH, New York City.
2 Chihuahua Dogs.
- HENRY C. PRATT, New York City.
17 Small Mammals, from Sta. Marta, Colombia.
- A. C. REMPEN, Para, Brazil.
4 Skulls of Jaguar, from Lower Amazon, Brazil.
- WILLIAM M. RICHARDSON, New York City.
1 Rat.
- JOHN ROWLEY, JR., New York City.
1 Skull of Dog.
- DR. LEWIS NATHANIEL SHIELDS, New York City.
1 Skull of Mountain Sheep, from Idaho.
- R. SHIELDS-ASLACHSEN, London, England.
1 Spider Monkey.
- HARLAN I. SMITH, New York City.
1 Coyote skull, 2 Dog skulls, from British Columbia.
- JOHN H. STARIN, New York City.
2 Sea Lions.
- A. J. STONE, Missoula, Mont.
2 Skulls and 1 head skin of *Ovis stonoi*.
- DR. WILLIAM THURMAN, New York City.
1 Skull of Dolphin.
- MATEO TRUJILLO, Jalapa, Mexico.
7 Specimens, from Jalapa, Mexico.
- EDWARD H. WALES, Hyde Park, N. Y.
1 Albino Deer, from the Adirondacks.
- WILLIAM WALLACE, New York City.
1 Collie Dog, 1 Eskimo Dog.

BIRDS.

- DR. J. C. BARRON, New York City.
1 Great Blue Heron.
- PROF. A. S. BICKMORE, New York City.
1 Parrot, mounted, from the Spice Islands.
- MRS. C. C. BURLINGAME, New York City.
38 Birds' skins, from Oregon and Washington.
- FRANK M. CHAPMAN, Englewood, N. J.
1 *Myadestes obscurus*, 3 House Sparrows.
- S. H. CHUBB, New York City.
2 Nests, with eggs, of *Stelgidopteryx serripennis*, from Palenville, N. Y.
- MRS. W. P. COLGATE, New York City.
1 Crow, mounted.
- JOHN C. CORCORAN, Woods, N. Y.
2 Great Blue Herons.
- DEPARTMENT OF PUBLIC PARKS, New York City.
1 Thrush, 1 Oriole, 1 Sparrow, 1 Woodpecker, 2 Toucans, 3 Eagles, 2 Hawks, 3 Owls, 5 Parrots, 4 Doves, 4 Pheasants, 1 Rail, 1 Bittern, 2 Swans, 1 Gannet, 1 Ostrich. Total, 33 specimens, received in the flesh, from the Central Park Menagerie.
- MICHAEL ENGLERT, New York City.
13 Mounted birds.
- JACOB FREEDMAN, New York City.
1 Three-legged Chicken, living.
- C. H. GRANGER, Rutland, Vt.
2 Hawks.
- W. W. GRANGER, New York City.
1 Murre, from Vermont; 1 Hawk, from Wyoming.
- MORRIS M. GREEN, Syracuse, N. Y.
348 Bird skins, 148 species, and a large collection of birds' eggs.
- D. C. HASKINS, New York City.
1 Hen's egg, showing breakage and repair while in the oviduct.
- MISS D. K. HALLOCK, New York City.
19 Mounted birds.
- W. A. HORN, Melbourne, Australia.
14 Bird skins, from the desert interior of Australia.
- A. C. HUMBERT, New York City.
1 Ptarmigan, from Newfoundland.
- D. P. INGRAHAM, Beulah, Colo.
1 Solitaire, 2 Flycatchers, from Colorado.
- S. JACKSON, New York City.
1 Parrot.
- MRS. JENNIE C. KEATOR, Bensonhurst, N. Y.
1 Great Blue Heron, mounted, from Port Eads, La.
- R. H. LAWRENCE, New York City.
15 bird skins, from Oregon and Washington.
- DR. EDGAR A. MEARNs, U. S. A.
80 Bird skins from Pennsylvania and Virginia, and 307 from Fort Clark, Texas.

- J. B. POTTER, Nyack, N. Y.
9 House Sparrows.
- JOSEPH PRINCE, New York City.
1 Starling.
- CLARENCE B. RIKER, Maplewood, N. J.
2 Bobolinks.
- J. ROWLEY, JR., New York City.
1 Hawk.
- A. SEALE, Stanford University, Cal.
3 Heermann's Gulls, 1 Loon.
- MATEO TRUJILLO, Jalapa, Mexico.
5 Bird skins, from Jalapa, Mexico.
- CHARLES F. WINGATE, New York City.
1 White Java Sparrow.
- REV. CHARLES J. YOUNG, Lansdowne, Can.
1 Egg of the Philadelphia Vireo.

REPTILES.

- CHARLES B. CORY, Boston, Mass.
1 Young Crocodile and 1 young Alligator, mounted, from Florida.
- R. L. DITMARS, New York City.
11 Snakes from the vicinity of New York City, and 1 Snake from Florida.
- DEPARTMENT OF PUBLIC PARKS, New York City.
3 Tortoise-shell Turtles, received in the flesh, from the New York Aquarium.
- J. F. DYE, New York City.
3 South American Snakes, in alcohol.
- MICHAEL ENGLERT, New York City.
1 Skull of large Sea Turtle.
- W. A. HORN, Melbourne, Australia.
Rare Lizards from the interior of Australia, collected on the Horn Expedition.
- DON KELLY, New York City.
1 Horned Toad.
- J. H. LIPSCHITZ, New York City.
1 Jar of South American Snakes.
- W. L. SHERWOOD, New York City.
35 Bottles of Batrachians, from the vicinity of New York City.
- STATEN ISLAND NATURAL HISTORY SOCIETY, Staten Island, N. Y.
5 Jars of Reptiles, from the Lesser Antilles.
- G. M. THOMAS, New York City.
1 Gila Monster, mounted, from Phoenix, Arizona.

FISHES.

DEPARTMENT OF PUBLIC PARKS, New York City.

About 100 specimens of rare Fishes, mostly from New York State.

Received from the New York Aquarium, through the Director Dr.

Tarleton H. Bean.

WILLIAM DUTCHER, New York City.

1 Muscalonge, from Thousand Islands.

MICHAEL ENGLERT, New York City.

1 Large Saw Fish Saw.

DR. ARNOLD GRAFF, New York City.

1 Pipe-fish.

W. A. HORN, Melbourne, Australia.

Rare Fishes, from the interior of Australia, collected on the Horn Expedition.

DEPARTMENT OF ENTOMOLOGY.

THE VERY REV. E. A. HOFFMAN, New York City.

Collection of 475 species, 1,650 specimens, of Butterflies, found in America, north of Mexico.

WILLIAM SCHAUS, Twickenham, England.

8,000 Specimens of Moths, from Europe, Africa, Asia and Australia.

HENRY C. PRATT, New York City.

1 Large Termite or White Ant Hill, from Colombia, collected by Mr. F. C. Nicholas.

1 Large Tree Termite Nest from Hayti, W. I., collected by Mr. F. C. Nicholas.

Several small domes built by Termites, from United States Colombia, collected by Mr F. C. Nicholas.

F. C. NICHOLAS, New York City.

6 Nests of Trap-door Spiders, from Jamaica, W. I.

DR. WILLIAM BARNES, Decatur, Illinois.

150 Specimens of North American Butterflies and Moths.

ERNEST SHOEMAKER, Brooklyn, N. Y.

7 Specimens of Moths from Long Island.

JACOB DOLL, Brooklyn, N. Y.

6 *Schinia brevis*, from Long Island.

1 *Papilio gundlachiana*, from Cuba.

1 *Catopsilia avellaneda*, from Cuba.

JOSEPH KESSLER, Nyack, N. Y.

1 Hornets' Nest (*Vespa maculata*).

DR. RICHARD KUNZE, Phoenix, Arizona.

12 specimens of Moths from Arizona.

R. FELIX BIRCH, New York City.

1 Centipede, from South America.

WILLIAM T. DAVIS, Staten Island.

1 *Pamphila fusca*.

JAMES R. KERLEY, Upper Red Hook, N. Y.

1 Hornets' Nest (*Vespa maculata*).

EDWARD KOHLER, Alpine, N. J.

1 Hornets' Nest (*Vespa maculata*).

DEPARTMENT OF VERTEBRATE PALÆONTOLOGY.

PROF. J. F. KEMP, Columbia University.

Fragment of the jaw of a fossil mammal from Western Montana.

J. PIERPONT MORGAN.

Complete skull and jaw of *Castoroides Ohioensis* from Pleistocene deposits of Michigan.

BRITISH NORTH AMERICAN TRADING AND EXPLORATION COMPANY.

Molar tooth of a mammoth from the Klondike gold diggings.

DR. A. H. PHELPS, Glens Falls, N. Y.

Molar tooth of a fossil horse, from Rutland, Vt.

DEPARTMENT OF ANTHROPOLOGY.

MORRIS K. JESUP, New York City.

Collections obtained by The Jesup North Pacific Expedition; Archaeological collections from Kamloops, Lytton, Spences Bridge, Hammond, and Victoria, British Columbia; Ethnological collections from the Thompson River Indians, from the Chilcotin, Bella Coola, Haida, Kwakiutl, and Nootka; Human skeletons and crania from various parts of British Columbia; Casts and photographs for the exhibit illustrating the physical types of the Indians of British Columbia.

THE DUKE OF LOUBAT New York City.

An extensive archæological collection from Southern Mexico and from Guatemala; Nineteen casts from large Mexican sculptures from the originals in the National Museum of Mexico; Cast of the sculpture known as "The Turtle" in the ruins of Quirigua, Guatemala; from moulds made under the direction of Mr. Alfred Maudslay.

Archæological specimens and photographs, the collection made by Ernest Volk during his explorations of the glacial deposits at Trenton, and of a prehistoric burial place near Trenton, N. J., during the year, under the direction of the Department.

B. TALBOT B. HYDE and F. E. HYDE, JR., New York City.

Archæological collection obtained from the exploration under the direction of the Department, of an ancient pueblo in New Mexico.

MRS. SALLY MORRIS CORY, New York City.

Collection illustrating several features of the life and customs of the Chinese, collected by Mrs. Cory.

GEORGE CASTOR MARTIN, New York City.

An Indian basket from Alaska.

DR. KINGSLEY, Schoharie, N. Y.

Eight Stone implements from Schoharie.

HENRY THURUM, New York City.

Arrow point from Brooklyn.

C. POMA.

Arrows of the Mundurucu Indians of Brazil.

ALBERT KEEN, Huntington, Calvert Co., Md.

Sixty stone implements collected by Capt. Keen in Calvert Co., Md.

- J. C. MARTIN, New York City.
Negro charm from Jamaica.
- ANONYMOUS DONOR.
Eight ethnological objects from the Sioux Indians.
- JAMES DOUGLAS.
A Navajo loom ; a grave tablet from Ancon, Peru.
- WILSON MACY.
Ethnological objects and photographs from Chili.
- M. H. SAVILLE, New York City.
Hammer-stone, from New Mexico.
- A. J. MARTIN, New York City.
Archæological collection from the vicinity of Santa Marta, Colombia,
collected by F. C. Nicholas of the South American Exploration Co.
- EDWARD B. MACY, New York City.
Two stone implements from Denmark.
- WILLIAM E. DODGE, New York City.
Ancient stone urn from the Hebrides.
- MRS. J. CROSBY BROWN, New York City.
A shield from New Britain ; two ear-rings of wire from West Africa.
- ANTONIO REMPEN.
Nine ethnological objects from Brazil.
- HENRY DE MORGAN, New York City.
Six human crania, human fibula, copper bracelet, and nine pottery
vessels, from ancient graves in Russian Armenia.
- JAMES M. CONSTABLE, New York City.
Nine ethnological objects from various countries ; five human skulls
and portions of three skeletons from the New Hebrides.
- CLARENCE B. MOORE, Philadelphia, Pa.
A large pottery urn containing cremated human remains, and a pottery
vessel forming a cover to the urn. Found by Mr. Moore in a
mound in Georgia and described in his memoir.
- J. S. and S. S. EDSALL, Palisade Park, N. J.
Five skulls of negroes.
- J. F. HADLEY, New York City.
Two blankets made of bark-cloth, a pottery vessel and four potsherds
from Ecuador.
- JACQUES REICH, New York City.
Several stone implements from New Dorp, Staten Island.

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DEPARTMENT OF GEOLOGY, ETC.

MINERALOGY.

I	Specimen of Göthite and Calcite,	from Pribram, Bohemia.
I	" " Heteromorphite, Sphalerite, &c.,	" " "
I	" " Bournonite,	" " "
I	" " Calcite on Dolomite,	" " "
I	" " " and Pyrite,	" " "
I	" " Pyrite and Sphalerite,	" " "
I	" " Tetrahedrite, Siderite, &c.,	" " "

I	Specimen of Breunerite, Sphalerite, &c.,	from Schneeberg, Tyrol.
I	“ “ “ on Sphalerite,	“ “ “
I	“ “ Calamine and Hydrozincite,	“ Raibl, Carinthia.
I	“ “ Sphalerite, Galenite, &c.,	“ “ “
I	“ “ Pyrite,	“ “ “
I	“ “ Marl, from Klosternenburg, Lower Austria.	
I	“ “ Malachite and Azurite, from Briselegg, Tyrol.	
I	“ “ Barite, from Briselegg, Tyrol.	

CONCHOLOGY.

I	Specimen of <i>Unio amygdalum</i> , Lea, from Florida.
I	“ “ “ <i>cista-formis</i> , Lea, from North Carolina.
I	“ “ “ <i>Cunninghami</i> , Wright, from Florida.
I	“ “ “ <i>denigratus</i> , Lea, from Florida.
I	“ “ “ <i>Rutervillensis</i> , Lea, from Texas.
I	“ “ “ <i>similis</i> , Lea, from Georgia.
I	“ “ “ <i>speciosus</i> , Lea, from Texas.

DEPARTMENT OF VERTEBRATE ZOÖLOGY.

MAMMALS.

207 specimens, chiefly from New York, Wisconsin and Florida.

BIRDS.

65 specimens from the Philippine Islands; 100 specimens from coast of California.

DEPARTMENT OF VERTEBRATE PALÆONTOLOGY.

FROM THE PALÆONTOLOGICAL MUSEUM OF MUNICH, through Prof. Carl von Zittel.

Representing the Upper Eocene, Oligocene, Miocene, Pliocene and Pleistocene animals of Europe, principally horses, anoplotheres, palæotheres, antelopes, carnivores and rodents. Altogether 357 specimens, representing 87 different species, of fossil Mammals, and 4 specimens, representing 4 species, of fossil Birds.

MUSEUM OF PRINCETON UNIVERSITY.

Casts of brains of four fossil mammals and of the forefoot of one.

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DEPARTMENT OF GEOLOGY, ETC.

6 specimens of Cretaceous fossils, from Marathon, Brewster Co., Texas.
53 different lots of Upper Miocene fossils, from the deep wells at Galveston, Texas.

THROUGH MUSEUM EXPEDITIONS.

A number of fossils from a carbonaceous clay at Tuxpan, Mexico, collected by Dr. Lumholtz.
7 species of Jurassic fossils from rock of this age at Freezeout, Albany Co., Central Wyoming, collected by Dr. Wortman.

DEPARTMENT OF ANTHROPOLOGY.

Three specimens from West Africa (from Péné Collection), Figurine made of silver, gold and copper, from Bolivia (from Muñoz Collection). Iroquois war club (from Muñoz Collection).
Five human crania from Solomon Islands (collected by P. E. Wolff).
Nineteen native carvings from Alaska (Emmons Collection).

THROUGH MUSEUM EXPEDITIONS.

IN PERU AND BOLIVIA, by A. D. Bandelier.

Numerous archaeological specimens obtained during the explorations of ancient ruins and burial places in the vicinity of Lake Titicaca, and on the islands in the lake. Also many drawings and photographs made in connection with the explorations. These collections contain many pottery vessels, stone implements, ornaments and implements of copper and other metals, and a large lot of human crania, including many that had been trephined and having other peculiarities.

IN MEXICO, by Carl Lumholtz.

Ethnological collections from the Cora, Huichol and Tarasco Indians; Human skeletons and crania from various places in Mexico, and numerous other objects secured during his expedition.

IN BRITISH COLUMBIA, by James Teit.

Ethnological collection from the Thompson River Indians.

IN NEW YORK, by Caspar Mayer.

Life masks and photographs of Iroquois Indians at Lawton.

The collections obtained in British Columbia by the Jesup North Pacific Expedition; in New Mexico and Colorado by the Hyde Expedition; and in New Jersey by the Loubat Explorations, while carried on under the direction of the Department, were paid for in full by the parties named and are recorded under donations.

DEPARTMENT OF VERTEBRATE ZOÖLOGY.

MAMMALS.

106 specimens, chiefly from New York State.

THROUGH MUSEUM EXPEDITIONS.

219 specimens, mostly from Mexico and California.

BIRDS.

289 specimens, from the State of Vera Cruz, Mexico.

THROUGH MUSEUM EXPEDITIONS.

15 specimens, mostly from New York State.

DEPARTMENT OF ENTOMOLOGY.

Transformations of African Termite or White Ant (*Termes bellicosus*).

Transformation of Large Yellow Hornet (*Vespa crabro*).

75 North American Butterflies.

30 specimens of insects from Brazil.

Large Ant Hill, from New Jersey.

DEPARTMENT OF GEOLOGY, ETC.

MINERALOGY.

A doubly terminated crystal of Quartz showing several bubbles, from Mazela, Guerrero, Mexico.

A quantity of cave specimens, including one large group of peculiar Calcites and several capped groups, from pools in the Copper Queen Consolidated Mines at Bisbee, Arizona.

1 specimen of Vanadinite, from Hillsboro, New Mexico.

1 " " Pollucite, from near Paris, Maine.

1 " " Hamlinite, " " " "

1 " " Montmorillonite, from near Paris, Maine.

1 " " Tridymite, from San Pietra, Italy.

CONCHOLOGY.

1 specimen of *Pleurotomaria Beyrichi*, from Japan.

DEPARTMENT OF VERTEBRATE PALÆONTOLOGY.

Series of twenty-three casts of brains of modern Mammals, from Ward's Nat. Sci. Establishment.

Complete skeleton of a large Swimming Lizard (*Liodon*), twenty-eight feet long, from the Cretaceous Beds of Western Kansas.

FROM FIELD EXPEDITIONS INTO

(1) JURASSIC BEDS OF WYOMING.

A large part of the skeletons of two gigantic Dinosaurs, estimated at 50-60 feet in length, and fifteen boxes of rock containing small mammal jaws and bones.

(2) PLEISTOCENE BEDS OF NEBRASKA.

Skull and skeleton bones of a large Ground Sloth (*Mylodon*), great numbers of bones from all parts of the skeleton of the extinct Horse (*Equus excelsus*), many bones of extinct Camels, tusks and teeth of the Mammoth, and some bones of rarer animals.

(3) EOCENE OF HUERFANO BASIN, Colorado.

Twenty specimens of Eocene Mammals, including parts of the skeleton of *Tillotherium*, skull and jaws of a new species of *Oxyaena* and lower jaw of *Patriofelis*.

(4) CRETACEOUS BEDS OF KANSAS.

Ninety specimens of Reptiles and Fishes, including more or less complete skeletons of *Pteranodon*, *Clidastes* and *Protostega*, skulls of *Platecarpus*, *Pteranodon* and several kinds of fish.

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 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.

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 \$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 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.

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.*
 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 PHOENIX.*
 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.
 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.*
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 WILLIAM WALDORF ASTOR.
 CATHERINE L. SPENCER.*
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 CYRUS W. FIELD.*
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 FREDERICK BILLINGS.*
 Mrs. ROBERT L. STUART.*
 JESSE SELIGMAN.*
 THEO. ROOSEVELT.
 OSWALD OTTENDORFER.
 J. HAMPDEN ROBB.
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 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.

* Deceased.

A. J. FORBES-LEITH.
 GEORGE BLISS.*
 M. C. D. BORDEN.
 ARCHIBALD ROGERS.
 GEORGE C. COOPER.*
 MRS. M. SCHUYLER ELLIOT.
 APPLETON STURGIS.
 THEODORE A. HAVEMEYER.*
 WILLIAM C. WHITNEY.
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 JAMES BAKER SMITH.
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 HENRY VILLARD.
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 AUSTIN CORBIN.*
 ANSON W. HARD.
 GUSTAV E. KISSEL.
 ELBRIDGE T. GERRY.

DR. EDGAR A. MEARNES, U. S. A.
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 PROF. HENRY FAIRFIELD OSBORN.
 JONATHAN THORNE.
 VICTOR CORSE THORNE.
 EDWIN THORNE.
 JOEL WOLFE THORNE.
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 A. G. MILLS.
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 ROWLAND G. MITCHELL, JR.
 E. A. MOEN.
 E. C. MOORE.*

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 THOMAS B. MUSGRAVE.
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 WILLIAM NIVEN.
 THOMAS H. O'CONNOR..
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 JAMES W. PINCHOT.
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 SPENCER TRASK.
 EDWARD TUCK.
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 EDWARD WINSLOW.
 JOHN WOLFE.*
 HENRY H. WOTHERSPOON.
 JOHN H. WYMAN.*
 MRS. JOHN J. WYSONG.

* Deceased.

ANNUAL MEMBERS.

Abegg, Henry	Barney, N. C.	Bowdoin, G. S.
Abegg, J. H.	Bawden, Wm.	Bradley, S. R.
Abeel, George	Beaman, Charles C.	Bradley, William H.
Acker, Franklin	Beckel, Joseph	Breslin, James H.
Adee, Philip H.	Bedle, Joseph D.	Briesen, Arthur V.
Agnew, John T.	Beekman, Gerard	Briesen, Frank von
Aitken, John W.	Beer, Julius	Briggs, Mrs. J. A.
Aldrich, Mrs. H. D.	Beers, M. H.	Bristol, John I. D.
Alexander, Henry M.	Beinecke, B.	Brockway, A. N., M.D
Alexander, Jas. W.	Bend, George H.	Brockway, Fred. J., M D.
Alexander, John F.	Benedict, James H.	Brookfield, Wm.
Alexandre, J. H.	Bentley, Charles E.	Brooks, Charles M.
Allen, Calvin H.	Bentley, John	Brower, Wm. L.
Amend, Bernard G.	Berdell, Theodore	Brown, Alfred S.
Ammon, Adolph	Bernheim, Gustav	Brown, J. Crosby
Amsinck, Gustav	Bernheimer, Mrs. A.	Brown, Vernon H.
Amy, H.	Bernheimer, Charles D.	Bruce, S. D.
Anderson, E. Ellery	Bernheimer, Charles L.	Bryce, William
Andreini, J. M.	Bernheimer, Simon	Burden, Henry, 2d
Appleton, Daniel	Berrian, Charles M.	Burden, James A.
Appleton, Wm. H.	Berwind, Edward J.	Burr, Wm. H.
Appleton, W. W.	Betts, Samuel R.	Butler, Prescott Hall
Archbold, John D.	Bianchi, F.	Butler, Wm. Allen
Archer, George A.	Bien, Julius	Byrne, John
Armour, H. O.	Biglow, Lucius Horatio	
Arnold, E. S. F., M.D.	Bissinger, Philip	Cabot, Dr. John
Arnold, John H. V.	Blagden, George	Calder, George
Aufhauser, Samuel	Bliss, George T.	Calman, Emil
	Bloodgood, John H.	Calman, Henry L.
Babcock, Samuel D.	Blumenstiel, A.	Cammann, H. H.
Baker, Frederic	Blumenthal, Aug.	Cannon, H. W.
Baker, Robert B.	Bogert, Henry A.	Carleton, I. Osgood
Baldwin, J. G., M.D.	Bogert, Stephen G.	Carnrick, John
Baldwin, O. D.	Bond, Frank S.	Carter, A.
Ballantine, Robert F.	Bonn, William B.	Carter, James C.
Ballin, Gustav	Bookstaver, H. W.	Carter, Walter S.
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Barber, A. L.	Boskowitz, I.	Chesebrough, Robert A.
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Barnes, John S.	Bowers, John M.	Chisolm, George E.
Barney, Chas. T.		

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Clark, George C.
Clark, William N.
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Coffin, Edmund
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Colgate, R. R.
Collins, Miss Ellen
Collins, Miss M. M.
Compton, A. T.
Conger, Henry C.
Conkling, Rev. Dr. N. W.
Constable, Frederick A.
Cook, Chas. T.
Cooper, John
Cornell, R. R.
Cory, Mrs. S. M.
Coster, C. H.
Cox, Allyn
Crawford, R. L.
Crocker, George Aug.
Cross, Richard J.
Cruger, S. V. R.
Cummings, Richard
Cutting, Robt. Fulton
Cutting, W. Bayard
- Daly, Chas. P.
Davenport, Ira
Davies, William G.
Davis, Benjamin P.
Davis, Joseph P.
- Davison, C. A.
Day, Edward G., M.D.
Day, Henry M.
Day, Miss Lydia
Decker, Joseph S.
Deeves, Richard
de Forest, Robert W.
De Rham, Charles
deCoppet, Henry
DeKlyn, B. F.
DeVinne, Theo. L.
De Witt, George G.
Delafield, Maturin L.
Dewitt, William G.
Dickie, E. P.
Dickey, Mrs. Hugh T.
Dieterich, Chas. F.
Dimock, Henry F.
Dix, Rev. Morgan, D.D.
Dodd, S. C. T.
Dodge, Cleveland H.
Dodge, George E.
Dodge, Miss Grace H.
Dodge, Mrs. Wm. E., Jr.
Dommerich, L. F.
Doudge, James R.
Dougherty, A.
Doughty, Mrs. Alla
Drake, John J.
Drakenfeld, B. F.
Draper, Dr. Wm. H.
Du Bois, F. N.
Du Bois, Dr. Matthew B.
Du Bois, Miss Katharine
Du Bois, William A.
Duncan, John P.
Dunham, G. H.
Dunlap, Robert
- Eimer, August
Einstein, David L.
Elder, Mrs. M. A.
Elliott, Edward
Ellis, John W.
Ellsworth, Wm. W.
Eno, Amos F.
- Ettlinger, Louis
Evans, Richard
Evans, William T.
Ewart, James M.
Ewart, Richard H.
Evarts, W. M.
- Fahnestock, H. C.
Fairchild, Charles S.
Fargo, James C.
Farnham, Mrs. Horace P.
Ferris, Frank A.
Flagler, John H.
Fletcher, Andrew
Flint, Miss Helena
Flower, A. R.
Flower, Frederick S.
Foote, C. B.
Ford, James B.
Foster, Edward W.
Foster, Scott
Frankenberg, D.
Fraser, Alfred
Frazee, Wm. C.
Free, C. Lincoln
Freeborn, G. C., M.D.
French, S. A.
Freygang, George
Frissell, A. S.
- Gade, Henry
Garland, James A.
Gay, Joseph E.
Georger, Louis F.
Gibb, John
Gilberg, Charles A.
Gillis, Chas. J.
Goddard, F. N.
Godfrey, Chas. H.
Godkin, Edwin L.
Goldschmidt, Geo. B.
Gossler, G. H.
Gotthold, Fred.
Grace, Wm. R.
Gracie, J. K.
Graham, Malcolm

- Greacen, Robert A.
 Greenwood, Isaac J.
 Gregory, Chas. E.
 Guggenheimer, Randolph
 Gulliver, William C.
 Gurnee, W. S.
- Haber, Louis I.
 Hague, James D.
 Hall, Mrs. John H.
 Halls, William, Jr.
 Halsted, Miss Mary M.
 Hamilton, John L.
 Hardenbergh, J. P.
 Hardt, William Ernest
 Hartley, Marcellus
 Havemeyer, J. C.
 Haven, J. Woodward
 Haviland, Edwin
 Hawley, Edwin
 Hawley, Henry E.
 Hayden, Brace
 Hayes, R. Somers
 Haynes, A. E.
 Hedges, James
 Hegeman, John R.
 Heminway, Homer
 Hendricks, Edmund
 Heroy, Mrs. James H.
 Higgins, Francis
 Hill, Geo. H. B.
 Hill, James K.
 Hilyard, George D.
 Hinchman, Walter
 Hinman, W. K.
 Hinton, J. H., M.D.
 Hoadly, George
 Holden, E. B.
 Holden, E. R.
 Holly, Henry H.
 Holmes, Wm. H.
 Holt, Henry
 Holt, Miss Lydia C.
 Holt, R. S.
 Horton, Burrett W.
 Hoyt, Chas. A.
- Hoyt, Dr. Ezra P.
 Hubbard, Gen. T. H.
 Hunter, Mrs. M. L.
 Huntington, A. M.
 Hüpfel J. Chr. G.
 Hutton, F. R.
 Hyatt, A. M.
 Hyde, Clarence M.
 Hyde, Mrs. Augustus L.
 Hyde, Frederick E.
- Ireland, John B.
 Iselin, Adrian, Jr.
 Iselin, C. Oliver
 Iselin, Wm. E.
- Jackson, Charles A.
 Jackson, Geo. T., M.D.
 Jackson, John B.
 Jackson, Wm. H.
 Jacobus, John S.
 Jaeger, Francis M.
 Jaffray, Robert
 Jaques, George B.
 Jenkins, Wm. L.
 Jeremiah, Mrs. H.
 Jesup, Jas. R.
 Jones, H. Le Roy
 Judson, Alfred M.
 Juilliard, A. D.
- Kaskel, Albert
 Kellogg, L. Laffin
 Kellogg, Mrs. Chas.
 Kemp, Edward
 Kendall, Edward H.
 Kennedy, John S.
 Kerbs, Adolf
 Kerner, Charles H.
 Kerwin, Andrew J.
 Kevan, William
 Kimbel, Henry
 King, William F.
 Kingman, Abel Willard
 Kinnicutt, Dr. F. P.
- Klatzl, John C.
 Klenke, William H.
 Knapp, H., M.D.
 Knower, Benj.
 Kohlman, Charles
 Kohn, S. H.
 Kohns, L.
 Kraus-Boelte, Mrs. Maria
 Kraus, William
 Kuttroff, Adolf
- Lagowitz, Miss H. L.
 Laidlaw, Henry B.
 Lange, Dr. F.
 Lange, J. D.
 Langmann, G., M.D.
 Lapham, Lewis H.
 Lapham, S. V.
 Lathers, Richard
 Lavelle, Rev. Michael J
 Lawrence, Cyrus J.
 Lawrence, Mrs. Samuel
 Layng, James D.
 Leavitt, Henry S.
 Leaycraft, J. Edgar
 Lehman, E.
 Leshar, A. L.
 Lewis, Richard V.
 Littlefield, Frederick M.
 Livingston, Edward
 Livingston, H. T.
 Livingston, Wm. S.
 Lobenstine, W. C.
 Lockman, Jacob K.
 Loeb, S.
 Loewi, Valentine
 Lorbacher, Edmund
 Lord, Benjamin
 Lord, Mrs. D. D.
 Louis, Chas. H.
 Lounsbery, R. P.
 Low, C. Adolphe
 Ludington, C. H.
 Lueder, A.
 Lummis, Wm.
 Lyman, T. C.

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|----------------------------|---------------------------|--------------------------|
| Mack, J. W. | Moss, John H. | Pray, Joseph M. |
| Mackenzie, Duncan E. | | Purdy, Wm. Macneven |
| Mackey, Oscar T. | Navarro, Juan N. | Putnam, George L. |
| Macy, I. Augustus | Nathan, Miss Agnes C. | Putnam, Mrs. Albert E. |
| Maitland, Robert L. | Nelson, Wm. | Putney, W. B. |
| Mali, Charles | Nisbet, William F. | Pyle, Jas. Tolman |
| Man, William | Nott, Frederick J. | |
| Mansfield, Howard | | Quinlan, William J., Jr. |
| Marble, Cyrus C. | Ogilvie, James H. | |
| Markoe, Dr. Thos. M. | Olcott, E. E. | Ranger, Louis |
| Marlor, Henry S. | Olcott, F. P. | Raymond, Charles H. |
| Marshall, Charles H. | Olmstead, Dwight H. | Reilly, James |
| Martin, W. M. | Olyphant, R. M. | Renwick, Edward S. |
| May, Calvin S., M.D. | Olyphant, Robert | Rhineland, Chas. E. |
| McAlpin, C. W. | Oppenheimer, Dr. H. S. | Rhoades, J. Harsen |
| McAlpin, D. H. | Owen, Mrs. Thomas J. | Richard, Auguste |
| McCabe, Rev. C. C. | Owens, Wm. W. | Riker, John L. |
| McComb, J. Jennings | | Riker, Samuel |
| McCready, Mrs. Caroline A. | Packard, S. S. | Riker, Wm. J. |
| McCurdy, Richard A. | Paddock, Eugene H. | Rising, Dr. J. Converse |
| McDonald, John E. | Palmer, N. F. | Robbins, Rowland A. |
| McGee, James | Palmer, S. S. | Robbins, S. Howland |
| McIntyre, Ewen | Park, Joseph | Roberts, Miss Mary M. |
| McKee, Russell W. | Parrish, James C. | Rogers, Henry H. |
| McKim, Rev. Haslett, Jr. | Parsell, Henry V. | Rolston, Rosewell G. |
| McLean, George H. | Parsons, Mrs. Edwin | Roosevelt, Charles H. |
| Mead, Theo. H. | Parsons, Joseph H. | Roosevelt, W. Emlen |
| Merrall, William J. | Parsons, W. H. | Root, Elihu |
| Metcalfe, John T., M.D. | Patterson, Edward | Rothschild, J. |
| Meyer, Thomas C. | Peabody, Arthur J. | Rothschild, V. Henry |
| Middleton, A. D. | Peck, Charles E. | Rowell, George P. |
| Mildeberger, Mrs. John | Pell, Frederick A. | Rowland, George |
| Miller, D. S. | Pell, John H. | |
| Miller, Geo. Macculloch | Pellew, Henry E. | Sage, Russell |
| Milmine, George | Penfold, Wm. Hall | Saltonstall, Francis G. |
| Mitchell, Alfred | Pentz, Frank R. | Saltus, J. Sanford |
| Mitchell, John J. | Perry, William A. | Sands, Andrew H. |
| Mitchill, Mrs. S. L. | Peters, Samuel T. | Sands, Daniel C. |
| Moir, James | Peters, W. R. | Sands, Mrs. B. Aymar |
| Moller, Peter, Jr. | Peterson, Frederick, M.D. | Sayre, Lewis A., M.D. |
| Moore, Mrs. W. D. | Phillips, Guy | Schaefer, Edward C. |
| Moore, W. H. H. | Pinkus, F. S. | Schaeffer, Hermann |
| Morgan, George H. | Platt, Isaac S. | Schafer, Samuel N. |
| Morgan, John | Platt, John R. | Schafer, Simon |
| Morris, Henry Lewis | Powel, de Veaux | Schastey, George A. |
| Morrison, George A. | Powell, Wilson M. | Schefer, Carl |

- Scheitlin, Edward
 Schmid, Mrs. August
 Schultz, Carl H.
 Schultze, John S.
 Schwab, Hermann C.
 Scott, George S.
 Scribner, Mrs. J. Blair
 Scudder, Hewlett
 See, Mrs. Horace
 Seligman, Isaac N.
 Sellew, T. G.
 Sennett, George B.
 Seton, William
 Sharp, W. W.
 Sherman, Charles A.
 Sidenberg, Gustavus
 Sill, Charles
 Simpson, John Boulton
 Simpson, John W.
 Sinclair, John
 Sloan, Samuel
 Smith, Adon
 Smith, Charles S.
 Smith, Geo. W.
 Smith, James Rufus
 Smith, John Jewell
 Smith, Rev. Cornelius B.
 Smith, William Alex.
 Smith, W. Wheeler
 Smyth, Philip A.
 Snow, Elbridge G.
 Soosmith, Charles
 Stachelberg, Mrs. M.
 Stanton, John
 Stanton, J. R.
 Starin, John H.
 Stearns, John Noble
 Stebbins, Jas. H.
 Stechert, Gustav E.
 Steers, Edward P.
 Steers, Henry
 Stephens, Benjamin
 Stern, Benjamin
 Stewart, Lisenard
 Stewart, William R.
 Stickney, J.
 Stiehl, Gustav H.
 Stone, Edwin
 Stone, Mason A.
 Stone, Mrs. Catherine C
 Stone, Mrs. Georgiana C.
 Stone, Sumner R.
 Storm, Clarence
 Storm, George
 Strong, Wm. L.
 Sturges, Henry C.
 Sutherland, John L.
 Taber, John R.
 Tailer, Edward N.
 Taintor, C. M.
 Taintor, Charles N.
 Talcott, James
 Talmadge, Henry
 Taylor, Mrs. Aug. C.
 Taylor, George
 Taylor, Stevenson
 Tefft, F. Griswold
 Tefft, Wm. E.
 Thomas, T. G., M.D.
 Thomson, Giraud F.
 Thompson, W. Prall
 Tiemann, Daniel F., 3d
 Tierney, Myles
 Tiffany, Louis C.
 Tillinghast, W. H.
 Titus, E., Jr.
 Toel, William
 Tonnelé, John L.
 Toothe, William
 Toucey, J. M.
 Townsend, R. H. L.
 Townsend, R. W.
 Tracy, J. Evarts
 Trevor, H. G.
 Trevor, Mrs. John B.
 Troescher, A. F.
 Turnure, Lawrence
 Tuttle, Nathaniel
 Twombly, H. McK.
 Ullmann, E. S.
 Valentine, Mrs. Lawson
 Valentine, Wm. A., M.D.
 Van Brunt, Cornelius
 Van Brunt, Hon. C. H.
 Van Ingen, Edward H.
 Van Norden, Warner
 Van Pelt, G. S.
 Van Santvoord, A.
 Van Vleck, Joseph
 Van Wickle, A. S.
 Van Winkle, Edgar B.
 Van Winkle, Miss E. S.
 Vandervoort, W. L.
 Veit, Richard C.
 Voorhis, Wm. W. L.
 Wales, Salem H.
 Walker, William I.
 Wallace, Lewis
 Wallach, Antony
 Ward, Lebbeus B.
 Ward, Mrs. Thomas
 Wardwell, Wm. T.
 Warner, Lucien C.
 Waterbury, John I.
 Watson, Miss Emily A.
 Weatherbee, Mrs. E. H.
 Webb, W. H.
 Weed, Benjamin
 Weed, Geo. E.
 Weekes, John A.
 Wehrhane, Chas.
 Westcott, Robert E.
 Wetherbee, Chas. L.
 Wetmore, Dr. John McE
 Wheelock, Dr. W. E.
 Wheelock, Geo. G., M.D.
 Wheelock, Wm. A.
 Whipple, L. Edmund
 White, Horace
 Whitehead, Charles E.
 Whitely, James
 Whitney, Alfred R.
 Wicke, William
 Wickes, Edward A.
 Wickham, Delos O.

Annual Members.

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Wiebusch, Chas. F.	Wing, John D.	Young, Edward L.
Williams, George G.	Witherbee, Frank S.	Young, Reginald
Williams, Richard H.	Wood, Mrs. Henry R.	
Wills, Charles T.	Woodward, F. F.	Zabriskie, Andrew C.
Wilmurt, Thos. A., Jr.	Wray, Miss Cornelia S.	Zickel, S.
Wilson, George	Wright, Benjamin	Zinsser, Aug.
Wilson, John	Wright, Miss F. E.	Zinsser, Wm., J.,
Wilson, Washington	Wurzburger, A.	Zollikoffer, O. F.

DECEASED ANNUAL MEMBERS,

1897.

Abbott, Frank, M.D.	Goldenberg, Simon	Plyer, Charles W.
Baldwin, C. C.	Goodridge, Frederick	Potter, Howard
Bell, Isaac	Hillhouse, Thos.	Randall, Otis W.
Blatchford, Samuel M.	Hinrichs, Chas. F. A.	Scholle, Jacob
Bliss, George	Houghton, Rev. G. H.	Seligman, David J.
Butler, Charles	Iselin, Mrs. Adrian	Shethar, Samuel
Colgate, Samuel	Ketcham, E.	Skidmore, William L.
Dickey, Charles D.	Knickerbacker, H.	St John, William P.
Ehrmann, Julius	Lehman, M.	Strong, Charles E.
Fleet, Oliver S.	Lusk, William T., M.D.	Thorn, Mrs. William K
Fosdick, Chas. B.	Morrison, Edward	Toplitz, L.
Goelet, Ogden	O'Donohue, Joseph J.	Van Slyck, W. H.
		Worthen, W. E.

In Memoriam.

At the Regular Quarterly Meeting of the Board of Trustees of the AMERICAN MUSEUM OF NATURAL HISTORY, held May 10th, 1897, the following minute in regard to the death of

THEODORE A. HAVEMEYER

was unanimously adopted, ordered to be recorded in full, and that a copy be sent to the family of the deceased :

The Trustees, with the deepest regret, record on their minutes their sincere sorrow at the death of their friend, THEODORE A. HAVEMEYER.

Mr. HAVEMEYER was a valued associate, whose interest in the growth and advancement of this Institution was constant and helpful.

His financial assistance was always generous, and his counsel wise and invaluable.

As a member of the Auditing Committee, of which he became a member in 1892, at the time of his election to the Board, his association with the practical affairs of the Museum was intimate, and in that capacity his keen sense of responsibility conferred upon his services an especial value.

The Trustees, conscious of the deep loss his death implies to the interest they represent, desire to record their earnest tribute to a character that was generous and amiable, and endowed with the most honorable qualities of manhood, that they deplore his loss, recognizing how sustained was his assistance in their purpose of public education, how serviceable was his counsel, and how unstinted his financial aid ; that they earnestly extend to his bereaved family their sympathy and condolence, and with deference to their sorrow, express the hope that to them, the inspiring remembrance of his many virtues will be a consolation in their deep affliction.

FORM OF BEQUEST.

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

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