

THE  
American Museum of Natural History

CENTRAL PARK, NEW YORK CITY.

(77th Street and Central Park, West.)



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

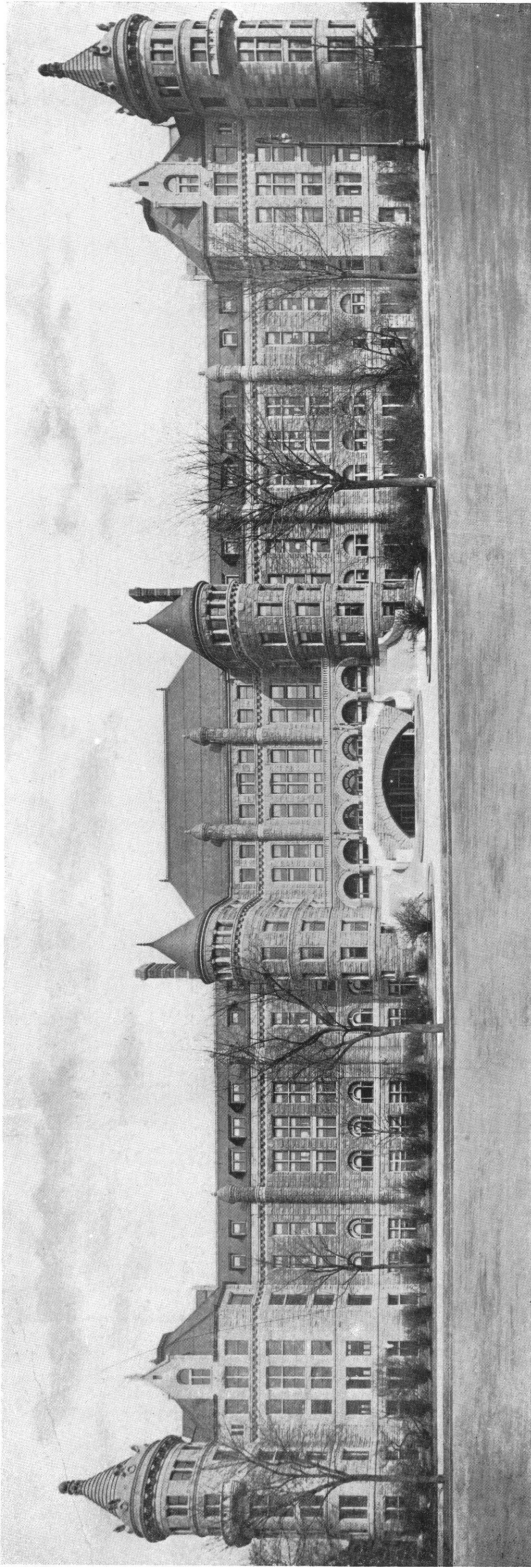
FOR THE YEAR 1899.

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AMERICAN MUSEUM OF NATURAL HISTORY  
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**THE**  
**AMERICAN MUSEUM OF NATURAL HISTORY.**



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NEW YORK:  
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FORM OF BEQUEST.

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

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## THIRTY-FIRST ANNUAL REPORT.

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

I take pleasure in presenting the following report of the operations of the Museum for the year closing December 31, 1899 :

FINANCES.—Your attention is invited to the Treasurer's report on pages 34, 35, 36 and 37. In response to a statement presented by me, showing the balances due on the purchase of collections, and the estimated deficit for maintaining the Museum during the year, the Trustees very generously subscribed the sum of \$68,500, as shown in detail in the Treasurer's report. I am gratified to record that the floating indebtedness of the Institution has been removed; the liberality of the Trustees has thus made it possible to extend its interests in the support of field work and the purchase of desirable material. The income of the Endowment fund has been depleted each year to make good the deficit in the cost of maintenance. From the time of opening the Museum to the close of this year \$241,283 have been diverted from this fund to make good the expense of maintaining the Museum in excess of the appropriations made by the city.

THE BOARD OF TRUSTEES.—At the annual meeting of the Board, held February 13th, Dr. Frederick E. Hyde was elected a Trustee, and subsequently made a member of the Executive Committee to serve for the term of five years.

On the closing page of this report will be found a resolution adopted by the Trustees in relation to the decease of our late associate, Cornelius Vanderbilt.

Mr. Vanderbilt was elected a Trustee in 1878, and actively served for eight years as a member of the Executive and Auditing

Committees. He was always zealous and punctilious in the performance of his duties as a Trustee, and generously coöperated in every project which would advance the interests of the Institution.

LEGISLATION.—Chapter 126 of the Laws of 1899, approved by the Governor March 23d last, authorizes the city to appropriate a further sum of \$40,000 for the maintenance of the Museum. I regret that it was not in the power of the Board of Estimate and Apportionment to grant an increase in the appropriation for the current year.

MEMBERSHIP.—Dr. Frederick E. Hyde, Mrs. John B. Trevor, Mr. John Belknap Marcou and Dr. Phillipe Marcou have been elected "Patrons." Mr. Robert S. Brewster became a "Fellow," and Messrs. James B. Ford, Morris Loeb, Grenville Lindall Winthrop, E. Dwight Church, Arthur Ryle, James Speyer, George C. Boldt, William L. Flanagan, August Belmont, James H. Hyde, J. Turner Atterbury, Norman Grant, Richard S. Lull, William R. Warren, Theodore Cooper and Mrs. Catharine L. Olmstead were elected "Life Members." The Museum has lost by death during the year, Cornelius Vanderbilt and Robert Bonner of its roll of "Patrons," and the following-named "Life Members": Theodore D. Howell, Francis P. Freeman, John King, James Low, John G. Moore, E. R. H. Lyman, Henry B. Plant, Fred F. Thompson, Charles E. Tilford, Albon W. Towne. The names of deceased annual members are also recorded at the close of the report.

The loss of annual members caused by death and resignation has been more than offset by new subscribers, and the year closes with an increase of seventy members.

JOHN B. TREVOR FUND.—It affords me pleasure to refer to the very generous gift of \$10,000, received from Mrs. John B. Trevor. With the consent and approval of the donor the sum was invested in securities to be designated "The John B. Trevor Fund," the income of which is to be expended in the discretion of the Trustees.

BEQUEST.—The will of the late Charles E. Tilford provides that the Trustees shall ultimately receive a bequest of \$25,000.

ADDITIONS TO THE BUILDING.—Early in the year the favorable conditions in the cost of building encouraged the Trustees to consider that the time was opportune for the completion of the east and west wing corners and the new Lecture Hall, and that the unexpended balances from the several appropriations would be sufficient to meet the cost of this work. We were disappointed in our expectations, however, owing to the rapid increase in the cost of labor and the great advance in the cost of iron construction. These conditions compelled the abandonment of the first series of plans and the preparation of a scheme modified to meet the situation. Specifications were prepared for the completion and equipment of the new Lecture Hall only; the present hall being inadequate to meet the increasing demands of the public. The contract was awarded to Thomas Cockerill & Son, they being the lowest bidder; and I am assured that the Lecture Hall will be completed during May, 1900.

TRANSPORTATION.—It is a pleasure to acknowledge the courteous and liberal assistance accorded the Museum by the following railroad companies: The Central Pacific, the Union Pacific, the Wabash and Missouri Pacific lines, the Canadian Pacific, the Chicago & Northwestern, the Atchinson, Topeka & Santa Fé, the Denver & Rio Grande, the Mexican Central, the Internacional, and the Erie. These corporations have substantially aided the work of our field parties in the Western and Southwestern States, and in British Columbia.

Early in the year an invitation to visit the Museum was extended to the President of the United States of Mexico, in anticipation of his proposed tour of our country; the visit was deferred owing to the pressure of his official duties. Secretary of State Mariscal and suite subsequently visited the Museum on October 18th, and were received and entertained on behalf of the Board of Trustees.

ATTENDANCE.—The number of visitors from January 1st to December 31st was 458,451. The report is very gratifying, inasmuch as we were obliged to close the Museum on Tuesday and Saturday evenings between May and October, in order to

make many needed alterations and repairs to the steam and electric lighting plant.

During previous years no record was kept of the number of school children visiting the Museum. This class of visitors became very noticeable in the early months of the year, and a card system was adopted showing the name or number of the school, whether a public or private school, the grade of the class and number of visitors, and the name of the teacher in charge. Desiring to afford these pupils the largest use of the collections, I gave instructions that classes with their teachers should have free admission on every day of the week regardless of the closed days. The results have been very gratifying.

From the date of the first record, May 20th, to December 31st, 2,988 scholars have visited the halls to study the specimens under the supervision and instruction of their teachers; the latter it is fair to assume also profited largely by the knowledge acquired. More than half of these scholars came from this city and the remainder from Brooklyn, Newburgh, Whitestone and Staten Island, while fifteen cities and towns in New Jersey contributed 638 of the total number.

ACCESSIONS.—A detailed list of accessions is appended in the later pages of this report. Bradford's well-known oil painting of "The *Polaris* in the Ice at Thank God Harbor," was presented to the Trustees by C. P. Huntington, Esq., and Mrs. Robert Woodworth presented a marble bust of "Milton"; these gifts are placed in the public reading room of the Library. The Peary Arctic Club of this city has donated a number of valuable specimens collected during the year by Lieut. Robert E. Peary in the Arctic regions, and brought here on the return of the supply vessel sent North during the summer. The American Ethnological Society of this city has permanently deposited its library with the Museum. The library numbers 750 volumes and 270 pamphlets, mostly referring to Ethnology and Archæology.

EXPEDITIONS.—Each year's work of the Museum in the field of exploration develops the importance of its expeditions in securing valuable material. The following brief summary of the reports of



the Curators in this connection will give a general idea of the results of the several expeditions during the past year.

THE JESUP NORTH PACIFIC EXPEDITION.—Dr. Berthold Laufer continued his work on the Amoor and returned to Japan early in November. According to last reports he was awaiting the arrival of his collections, which are to be shipped from Japan to the Museum. His reports indicate that the results of his investigations are of great importance. Dr. Laufer investigated thoroughly the Aino and Gilyak of the Island of Saghalin, and later he visited the Gold and Gilyak tribes inhabiting the banks of the Amoor. On his journey down the river he discovered interesting archaeological remains. His collections illustrate the industries, customs and beliefs of the peoples he visited ; he also secured much information relating to the native languages.

Mr. Harlan I. Smith spent five months on the coast of Washington and British Columbia continuing his investigations on the archæology of that region. The most important results of his journey are the establishment of the southern limits of North Pacific culture and of the distribution of cairn burial on Vancouver Island. He made an extensive collection illustrating the archæology of the Puget Sound region and of the interior of southern British Columbia, which is of great importance for a study of the distribution of the prehistoric tribes in that area.

Mr. George Hunt continued his work among the Kwakiutl tribes of northern Vancouver Island. He has sent an interesting collection of the ceremonial objects, tools and implements of that tribe, accompanied with full explanations.

Mr. James Teit visited the Lillooet tribe, and made a collection which shows the influence of the Coast tribes upon this people.

NORTH AMERICAN INDIAN RESEARCH.—A beginning has been made in the investigations on the Indian tribes of North America, with the special view of studying the vanishing customs of the Plains Indians. The results of these investigations are very encouraging, and it is to be hoped that the Museum may be able to continue and extend its work in this direction.

Through the generosity of Mr. C. P. Huntington an explorer was sent to California. The work was intrusted to Mr. Roland

B. Dixon, who investigated the Maidu Indians of northern California. The results of his work are an interesting collection of basketry, utensils and feather ornaments of these Indians, and a series of casts and photographs illustrating the type of people. Besides this, Mr. Dixon accumulated considerable material on the structure of the Maidu language and much ethnological information. In connection with the Huntington investigations in California an important collection of pottery of the Southwestern tribes was made by Mr. G. P. Winship.

A gift from Mrs. Morris K. Jesup enabled us to send another investigator to Indian Territory. Mr. Alfred L. Kroeber was charged with the investigation of the Arapaho Indians. He made a very important collection illustrating the ceremonials and the symbolism of the tribe which is of special value to this Museum. Mr. Kroeber's work is also of great scientific interest on account of the new information obtained in regard to the significance of decorative designs of the Arapaho. Mr. Kroeber also secured much linguistic material.

ESKIMO RESEARCH.—In 1897 a full list of desiderata and suggestions for enquiries was furnished to Capt. George Comer who was about to visit the west coast of Hudson Bay. Capt. Comer, in following out these suggestions, made an excellent collection illustrating the arts and customs of the Eskimo tribes which he visited at Chesterfield Inlet, Wager River and Southampton Island. The collection from the Southampton Island Eskimo is remarkable on account of the primitive character of the tribe, which has never been visited by whites and is still living in the stone age.

THE HYDE SOUTHWESTERN EXPEDITION.—The work of this expedition, which is entirely under the patronage of the Messrs. B. Talbot B. Hyde and F. E. Hyde, Jr., consisted in the further exploration of the ruins known as "Pueblo Bonito," in the Chaco Cañon, New Mexico; the exploration of several ancient burial sites near other ruins in the Chaco and adjoining cañons; the examination of ruins in the cañons, on the mesas, and in the cliffs, as part of a general survey of the archæology of the region included in the adjoining corners of Colorado, New Mexico, Utah

and Arizona. The Curator of the Department was in the field with this expedition for several weeks. The other members of the expedition for the season were Mr. F. E. Hyde, Jr., Mr. G. H. Pepper, Mr. Richard Wetherill, Prof. R. E. Dodge and Dr. A. Hrdlicka. To Professor Dodge was assigned the investigation of the geological and geographical conditions and a study of the geological evidence of the antiquity of the ruins with special reference to those in the Chaco Cañon. Dr. Hrdlicka was charged with the special work of securing human skeletons, and of making a study of the living Indians in the region, in order to obtain somatological data for comparison of the ancient with the modern peoples. Messrs. Pepper and Wetherill continued the special exploration of the ruins of Bonito, in which they have been so successfully engaged for the past three years. The Curator's time was devoted principally to a study of the facts relating to the antiquity of the ruins and to the cause of the desertion of this ancient pueblo by a once numerous and agricultural people, after so much labor had been expended in house building and in extensive irrigation. In addition to the very large collection of objects obtained by the parties attached to the expedition, there was also secured an exceedingly important collection from the ancient burial caves in Grand Gulch, the remains of a people evidently distinct from the builders of the ancient stone pueblos and cliff-houses.

**THE PERUVIAN EXPEDITION.**—The researches by Dr. Bandelier in Peru and Bolivia, of which mention has been made in past reports, have been continued during the year; a large shipment of specimens obtained from ancient sites in the vicinity of Lake Titicaca is now on its way to the Museum. This expedition was begun under the patronage of Mr. Henry Villard in July, 1892, and has since April, 1894, been continued by the Trustees of the Museum. The collection already received is very extensive, and illustrates the highest stage of civilization attained in prehistoric time in South America.

**THE EXPLORATION OF THE TRENTON GRAVELS AND OF THE DELAWARE VALLEY.**—This important research has been continued through the year by the generous patronage of Dr. F. E. Hyde. Mr. Ernest Volk has thus been able to continue his daily exam-

ination of the glacial gravel as it is removed by the railroad company, or of the underlying sand as it is dug away for the use of the potteries, or with his trowel to enlarge his trenches inch by inch. During this careful work numerous stone implements have been found *in situ* in what is admitted by several competent geologists to be the deposit made at the closing of the glacial period. He has also secured a portion of the scapula of a musk ox which was found in the sand layer underlying the true glacial gravel. On the first day of December last, Mr. Volk himself discovered and removed with his own hands a fragment of a human femur, which was *in situ* seven feet from the surface in the sand layer beneath the undisturbed glacial gravel, the true Trenton gravel of all geologists. Photographs and careful observations bearing on this most important discovery were made; and there seems to be no reason to doubt that this bone is as old as the deposit in which it was found. The bone is very white and chalky, and upon its surface can still be traced a number of striæ having the appearance of glacial scratches, like those on a highly polished pebble taken from the same layer a few feet distant. On December 6th Mr. Volk found three fragments of a portion of a human parietal in the talus about twenty-five feet from the spot where the femur was discovered *in situ*. These pieces of a human skull were lying on the recently fallen talus in such a position that it was evident they had been dislodged from the sand layer under the gravel. Like the femur, they are chalky, striated and slightly stained by iron derived from the gravel. The three pieces fit together and form part of a parietal bone. Mr. Volk has also discovered in one of his deep trenches, at about six feet from the surface, fragmentary remains of portions of three skeletons lying near together and below an unbroken, unmixed thin stratum of sand. The geological conditions relating to this discovery are not yet fully understood; but that the age of these skeletons is very great there can be no doubt. Mr. Volk has also been able to carry on an exploration of an Indian site on the lowlands near Trenton, from which he has obtained several skeletons in good condition, as well as a large quantity of artifacts of various kinds. It is hoped that Mr. Volk's employment in archæological researches in various parts of the upper Delaware valley may be continued.



ALL CONTAINED IN THE TUBAT COLLECTION, ILLUSTRATING THE PRE-HISTORIC SCULPTURES OF MEXICO AND CENTRAL AMERICA



ARCHÆOLOGICAL EXPLORATIONS IN NEW YORK.—By the assistance of Mr. Theodore Cooper and Mr. William R. Warren, several important explorations have been made within the city limits, at Croton Neck and at a few other places in the State. These explorations were intrusted mainly to Mr. M. Raymond Harrington. Mr. M. H. Saville made an exploration of an Indian site in Schoharie County, where he obtained a number of stone implements; but the explorations could not be carried on to the extent desired. In Pelham Park, on the shores of Pelham Bay, Mr. Harrington was successful in the exploration of an old Indian village site and burial-place, from which he obtained several Indian skeletons and many bones of animals which had been used for food; also pottery, stone implements, and various other objects. At Croton Neck there is a large artificial embankment connected with an Indian village site and burial-place. Here, by permission of the brick company owning the land, Mr. Harrington made extensive explorations. He found a number of skeletons of Indians, with many implements of stone and bone, considerable Indian pottery, and a few ornaments of Indian make. He secured also several objects which the Indians had obtained from the early settlers, showing that this site was occupied by the Indians until after the settlement of New York. Mr. Harrington also explored, in whole or in part, several shell-heaps. He examined, besides, a number of Indian sites in Westchester and Rockland counties and on Long Island. Altogether these explorations and examinations have added important and authentic material to our yet meagre collection illustrating the Indian occupation of New York and its vicinity. They have also proved that much can still be found if no time is lost in continuing the research.

RESEARCH IN FLORIDA.—In the spring of 1899, thanks to the kindness of Mrs. Esther Herrman, the Curator of the Department of Anthropology was able to give a few weeks to archæological and geological researches about Tampa Bay, Florida. By the assistance of Capt. B. Coe, who kindly put his steamer and dredges at the disposal of the Curator, the latter was able to have pass under his eyes a large amount of the phosphate material dredged from the bottom of the Alafia River. Brought up with the bones

of many extinct animals of late tertiary times, were several implements made of the bones of a large deer, and a few chips of chalcedony. While the discovery of these implements does not prove any geological antiquity,—since they may have been made from a still existing elk and have been washed into the river,—yet they are of interest in connection with the considerable number of bones and teeth of extinct animals which were obtained.

The material received from the special expeditions, to which reference has been made, the several exchanges and important collections purchased, and the numerous gifts of friends, have resulted in the greatest number of accessions ever received by the department in a single year. Over 16,000 entries, including several times that number of specimens, have been made during the year in the catalogue of the Department of Anthropology.

The past five years have exemplified what can be done in gradually forming in the various divisions of anthropology, collections that shall be worthy of this great Museum. Already the collections in archæology, ethnology and physical anthropology have placed the Museum in the very front rank in anthropology, while in several of its sections it is far in advance of all other museums. In other sections, however, it is still far behind in presenting the history of man and his works. While we should not curtail in the slightest degree any of the special work which, thanks to the patrons of the Museum, the department is now so successfully prosecuting, we must hope and strive for the means of doing similar work in other regions. Now is the time to make our utmost efforts to collect in various fields. Every year is making both archæological and ethnological research more difficult, and delay in the work means less results at greater cost. The archæology and ethnology of a large portion of America is inadequately or not at all represented in our collections, while our exhibits from Europe, Asia, Africa, Australia, and many of the Pacific Islands are very meagre. From all these regions we should have large collections, and for this work we must hope that special patrons will come to the assistance of the Museum.



Three expeditions were conducted by the Department of Vertebrate Palæontology as follows :

1. DINOSAURS.—The third expedition for Dinosaurs was conducted by Mr. Walter Granger under the direction of the Curator, in the Jurassic beds of Wyoming. Continued explorations of the famous "Bone Cabin Quarry" resulted in the discovery of 131 specimens of Dinosaurs, many of which were new to our collection. Nearby was found nearly one-half the skeleton of the largest Dinosaur known, the Brontosaurus, an extremely valuable accession. The party also secured part of the skeleton of a fossil crocodile and of an Ichthyosaur. Dr. W. D. Matthew rendered valuable assistance to this expedition. The Curator spent two weeks in the supervision of this work in the field. Prof. R. S. Lull, of Amherst, coöperated ably as a volunteer, and has since been made a life member of the Museum.

2. MAMMALS.—The eighth expedition for fossil mammals was conducted by Mr. J. W. Gidley in northern Texas. These beds have been very little explored, and we secured a remarkable collection including five more or less complete skeletons of the fossil horse, the last representative of its race, greatly needed to illustrate the evolution of horses in America. Also the fore limb of a Mammoth, a considerable part of the skeleton and a complete skull of a Mastodon, all beautiful exhibition material.

3. PATAGONIA.—The Patagonian Expedition was continued by Mr. Barnum Brown, who has reported frequently upon his very successful work. Fourteen boxes of fossils have been received at the Museum, and Mr. Brown has been directed to return to work this material up and receive more specific instructions for his future work. He reports a fine lot of material, which will supplement our purchase of the Cope Pampean Collection in giving us the history of the life upon our sister continent.

ZOOLOGICAL EXPEDITIONS.—The Museum has received during the year important collections from the James M. Constable Expedition to the Northwest Territory and Arctic America, conducted by Mr. A. J. Stone, including a fine series of specimens of the Arctic White Sheep, and a number of specimens of a new species

of Caribou, as well as many small mammals, several of which proved new to science. Not less important are the geographical results of Mr. Stone's work, and the large amount of information he obtained respecting the distribution and habits of the large mammals of the far North. It is hoped that means will be found for continuing Mr. Stone's work during the coming year.

Explorations in the United States of Colombia, conducted by Mr. Herbert H. Smith, and made practicable by the support afforded the Expedition by the President, have resulted in the addition of one of the finest and largest collections of mammals ever collected at any single locality in South America, and a very large and exceedingly valuable collection of birds. Provision has been made for the continuation of the work for another year.

Arrangements have also been made for extensive zoölogical work during the next two years in Eastern Siberia, an experienced zoölogical collector having been detailed to accompany the field party of the Jesup North Pacific Expedition assigned to this section of the work.

DEPARTMENT OF ANTHROPOLOGY.—In the Department of Anthropology a large amount of work has been accomplished during the year, both in the field and in the Museum. The several expeditions have brought in a mass of material collected by trained archæologists and ethnologists. The specimens thus collected are of great scientific importance, as every object is authentic, illustrates some particular phase of the status of culture of extinct or present tribes, and furnishes the means of comparative study and the determination of relationships of the various peoples. The illustration of the life history of the various groups of man is thus constantly being developed in the Museum, as collection after collection is arranged and brought into its proper place in the exhibition halls.

During the year the north ethnological hall (No. 106) has been arranged so as to show in an instructive manner the great mass of material illustrating the archæology and ethnology of the northwestern portion of America. The cases in the western part

of the hall are filled with collections secured by the Jesup North Pacific Expedition on the Island of Vancouver and in British Columbia and Alaska; the other collections from the same region are so arranged as to particularly illustrate different subjects pertaining to the manufactures, arts, ceremonies and mode of life of the people. This hall was re-opened to the public on Thanksgiving Day.

In December the arrangement of the west hall (No. 408) on the fourth floor was completed, and it was immediately afterward thrown open to the public. This hall is devoted to the archæology of Mexico and Central America, and contains the instructive and imposing series of casts presenting in fac-simile the great stelæ, altars and other large stone sculptures, and many slabs with finely carved bas-reliefs. The numerous hieroglyphic inscriptions on these sculptured stones, the representations of mythical animals and the symbolic carvings, furnish a mass of material for the study of the ancient civilizations of Mexico and Central America which is unsurpassed in any museum. Added to this are many original specimens of sculptured stones, of pottery and of ornaments, together with a remarkable collection of carvings and ornaments of jadeite and an exhibit of copper objects. To further facilitate the study of the Mexican pictograph writing and the Maya hieroglyphs, there are here placed on exhibition reproductions of a number of ancient Mexican and Maya codices. The student is thus provided in this single hall with materials for study which, before this collection was brought together, he could not have seen except by traveling long distances in America and Europe in order to find a sculpture here and a codex there. In this hall he can compare the objects directly one with another as he carries on his investigations. It is unquestionably an unequalled exhibit for the encouragement of research,—one that will naturally lead to the further study of ancient American civilizations. As the difficulty of securing such material increases from year to year, the value of such a collection is correspondingly enhanced. We are greatly indebted to the Duke of Loubat, the generous patron who has made it possible for the Museum to make this unique exhibit,—the most important collection in existence for the study of the ancient civilizations of Mexico and Central America.

The west hall (No. 308) on the third floor, containing the South American exhibits, and the west ethnological hall (No. 109) on the first floor, in which are arranged the collections relating to the Indian tribes of North America and to the Eskimo, are in a forward state of preparation for final opening. The cases in the west hall (No. 210) on the second floor are still in process of construction. In this hall will be placed the collections illustrating the archæology and ethnology of the pueblo peoples of the Southwest, the archæological collections from the mounds, and from prehistoric village sites and burial-places, in the central and eastern United States.

DEPARTMENT OF GEOLOGY AND ASSOCIATED DEPARTMENTS.—  
The Curator's report shows that a large amount of work has been done in this department.

In the geological hall a new method of installation was tried in one of the cases. The general appearance of small dull-colored geological specimens set in white cardboard trays with white labels is not pleasing, and so experiments were begun with the purpose of improving it. In the experimental case prepared during the year by Dr. Hovey, the cardboard trays were dispensed with and the specimens placed on light buff card tablets with the labels of the same color. Black wooden strips served to break up the shelf into agreeable areas. The card tablets were made to exactly cover the shelves. It was then decided to experiment with the French gray color in the adjoining wall and desk cases. In this instance the card tablets used were of uniform size with the ordinary trays, an arrangement which makes them interchangeable and avoids the frequent disarrangement of a large area of specimens.

The two new desk cases of a larger pattern, constructed for the alcoves in the palæontological hall, provided room for an expansion and better display of their contents. This treatment should be adopted in all the alcoves; the old and unsatisfactory cases should be discarded.

Much has been done in the way of labeling in other parts of the collection. Besides the rearrangement of the specimens as stated, 2,435 new labels have been added. Much attention has been

given, during the year, in working over the collections of fossils, obtained in the past by donation, exchange and purchase, but stored for lack of case room.

The cataloguing of the type specimens in this hall has steadily progressed, and it is estimated that the work will extend over the coming two years.

Space has been provided for the expansion of the Mineral collection by the removal of the alcoholic specimens to a case in the vestibule of the fifth floor, where they are stored pending their permanent installation elsewhere.

No important additions have been made to the collection of Gems, with the exception of a very fine pearl and an ounce of Klondike gold nuggets.

The Curator strongly recommends the formation of a collection of month or birth stones, mottoes, regard and other sentimental series, as a popular supplement to the Gem collection. Another series pertaining to religion could be added. These series would illustrate the sentimental use to which gems and gem stones have been put by different nations and religions at different periods of history, and would present a feature of general and educational interest.

A large portion of the collection of Shells has been removed from the central hall to the main hall of the fifth floor. All of the D. Jackson Steward collection was thus removed and placed in five of the upright cases and four desk cases. The collection has been arranged on sloping shelves covered with dark-green cloth. This forms a background of dark color, which throws the varied hues of the shells into stronger relief.

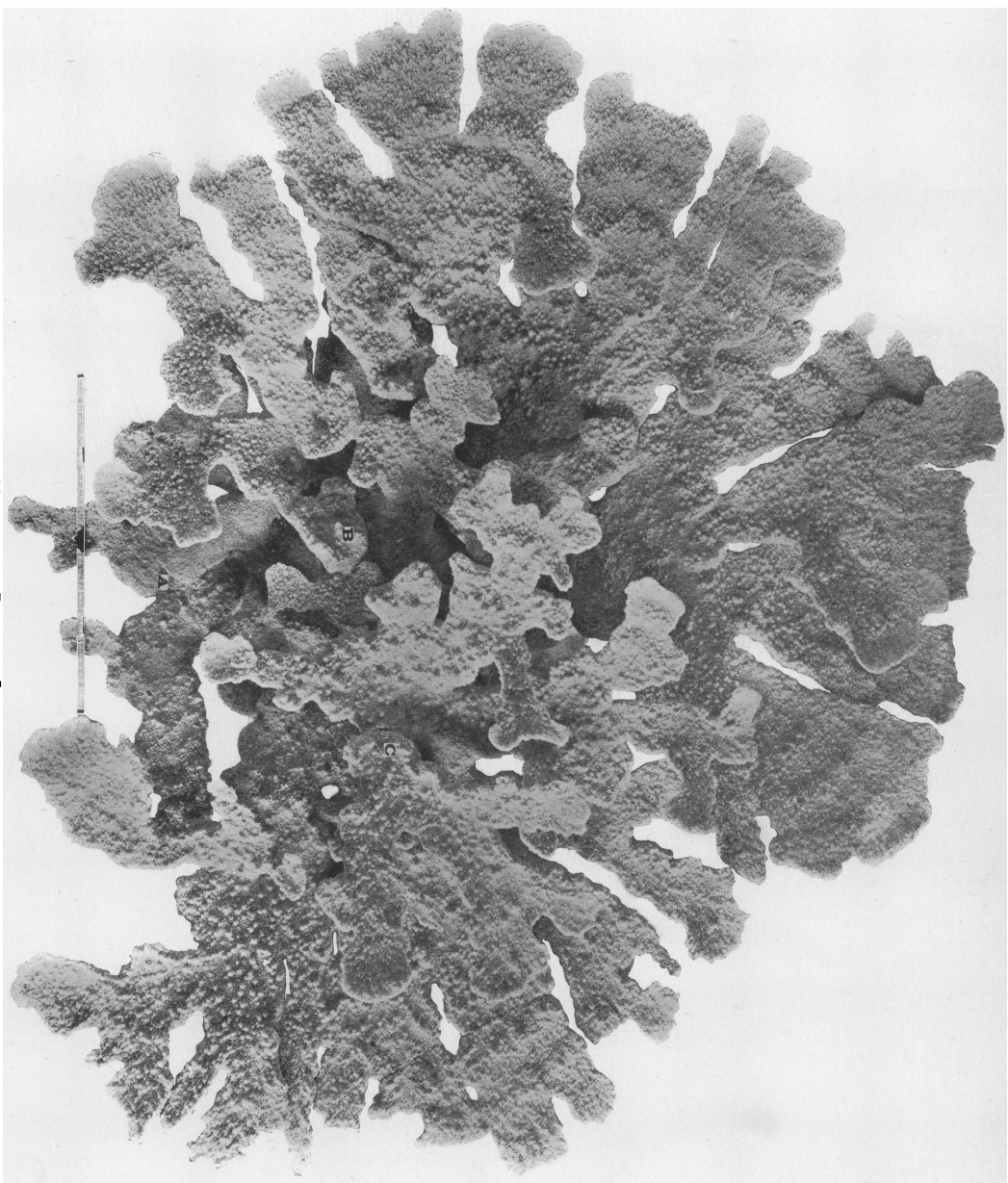
The principal and most notable accession is the Terrell Collection of Fossil Fishes from Ohio, which was very kindly donated by William E. Dodge, Esq.

Three important meteorites and two fine slabs of polished spheroidal granite from Finland were added by purchase. A showy collection of minerals was also purchased with funds donated for the purpose by Miss Matilda W. Bruce, and a collection of characteristic minerals of New York was presented by Mr. Ernest Schnernikow, of this city.

THE DEPARTMENT OF VERTEBRATE ZOÖLOGY has received 1,108 mammals, 3,139 birds, about 1,200 reptiles and 23 fishes. The most important additions have been received from the Jesup and Constable expeditions, and from Colonel Nicolás Pike, who has kindly presented to the Museum his large collection of New York reptiles. We have also received a number of valuable specimens in the flesh from the New York Zoölogical Park and from the Central Park Menagerie. The accessions greatly exceed those of any recent year, and include not only a large amount of material for exhibition, but many mammals from tropical and arctic America wholly new to science. About forty mammals, mostly large specimens, have been added to the exhibition series. These include a number of rare African Antelopes, and also Deer, Peccaries, and other mammals from South America. Six groups for the collection of New York Mammals have been completed and two others remodeled for this collection. There are now fourteen of these groups finished and on exhibition, and work on the others is steadily progressing.

About one hundred birds have been added to the exhibition collection, and also several new bird groups, including as the most notable the large Brown Pelican group. The "Local Collection of Birds," which includes the species found within fifty miles of New York City, has been installed and forms one of the most instructive features of the department. Besides representing nearly all of the birds found in this immediate region, there are special cases devoted to the birds found here at particular seasons, the specimens being changed from month to month in order to show just what birds are present with us at any given season of the year. This arrangement proves very serviceable to local bird students, who thus have only a few specimens to pass in review in their search for any particular species. Considerable material has been gathered for additional bird groups, and several thousand specimens of birds have been received from South America, which furnish many desirable species for mounting.

In the DEPARTMENT OF VERTEBRATE PALÆONTOLOGY, 1899 has been a notable year, especially in the munificent gift of the Cope Collection of North American Fishes, Amphibians and Rep-



MADREPORA PALMATA LAMK:

Collected at Nassau, N. P. Bahama Islands





tiles by the President, and of the Cope Collection of Pampean Mammals, by Messrs. Havemeyer, Dodge, James, Iselin, Constable and Osborn. The acquisition of these collections connects the Palæozoic with the Age of Man and the Department of Anthropology.

We greatly regret to record the resignation of Dr. J. L. Wortman, who has served the Department since its inception, with great care, ability and energy. His untiring devotion to the field work, especially in the leadership of all parties to the Rocky Mountain regions between 1890 and 1898 inclusive, is shown in the unrivalled collection now on exhibition in the Tertiary Hall, and also in the rich study series reserved in the Department. The Curator takes great pleasure in acknowledging this splendid service. A special chart placed in the Exhibition Hall, showing the various Museum expeditions in which Dr. Wortman had charge of the field parties, will constitute a permanent record of his services. Dr. Wortman's resignation has led to the promotion of Dr. W. D. Matthew to the First Assistant Curatorship, and to the call of Dr. O. P. Hay from Washington as Second Assistant Curator. The Reptile field work has been placed in the hands of Mr. Walter Granger, and the mammal field work in charge of Mr. J. W. Gidley.

In previous reports the importance of exchanges with foreign museums has been dwelt upon, and it is gratifying to us, that at last this branch of our work is well under way. During the past year we have received valuable collections from the following institutions:

From the Royal Saxon Geological Survey, 29 skeletons of Amphibians.

From the Museum of the Kingdom of Bavaria, Prag, casts of 20 fossil vertebrates.

From the Museum of Natural History, Lyons, casts of 3 and original specimens of 10 species of fossil mammals.

From the Museum of Palæontology, Paris, casts of 5 specimens of fossil mammals. (Second shipment).

From the Museum of the University of Lyons, 47 specimens of fossil mammals. Very valuable and interesting.

From the Royal Bavarian Museum, Munich, casts of 7 specimens of fossil vertebrates.

All of these specimens will be of great value to our Exhibition Hall. In return we have sent out collections which are highly appreciated and will carry the name and work of the Museum abroad.

Steady progress has been made in the Exhibition Hall. The Curator especially calls attention to the mammoth sea lizard skeleton and seven complete limbs and a number of other specimens of Dinosaurs; also to a beautiful slab of rock from Colorado, containing the skulls and skeletons of five fossil mammals, making a rare and beautiful exhibit; also finally to many new smaller installations.

Photography has become of increased importance both in connection with exhibition and publication. We have now developed an almost perfect system of photography. Our field negatives are systematically arranged in large albums, and the negatives duly numbered as the permanent property of the Museum. Enlargements are used in the cases showing the process of discovery and excavation of the specimens in the field, and photographs are used in connection with descriptive labels to illustrate typical specimens in the several departments.

DEPARTMENT OF ENTOMOLOGY.—The Hoffman collection of South American and Indian Butterflies has been placed on exhibition. The Rev. Dr. Hoffman has donated 300 additional specimens during the year.

The Local Collection of Insects has been transferred from the north wing to the gallery of the main building (No. 304). Over 5,000 specimens have been added to the collection, which now contains about 75,000 specimens. About 2,000 more are ready to be added as soon as the species can be identified. As it stands at present, lacking the complete life histories of the insects, the collection leaves much to be desired both from the scientific and educational standpoints. In the east wing (No. 302) about 500 new specimens have been placed on exhibition. The important study collection of Beetles is being assorted and properly arranged. All the collections have been examined and poisoned, to insure

their safety from destructive influences. About 1,000 specimens have been obtained through work in the field. The entomological collections will shortly be installed in more permanent quarters.

**LIBRARY.**—The librarian reports accessions during the year equal to 1,841 volumes. This is only about a third of what was received last year. The total number of volumes now in the Library is 43,532.

A partial list of the numbers wanted to complete the serial publications of the various geological surveys and scientific societies has been distributed to the State libraries and geological surveys. The results obtained have been very satisfactory.

The work of incorporating the Marcou library with the rest of the library is now well advanced. Besides its great value as a whole, this accession fills many existing gaps in serial publications which we already have.

**DEPARTMENT OF PUBLIC INSTRUCTION.**—Under the auspices of the State Superintendent of Public Instruction, Prof. A. S. Bickmore, the Curator in charge of this department, has delivered to the teachers of the public schools of the greater city of New York the usual courses of lectures. Professor Bickmore has also given lectures on holidays, as provided in the contract between the Museum and the State Superintendent of Public Instruction, Hon. Charles R. Skinner.

Two courses of four lectures each were delivered by Professor Bickmore to the members of the Museum. The free public lectures given under the auspices of the Board of Education have been attended by crowded audiences. Several hundred persons were unable to gain admission at each lecture. The new lecture hall, now nearing completion, will provide much additional space, and will obviate the discomfort of crowded audiences.

Several other courses of lectures were delivered under the auspices of Columbia University and other institutions. These are noted in the appended list.

*Report of the President.*LECTURES TO THE TEACHERS OF THE PUBLIC SCHOOLS  
BY PROF. ALBERT S. BICKMORE.*Spring Course, 1899.*

- Jan. 21, 28.—Newfoundland and Labrador.  
 Feb. 4, 11.—Gulf and River of St. Lawrence.  
 “ 18, 25.—Lakes Ontario and Erie.  
 Mar. 4, 11.—Lakes Huron and Superior.  
 “ 18, 25.—Central California—San Francisco and Yosemite Valley.

*Autumn Course, 1899.*

- Oct. 14, 21.—The Philippines—Manila and the Tagals.  
 “ 28, } —The Philippines—The Visayans and Sulus.  
 Nov. 4, }  
 “ 11, 18.—The Hawaiian Islands—Honolulu.  
 “ 25, } —The Hawaiian Islands—Hawaii.  
 Dec. 2, }  
 “ 9, 16.—Southwestern Alaska and Klondike.

*Holiday Course, 1899.*

- New Year's Day.—Jamaica and Porto Rico.  
 Washington's Birthday.—Russia—St. Petersburg and Moscow.  
 Thanksgiving Day.—The Philippines—Luzon and Manila.  
 Christmas.—The Philippines—The Visayans and Sulus.

## MEMBERSHIP COURSE—PROF. ALBERT S. BICKMORE.

*Spring Course.*

- Feb. 16.—Newfoundland and Labrador.  
 “ 23.—Gulf and River of St. Lawrence.  
 Mar. 2.—The Great Lakes.  
 “ 9.—Central California—San Francisco and Yosemite Valley.

*Autumn Course.*

- Dec. 7.—The Philippines—Manila and the Tagals.  
 “ 14.—The Philippines—The Visayans and Sulus.  
 “ 21.—The Hawaiian Islands—Honolulu.  
 “ 28.—The Hawaiian Islands—Kilauea and Haleakala.

## COLUMBIA UNIVERSITY COURSE.

- |   |                         |
|---|-------------------------|
| Jan. 7.—The Geography and Geology of the Great Lakes.....   | } Prof. R. S. Woodward. |
| “ 14.—The Geodesy and Hydrography of the Great Lakes.....   |                         |
| “ 21.—The Climatology and Commerce of the Great Lakes.....  |                         |
| “ 28.—Boiling and Freezing.....   |                         |
| Feb. 4.—The Transmission of Light in Crystals.....  | Prof. M. I. Pupin.      |
| “ 11.—The Characters of Minerals in Rock Sections..   | Dr. Lea McI, Luquer.    |
| “ 18.—The Methods Employed in the Investigation of Minerals, Especially Their Application to the Identification of Species. | Prof. S. L. Penfield.   |
| “ 25.—Testing Minerals.....   | Prof. Alfred J. Moses.  |
| Mar. 4.—The Newer Gold Regions of the West. Cripple Creek, Col.; Mercur, Utah; The Black Hills, S. D.; The Yukon Basin.     | Prof. J. F. Kemp.       |
| Mar. 11.—Gold and Silver Mines of Montana.....  | Mr. Walter H. Weed.     |
| “ 18.—Clay and Its Uses.....  | Dr. Heinrich Ries.      |
| “ 25.—The Geology of Petroleum.....   | Dr. David T. Day.       |

- Dec. 2.—Down the Cañons of the Colorado River with Major Powel, with Geological Observations by the Way..
  - “ 9.—The Dynamic Geology of the Grand Cañon Region and a Descent from the “ Rim ” to the River on all the Trails.....
  - “ 16.—The Painted Desert and Its Surroundings. Including the San Francisco Mountains, the Lava Flows of Northern Arizona, the Cañon of the Colorado Chiquito, the Petrified Forest, etc.....
  - “ 23.—The Mesas of Acoma, Zuni and Moki, with Indian Legends of Awatobi, Tai-yo-al-a-ni, Katzimo, Cibolleta and Mount San Mateo.....
  - “ 30.—The Cañons of the Cliff Dwellers, De Chelly, Del Muerto, Colorado Chiquito, Walnut, Havasu and Shinumo.....
- } Mr. George Wharton James.

SATURDAY AFTERNOON COURSE BY THE STAFF OF THE MUSEUM.

- Jan. 7.—An Exploration for Dinosaurs in the Rocky Mountain Plateau Region.....Dr. J. L. Wortman.
- “ 14.—A Hunt for Fossil Camels and Horses in Kansas and Colorado.  
Dr. W. D. Matthew.
- “ 21.—The Bird Rocks of the Gulf of St. Lawrence..Mr. Frank M. Chapman.
- “ 28.—Explorations of Zapotecan Tombs of Southern Mexico.  
Mr. H. H. Saville.
- Feb. 4.—The Jesup North Pacific Expedition : Archæological Exploration in British Columbia.....Mr. Harlan I. Smith.
- “ 11.—The Jesup North Pacific Expedition : The Indian Tribes of the State of Washington.....Dr. L. Farrand.
- “ 18.—Rocks of the State of New York as Illustrated in the Museum.  
Mr. L. P. Gratacap.
- Mar. 4.—The Squirrels of North America.....Dr. J. A. Allen.
- Feb. 25.—A Collecting Trip in Europe.....Dr. E. O. Hovey.
- Mar. 11.—The Life Histories of Butterflies of the Vicinity of New York.  
Mr. Wm. Beutenmüller.
- “ 18.—The Hyde Expedition : Exploration of the Ruins of the Pueblo of Bonito, New Mexico.....Mr. George H. Pepper.
- “ 25.—Peoples of Asia : The Philippines to Japan..Prof. Albert S. Bickmore.

BOARD OF EDUCATION LECTURES.

- Jan. 10.—Picturesque Sweden.....Mrs. J. H. Gore.
- “ 17.—Within the Arctic Circle.....Prof. J. H. Gore.
- “ 24.—England.....Mr. Wm. Freeland.
- “ 31.—Andreas Hofer and the Tyrol.....Mr. W. D. McCrackan.
- Feb. 7.—The Rhine and the Black Forest.....Prof. H. E. Northrop.
- “ 14.—Glimpses of Quaint Old Holland : Its People and Customs.  
Mr. Myers R. Jones.
- “ 21.—Modern Greece.....Mr. J. P. Leotsakos.
- “ 28.—Among the People of the Balkans... Mrs. Emma Paddock Telford.
- Mar. 7.—The National Yellowstone Park.....Mr. John Hutchison.
- “ 14.—The Yosemite Valley.....Miss Mary V. Worstell.
- “ 21.—Colorado and the Grand Cañon.....Mr. Th. Douglas.
- “ 28.—Cuba : Havana and Santiago.....Mr. Walter P. Terry.

Apr.	4.—North Atlantic Ocean : The Bermudas.....	Mr. H. L. Bridgman.
"	11.—The West Indies.....	Mr. George Donaldson.
"	18.—Jamaica and Porto Rico.....	Mr. F. S. Dellenvaugh.
"	25.—Hawaii : Our Pacific Paradise.....	Mr. R. S. Dawson.
Oct.	10.—Porto Rico.....	Miss Anne Rhodes.
"	17.—Naval Gunnery in the Spanish-American War..	Lieut. G. L. Carden.
"	24.—Life in the Philippines..	Mr. Fritze Andreea and Wm. H. Reeves, Jr.
"	31.—Paris and Her Suburbs.....	} Mr. H. E. Northrop.
Nov.	7.—Paris and Her Suburbs.....	
"	14.—La Belle France.....	Mr. R. S. Dawson.
"	21.—Holland.....	Mr. W. E. Griffis.
"	28.—Venice.....	Mr. Jesse L. Hurlbut.
Dec.	5.—Finland.....	Mr. H. Montague Bonner.
"	12.—The Transvaal.....	Dr. John C. Bowker.

THE NEW YORK ZOÖLOGICAL SOCIETY.

Jan.	12.—The Zoölogical Parks of Europe and the New Zoölogical Park of New York City.....	Prof. Henry F. Osborn.
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THE NEW YORK BOTANICAL GARDEN.

Apr.	13.—The Royal Botanical Gardens at Kew, England.	Prof. Lucien M. Underwood.
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THE LINNÆAN SOCIETY OF NEW YORK CITY.

Jan.	19.—A Naturalist in Florida.....	Mr. Frank M. Chapman.
"	26.—A Naturalist in Labrador.....	Dr. Robert T. Morris.
Feb.	2.—A Naturalist on the Pacific Coast.....	Dr. Bashford Dean.
"	9.—A Naturalist in Wyoming.....	Mr. Ernest Seton Thompson.

Apr. 19. } Sixth Annual Reception of the New York Academy of Sciences.  
 " 20. }

Mar. 23.—Second Annual Meeting of the Audubon Society of the State of New York.

ATTENDANCE AT LECTURES.

Teachers' Lectures (Saturday, A. M.)—January 21st to December 16th, 1899.....	13,525
Holiday Lectures—January 2d to December 25th, 1899.....	3,391
Saturday Evening Lectures (Columbia University)—January 7th to December 30th, 1899.....	5,371
Botanical Lecture—April 13th, 1899.....	420
Linnæan Society Lectures—January 19th to February 9th, 1899.....	2,658
Membership Lectures—February 16th to December 28, 1899.....	4,991
New York Zoölogical Society Lecture—January 12th, 1899.....	460
Board of Education Lectures—January 10th to December 12th, 1899..	32,191
Saturday Afternoon Lectures (Curators' Course)—January 7th to March 25th, 1899.....	3,042
	<u>66,049</u>

PUBLICATIONS.—The publications of the Museum issued in the past year greatly exceed those of 1898, and include the following : Vol. XII of the Bulletin, consisting of pages i-xii, 1-342, with 14 plates and 102 text figures ; Part II of Volume XI of the Bulletin, pages 73-188 ; Parts IV and V of Volume I of the Memoirs, pages 167-214, with plates xxi-xxviii, and 26 text figures ; Parts

III and IV of Volume II of the Memoirs, pages 129-392, with plates xiii-xx and 315 text figures; Part I of Volume III of the Memoirs, consisting of 228 pages, with 4 plates, and 291 text figures (still in press, though nearly completed). The list of articles published in 1899, arranged by departments, is as follows :

## DEPARTMENT OF INVERTEBRATE PALÆONTOLOGY.

Observations on some "Mud Flow" Markings on Rocks from near Albany, N. Y. By R. P. Whitfield. (Bull. XII, pp. 183-188, 3 text figures.)

Note on a Calcite Group from Bisbee, Arizona. By E. O. Hovey. (Bull. XII, pp. 189-190, pl. viii.)

Notice of two very large Lobsters in the Collection of the American Museum of Natural History. By R. P. Whitfield. (Bull. XII, pp. 191-194, pl. ix.)

Catalogue of the Types and Figured Specimens in the Palæontological Collection of the Geological Department, American Museum of Natural History. By R. P. Whitfield, assisted by E. O. Hovey. (Bull. XI, pp. 73-188.)

## DEPARTMENT OF VERTEBRATE ZOOLOGY.

On Mammals from the Northwest Territory, collected by Mr. A. J. Stone. By J. A. Allen. (Bull. XII, pp. 1-10.)

Descriptions of Five New American Rodents. By J. A. Allen. (Bull. XII, pp. 11-18.)

Descriptions of Three New Squirrels from South America. By E. W. Nelson. (Bull. XII, pp. 77-80, 1 text figure.)

Descriptions of Five Apparently New Birds from Venezuela. By Frank M. Chapman. (Bull. XII, pp. 153-156.)

Descriptions of Three New Free-Tailed Bats. By Gerrit S. Miller, Jr. (Bull. XII, pp. 173-181, 3 text figures.)

New Rodents from Colombia and Venezuela. By J. A. Allen. (Bull. XII, pp. 195-218.)

Report on Birds Received through the Peary Expeditions to Greenland. By Frank M. Chapman. (Bull. XII, pp. 219-244, 8 text figures.)

History and Character of the Family Natalidæ. By Gerrit S. Miller, Jr. (Bull. XII, pp. 245-254, pl. x.)

Description of Two New Subspecies of *Colymbus dominicus* Linn. By Frank M. Chapman. (Bull. XII, pp. 255, 256, 1 text figure.)

The Generic Names *Echimys* and *Loncheres*. By J. A. Allen. (Bull. XII, pp. 257-264.)

## DEPARTMENT OF VERTEBRATE PALÆONTOLOGY.

A Provisional Classification of the Fresh-Water Tertiary of the West. By W. D. Matthew. (Bull. XII, pp. 19-76.)

The Ancestry of Certain Members of the Canidæ, the Viverridæ, and Procyonidæ. By J. L. Wortman and W. D. Matthew. (Bull. XII, pp. 109-138.)

Restoration of *Oxyæna lupina* Cope, with Descriptions of Certain New Species of Eocene Creodonts. By J. L. Wortman. (Bull. XII, pp. 139-148, 10 text figures.)

Fore and Hind Limbs of Carnivorous and Herbivorous Dinosaurs from the Jurassic of Wyoming. By Henry Fairfield Osborn. (Bull. XII, pp. 161-172, 8 text figures.)

A Complete Mosasaur Skeleton, Oseous and Cartilaginous. By Henry Fairfield Osborn. (Mem. I, Part IV, pp. 165-188, pl. xxi-xxiii, 14 text figures.)

The Skeleton of *Diplodocus*. By Henry Fairfield Osborn. (Mem. I, Part V, pp. 189-214, pl. xxiv-xxviii, 14 text figures.)

#### DEPARTMENT OF ANTHROPOLOGY.

Description of an Ancient Anomalous Skeleton from the Valley of Mexico ; with Special Reference to Supernumerary and Bicipital Ribs in Man. By Dr. Aleš Hrdlička. (Bull. XII, pages 81-108, pll. i-v, 10 text figures.)

The Eskimo of Smith Sound. By A. L. Kroeber. (Bull. XII, pp. 265-328, pl. xi-xiv, 54 text figures.)

Archæology of Lytton, British Columbia. By Harlan I. Smith. (Mem. II, pp. 129-162, pl. xiii, 117 text figures.)

The Thompson Indians of British Columbia. By James Teit. Edited by Franz Boas. (Mem. II, pp. 163-193, pl. xiv-xx, 198 text figures.)

Symbolism of the Huichol Indians. By Carl Lumholtz. (Mem. III, pp. 1-228, pll. i-iv, 291 text figures.)

#### DEPARTMENT OF ENTOMOLOGY.

Synopsis of the Species of *Melittia* of America, North of Mexico, with Description of a New Species. By William Beutenmüller. (Bull. XII, pp. 149-152.)

Some Species of North American Lepidoptera. By William Beutenmüller. (Bull. XII, pp. 157-160.)

Several papers for the Bulletin and Memoirs are well under way, including a Monograph of the Sesiidæ by Mr. Beutenmüller, with several colored plates, for Volume I of the Memoirs. Owing to lack of funds for the publication of all the material that has been prepared relating to the work of the Museum, several papers have been published in other scientific journals, by permission of the Museum authorities.

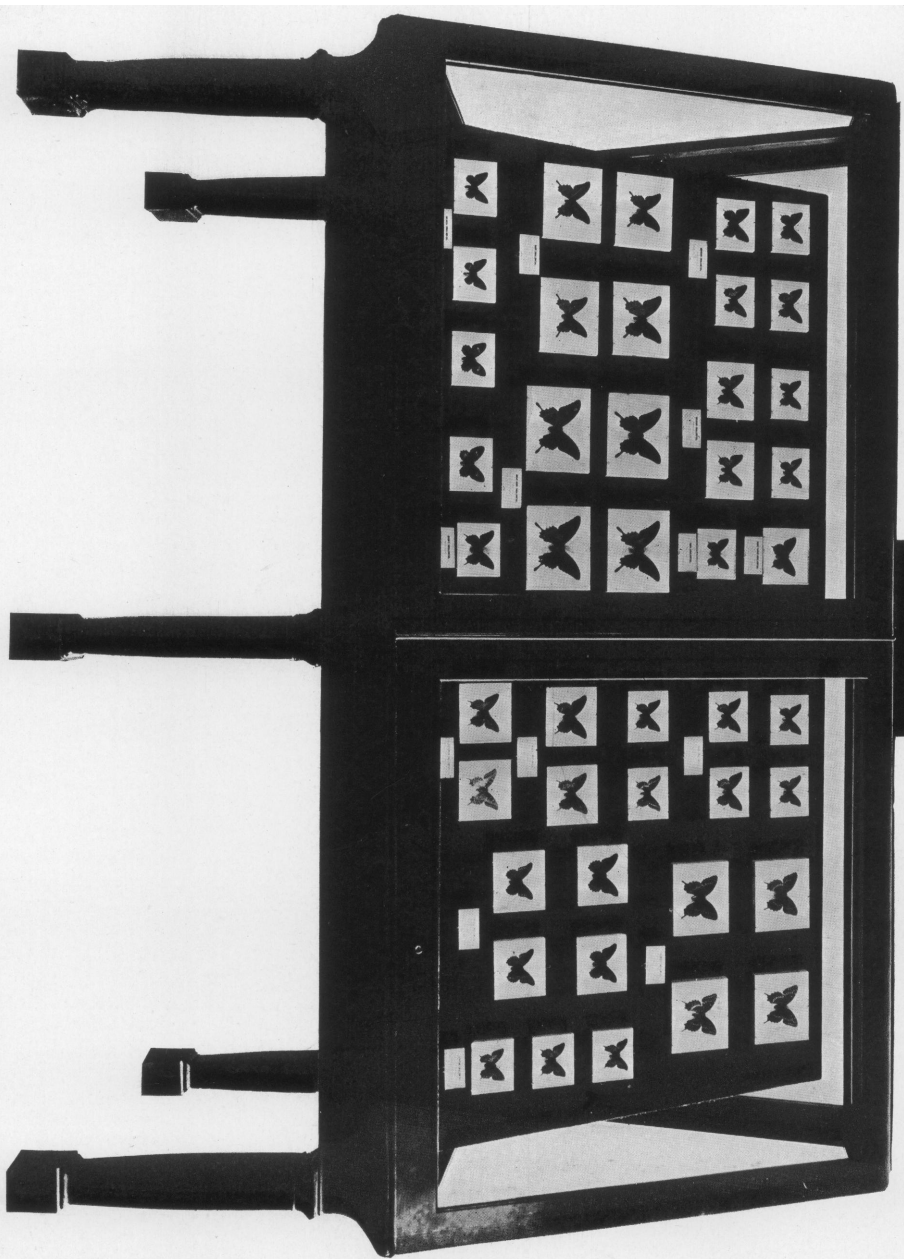
Early in the coming year the publication of a periodical, to be called "The American Museum Journal," will be commenced. It will contain short articles relating to the past and present work of the Museum, and is intended to keep the members informed respecting the work carried on in the several departments.

I take pleasure in calling the attention of the members of the Museum to the important results of the various expeditions during the past year. In some instances the work has been supported from the funds of the Museum, but in the main, the cost of field research has been met by private contributions.

A very encouraging beginning has been made in the investigation of some of the Indian tribes of California and the Indian Territory ; an extended reference to which is made in a preceding



THE UNIVERSITY OF MICHIGAN  
MUSEUM OF ZOOLOGY  
ANN ARBOR, MICHIGAN 48106-1103



SPECIMEN CASE OF HOFMAN COLLECTION OF BUTTERFLIES



page of this report. The marked success already achieved has prompted the donors to increase their contributions for the coming year; and I am gratified to add that another friend of the Museum has generously subscribed a sum for the extension of the field work among the Indian tribes of Oregon and Washington.

The rapid expansion of our collections more than keeps pace with the recent additions to the building, and it is manifest that the space available for exhibition is already inadequate for the material now on hand. In this connection, it should be remembered that the accessions to the collections from all sources steadily increase with each succeeding year.

We are indebted to the municipal authorities for their cordial coöperation with our efforts to complete the recent extensions of the building; likewise, for an increase of the annual appropriation, as authorized in the law enacted by the Legislature in March last.

I have heretofore dwelt on the necessity for a largely increased Endowment Fund, and I trust that in the near future this much-desired result may be accomplished.

I desire to record an expression of my earnest appreciation of the generous aid and coöperation which I have received from my colleagues.

On behalf of the Trustees I extend their thanks to those members and friends who have aided the Museum during the year by contributions of money or specimens.

To the Curators and their assistants, and others in charge of the several departments, my thanks are due for the praise-worthy manner in which they have carried on the work assigned to them.

MORRIS K. JESUP,

*President.*

*MAINTENANCE.*

RECEIPTS.

Department of Parks ..... \$95,000 00

Transfer from Endowment Accounts:

To balance deficit of the year 1898..... 11,354 46

To balance deficit of the year 1899..... 22,614 55

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\$128,969 01

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

Correct.—JOSEPH W. EDWARDS, *Auditor, Feb. 8, 1900.*

*MAINTENANCE.*

DISBURSEMENTS.

Cash deficit, January 1, 1899 .....	\$11,354 46
Expressage .....	490 94
Postage.....	256 50
Repairs.....	3,035 70
Coal .....	6,687 60
Labels.....	2,978 30
Stationery.....	612 74
Poison .....	167 95
Annual Report.....	231 15
Supplies.....	6,003 73
Salaries.....	48,685 69
Fixtures.....	1,444 98
Labor.....	44,331 17
General Expense.....	2,672 22
Interest on Debit Balances.....	15 88
	<hr/>
	\$128,969 01
	<hr/>

CHARLES LANIER, *Treasurer.*

[E. & O. E.]

NEW YORK, *Dec. 31, 1899.*

THE AMERICAN MUSEUM OF NATURAL HISTORY

ENDOWMENT.

RECEIPTS.

Cash on hand, Jan. 1, 1899.....		\$7,473 56
Freight Rebate.....		15 22
Sale of Museum Publications.....		124 34
Admission Fees.....		1,288 50
Annual Members.....		7,520 00
Life Members:		
James B. Ford.....	\$100 00	
Morris Loeb.....	100 00	
Grenville L. Winthrop.....	100 00	
E. Dwight Church.....	100 00	
Arthur Ryle.....	100 00	
James Speyer.....	100 00	
George C. Boldt.....	100 00	
Mrs. Catherine L. Olmsted.....	100 00	
Wm. L. Flanagan.....	100 00	
August Belmont.....	100 00	
James H. Hyde.....	100 00	
J. Turner Atterbury.....	100 00	
Wm. R. Warren, New York State Archaeological Explorations,	300 00	
Theodore Cooper,	200 00	
		1,700 00
Fellow: Robert S. Brewster.....		500 00
Patron: Dr. Frederick E. Hyde.....		1,000 00
Sale of Specimens (Shells).....		75 00
Collecting Permits.....		36 00
Interest on Invested Funds.....		18,423 34
State Superintendent of Public Instruction.....		12,000 00
Mexican Expedition Refund.....		43 60
J. F. Loubat—Mexican Expedition.....		500 00
Henry F. Osborn.....		2,000 00
B. T. B. & Frederick E. Hyde, Jr.—Hyde Expedition.....		900 00
John B. Trevor Fund:		
Mrs. J. B. Trevor.....		10,000 00
Interest.....		448 90
Morris K. Jesup:		
Jesup North Pacific Expedition.....		11,144 07
“ “ “ “ Publications.....		2,000 00
“ Expedition to U. S. of Colombia.....		3,000 00
“ Collection of North American Forestry.....		243 80
Mrs. Morris K. Jesup, North American Indian Research.....		1,000 00
C. P. Huntington, “ “ “ “.....		1,000 00
Dr. Frederick E. Hyde—Delaware Valley Explorations.....		1,000 00
James M. Constable—Constable Expedition to Northwest Territory.....		1,200 00
Kuhn, Loeb & Co.....		500 00
Wm. E. Dodge—Terrell Collection of Fossil Fishes.....		802 01
For Pampean Collection of South American Fossil Mammals:		
D. Willis James.....	\$2,000 00	
H. O. Havemeyer.....	2,000 00	
Adrian Iselin.....	1,200 00	
Wm. E. Dodge.....	2,000 00	
James M. Constable.....	1,000 00	8,200 00
Trustees' Subscriptions:		
Oswald Ottendorfer.....	\$5,000 00	
Joseph H. Choate.....	1,000 00	
Charles Lanier.....	1,000 00	
Wm. Rockefeller.....	5,000 00	
H. O. Havemeyer.....	5,000 00	
D. O. Mills.....	2,500 00	
Adrian Iselin.....	2,000 00	
Anson W. Hard.....	1,000 00	
C. Vanderbilt.....	10,000 00	
Wm. E. Dodge.....	2,500 00	
D. Willis James.....	1,000 00	
James M. Constable.....	8,750 00	
Morris K. Jesup.....	10,000 00	
J. Pierpont Morgan.....	10,000 00	
Wm. C. Whitney.....	3,500 00	
Archibald Rogers.....	250 00	68,500 00
		<u>\$162,638 34</u>

Examined { ANSON W. HARD, }  
 and approved. { GEORGE G. HAVEN, } *Auditing Committee.*  
 Correct.—JOSEPH W. EDWARDS, *Feb. 8, 1900.*

ENDOWMENT.

DISBURSEMENTS.

Minerals.....	\$166	49
Labels.....	155	86
Mammals.....	71	99 -
Library.....	998	33
Mammal Groups.....	145	04 -
Appleton Sturgis Collection.....	8,295	52
Skeletons.....	300	00 -
Bird Groups.....	50	98 -
Geology.....	508	12
Postage.....	201	69
Traveling Expenses.....	63	70
Conchology.....	11	50
Peruvian Expedition.....	4,033	16
Annual Report.....	322	18
Stationery.....	126	35
Edwards Entomological Collection.....	790	00
Entomology.....	80	96
Spang Collection.....	2,073	33
Haines Collection.....	6,950	00
General Expenses.....	878	72
Special Loan No. 1.....	15,000	00
Interest " " ".....	323	00
Special Loan No. 2.....	18,000	00
Interest " " ".....	804	00
Marine Invertebrate Zoölogy.....	78	45
Interest on Debit Balances.....	98	90
Printing.....	263	90
Anthropology.....	4,374	37
Jesup North Pacific Expedition.....	11,144	07
Ethnic Groups.....	698	64
Vertebrate Palæontology.....	5,043	42 ✓
Department of Public Instruction.....	9,662	61
Constable Expedition to Northwest Territory.....	1,200	00
John B. Trevor Fund Investment.....	10,536	11
Vertebrate Zoölogy.....	610	38
Jesup Expedition to U. S. of Colombia.....	3,000	00
" North Pacific Expedition—Publications.....	1,807	36 ✓
" Collection of North American Forestry.....	267	12
North American Indian Research.....	1,915	05
Bulletins.....	5,414	96 ✓
N. Y. State Archæological Explorations.....	505	27
Collection of Pampean South American Fossil Mammals.....	200	00 ✓
Terrell Collection of Fossil Fishes.....	802	01
Mexican Expedition.....	1,005	50
Transfer to Maintenance Accounts:		
To balance deficit for the year 1898.....	\$11,354	46
" " " " " " 1899.....	22,614	55
Cash on hand, December 31, 1899.....	33,969	01
	9,681	29
	<u>\$162,638</u>	<u>34</u>

CHARLES LANIER, *Treasurer.*

[E. & O. E.]

NEW YORK, Dec. 31, 1899.

CHAPTER 126.

AN ACT to authorize further appropriations for the maintenance of the American Museum of Natural History in the city of New York.

Accepted by the city.

Became a law March 23, 1899, with the approval of the Governor. Passed, three-fifths being present.

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

SECTION 1. The board of estimate and apportionment, upon the requisition of the department of parks, is hereby authorized to include annually in its final estimate of the amounts required to pay the expense of conducting the public business of the city of New York, in addition to the sum or sums now provided by law by the terms of chapter three hundred and seventy-eight of the laws of eighteen hundred and ninety-seven for the maintenance of the American Museum of Natural History, such further sums not exceeding forty thousand dollars as the said board of estimate and apportionment may appropriate.

§ 2. This act shall take effect immediately.



# LIST OF ACCESSIONS, 1899.

## LIBRARY.

### DONATIONS.

	Volumes	Parts and Numbers	Pamphlets
Benjamin Adams, Brooklyn, N. Y. . . . .			1
Albert I <sup>er</sup> , Prince Souverain de Monaco. . . . .		2	1
F. Ameghino, La Plata, S. A. . . . .			1
Edward Atkinson, Brookline, Mass. . . . .		1	
S. P. Avery, New York City. . . . .	4		
O. Bangs, Boston, Mass. . . . .		2	23
Dr. Carlos Berg, Buenos Aires, S. A. . . . .		2	8
William Beutenmüller, New York City. . . . .	6	93	9
Prof. A. S. Bickmore, New York City. . . . .	9		3
Otto Bismark, Berlin, Germany. . . . .			1
Mrs. D. G. Brinton, Media, Pa. . . . .			2
G. C. Broadhead, Columbia, Mo. . . . .			2
A. W. Butler, Brookville, Indiana. . . . .	1		4
T. C. Chamberlin, Chicago, Ill. . . . .			3
Hon. William Astor Chanler, Washington, D. C. . . . .	10	12	
Dr. E. Cohen, Berlin, Germany. . . . .			1
Willis Cummings, London, England. . . . .			1
M. Cossmann, Paris, France. . . . .			4
M. P.-A. Dangeard, Poitiers. . . . .			1
J. W. de Peyster, Tivoli, N. Y. . . . .			1
" " " " Photograph. . . . .			
S. D. Dill, New York City. . . . .	4	8	
George A. Dorsey, New York City. . . . .			1
Anthony Drake, Caracas, Venezuela. . . . .		2	
Daniel Draper, New York City. . . . .		10	
Vve. Ch. Dunod, Paris, France. . . . .		5	
A. S. Gatschet, Washington, D. C. . . . .			1
Antonio de Gordan y de Acosta, Habana, W. I. . . . .			1
Arnold Hague, Washington, D. C. . . . .			1
R. J. Haight, Chicago, Ill. . . . .		1	
Septimus J. Hanna, Boston, Mass. . . . .			1
Harper and Brothers, New York City. . . . .		1	
Hugh Hastings, Albany, N. Y. . . . .	1		
Frank L. Hoogs, Honolulu, Hawaii. . . . .		5	





ESKIMO MAN FROM THE WEST COAST OF HUDSON BAY





ESKIMO WOMAN FROM THE WEST COAST OF HUDSON BAY



	Volumes	Parts and Numbers	Pamphlets.
Iowa State Horticultural Society, Des Moines.....	II		
“ “ University, Iowa City.....		2	
Kansas Academy of Science, Topeka.....	I		
Kentucky Agricultural Experiment Station, Frankfort.....		2	
Maryland “ College, College Park.....		2	
“ “ Experiment Station, College Park.....	I		I
“ State Weather Service, Baltimore.....	I		
Boston Book Co., Mass.....		I	
Library Bulletin Co., Boston, Mass.....		3	
Massachusetts Horticultural Society, Boston.....		4	I
New England Zoological Club, Cambridge, Mass.....		3	
City Library Association, Springfield, Mass.....	I	5	I
Wellesley College, Wellesley, Mass.....	I		
Journal American Folk-Lore, Boston, Mass.....			I
Museum of Art, Detroit, Michigan.....	I		
Michigan Ornithological Club, Grand Rapids.....		5	
“ Bureau of Labor and Industrial Statistics, Lansing.....	I		
“ State Horticultural Society, Lansing.....		3	
“ Treasurer, Lansing.....	I		
University of Minnesota Agricultural Experiment Station, St. Anthony's Park.....	I	I	
Washington University, St. Louis, Mo.....	I		
Helena Public Library, Montana.....		2	I
Nevada State University, Reno.....	2	5	
Geological Survey of Newfoundland.....	I		
New Jersey Free Public Library, Newark.....		4	
Bureau of Statistics and Labor, State N. Y., Albany.....		3	
New York State Department of Agriculture, Albany.....	2		
Institute of Arts and Sciences, Brooklyn, N. Y.....	4		
Medical Society of County of Kings, Borough of Brooklyn, N. Y.....	I		
Grosvenor Free Public Library, Buffalo, N. Y.....	I	I	
Hamilton College, Clinton, N. Y.....	I		
New York State Reformatory, Elmira.....	I		
Farmers' Institute Bulletin Publisher, Fayetteville, N. Y.....		I	
New York Agricultural Experiment Station, Geneva, N. Y.....		16	
Lake Mohonk Conference International Arbitration, N. Y.....	I		
American National Red Cross Relief Committee, New York City.....	I		
“ Society for the Prevention of Cruelty to Animals, New York City.....		14	
Arctic Club of America, New York City.....			I
Art Collector, New York City.....		4	
Camera Club, New York City.....	I		
Chicago and North Western Railway Co., New York City.....	I		
City Charity Organization, New York City.....		30	
Cooper Union, New York City.....	I		
Directors N. Y. Juvenile Asylum, New York City.....	I		
International Navigation Co., New York City.....	I		
Monumental Records Association, New York City.....		3	
National Academy of Design, New York City.....	I		
New York Association for Improvement of Poor, New York City.....	I		
“ “ Entomological Society, New York City.....	I		
“ “ Post-Graduate Medical School, New York City.....		II	





	Volumes	Parts and Numbers	Pamphlets
Société D'Émulation De L'Ain, Bourg, France.....		1	
“ des Sciences Naturelles du Saone-et-Loire, Chalon-Sur Saone, France.....		4	
Société des Sciences Médicales de Gannat, Commentry, France.....		12	
“ D'Horticulture et Viticulture de la Cote-D'or, Dijon, France.....		7	
Société des Ingénieurs, sortis de l'école prov. d'Ind, etc., Hainaut, France.....		1	1
Société de Médecine et de Pharmacie, Limoges, France.....		1	
“ D'Horticulture et de Botanique du Centre de la Normandie, Lisieux, France.....		1	
Association pour L'ens. des Sciences Anthropologiques, Paris, France.....		1	
Ministère du Commerce de L'Industrie, des Postes et des Télégraphes, Paris, France.....		1	2
Königliche Friedrich-Wilhelms-Universität, Berlin, Germany.....		2	
“ Museen zu Berlin, Germany.....	1	1	
Seventh Internationaler Geographen-Kongress, Berlin, Germany. Zoologische Sammlung zu Berlin.....			3
Niederrheinische Gesellschaft für Natur-und Heilkunde, Bonn, Germany.....		2	2
Königliches Zoologisches und Anthropologisch-Ethnologisches Museum, Dresden, Germany.....	1		
Naturwissenschaftliche Gesellschaft “ Isis ” in Dresden, Germany.....		1	
Hamburgische Wissenschaft-Anstalten, Hamburg, Germany... Verein für Kunde der Natur und der Kunst, Hildesheim, Germany.....		5	
Commerce Special de la Grèce avec les Pays Étrangers, Athènes, Greece.....		1	
Ministère Des Finances, Bureau de Statistique, Athènes, Greece. Agricultural and Horticultural Society of India, Calcutta.....		15	
Botanical Survey of India, Calcutta.....		14	
Government of India, Calcutta.....		1	1
“ “ “ “ 4 Maps.....	24	3	
Belfast Natural History and Philosophical Society, Ireland.....		82	20
Agricultural Statistics of Ireland, Dublin.....	1		
R. Scuola Enologica Di Avelling, Padova, Italy.....			1
R. Università Di Pavia, Italy.....	1	3	
Direccion General de Estadística, Mexico.....			3
Instituto Medico Nacional, Mexico.....		7	
“ Científico y Literario d. Estado de Mexico, Toluca... Instruccion Pública Mexicana, Mexico.....		4	
Public Museum, Wanganni, New Zealand.....	11		
Printing and Stationery Department, Wellington, New Zealand. Register-Generals Office, Wellington, New Zealand.....	1		
Det Statistiske Centralbureau, Kristiania, Norway.....	1		
Sociedade Broteriana, Coimbra, Portugal.....		2	
Direcção dos Trabalhos Geologicos de Portugal, Lisboa.....	3		
Imperial Russian Geographical Society, St. Petersburg, Russia. Bernice Pauahi Bishop Museum, Honolulu, Sandwich Islands..	1		1
Department of Foreign Affairs, “ “ “ “ ..	2	1	
	1		

	Volumes	Parts and Numbers	Pamphlets
Paradise of the Pacific, Honolulu, Sandwich Islands.....		6	
Republic-of-Hawaii, " " " ".....			I
Edinburgh Geological Society, Scotland.....	I		
" University, Scotland.....	I		
Direccion Generale de Statistique, Buenos Aires, South America.		1	
Sociedad Cientifica Argentina, Buenos Aires, South America....		8	
Museo de Historia Natural de Valparaiso, Chili, South America.		2	
Direccion de Estadistica General, Montevideo, Uruguay, South America.....	I	2	
Sociedad Geográfica de Madrid, Madrid, Spain.....		1	
Vestergren Von Tycho, Upsala, Sweden.....		3	
Universität Basel, Switzerland.....			2
Facultad de Ciencias de la Universidad y Naturales de la Habana, Cuba, W. I.....			I
Real Academia de Ciencias Medicas, Fisicas y Nat. d. I. Habana, W. I.....		15	

MRS. ROBERT WOODWORTH, New York City.  
 Bust of Milton, by Paul Akers—with pedestal.

## EXCHANGES.

	Volumes	Parts and Numbers	Pamph- lets
Alabama. Geological Survey of Alabama, Montgomery.....	1		
California. University of California, Berkeley.....		1	1
Library, Leland Stanford Jr. University, Palo Alto.....		4	2
Dr. Lorenzo G. Yates, Sacramento.....	1		2
C. R. Orcutt, San Diego.....		1	
California Academy of Sciences, San Francisco.....	1	11	
Cooper Ornithological Club, Santa Clara.....		5	
Santa Clara College.....	1		
Colorado. Scientific Society, Denver.....		2	2
University of Denver.....			1
Connecticut. State Board of Agriculture, Hartford.....	1		
Connecticut Academy of Arts and Sciences, New Haven...		1	
C. E. Beecher, New Haven.....	1		
Georgia. Geological Survey, Atlanta.....	2		
Illinois. Chicago Academy of Sciences.....	1	1	
Field Columbian Museum, Chicago.....	1	13	
John Crerar Library, Chicago.....	24		
State Laboratory of Natural History, Urbana.....	2		
Indiana. Geological Survey, Indianapolis.....	1		
Iowa. Academy of Sciences, Des Moines.....	1		
Geological Survey, Des Moines.....	1		
Historical Society of Iowa, Des Moines.....		2	
“ Department of Iowa, Iowa City.....		2	
State Historical Society, Iowa City.....		3	
University of Iowa, Iowa City.....	1		
Kansas. University, Lawrence.....	2	4	
State Board of Agriculture, Topeka.....	3		
“ Historical Society, “.....	1		
Kentucky. Agricultural Experiment Station, Louisville.....	1	3	
Louisiana. Tulane University, New Orleans.....	1		
Maine. University Library, Orono.....	2		
Maryland. Geological Survey, Baltimore.....	2		
Johns Hopkins University, “.....		2	
Agricultural Experiment Station, College Park.....		6	
Massachusetts. Agricultural College, Amherst.....	5	7	
American Academy of Arts and Sciences, Boston.....		22	
Appalachian Mountain Club, Boston.....	1	1	
Boston Public Library.....	2	12	
“ Society of Natural History.....		14	
State Board of Agriculture, Boston.....	1		
“ Library, Boston.....	3		
Harvard College Astronomical Observatory, Cambridge....	1	1	
Museum of Comparative Zoölogy, Cambridge.....	2	11	
Peabody Museum of American Archæology and Ethnology, Cambridge.....	1		1
Bussey Institution, Jamaica Plain.....		1	

	Volumes	Parts and Numbers	Pamphlets
<i>Massachusetts—Continued.</i>			
Essex Institute, Salem.....	2	6	
E. S. Morse, ".....			I
City Library Association, Springfield.....	I	I	I
Newberry Library, Springfield.....		I	
Worcester Society of Antiquity.....	I		
Michigan. State Agricultural College Experiment Station, Agricultural College.....		19	
State Board of Agriculture, Agricultural College.....	I		
Minnesota. Geological and Natural History Survey, St. Paul..	2		
Historical Society, St. Paul.....		I	
University Minnesota State Agricultural Experiment Station, Minneapolis.....	I		
Missouri. University of the State, Columbia.....	I		
Missouri Geological Survey, Jefferson City.....	3	I	
" " " " " " Atlas.....			
St. Louis Academy of Science, Missouri.....	I	10	
Missouri Botanical Garden, St. Louis.....	I		
Public Library, St. Louis.....		2	
Nebraska. State Historical Society, Lincoln.....	I		
University, Lincoln.....	I		
New Jersey. Agricultural College Experiment Station, New Brunswick.....		9	
Geological Survey, Trenton.....	2		
Historical Society, Paterson.....		I	
New York. State Geological Survey, Albany.....	I		
University of State, Albany.....	10	24	
F. H. Lattin, Albion.....		II	
Museum Publishing Company, Albion.....		8	
Buffalo Society of Natural History.....		3	
New York Agricultural Experiment Station, Geneva.....		18	
Cornell University, Ithaca.....	17	18	
Geological Society of America, Rochester.....	I		
Charles S. Prosser, Schenectady.....			I
L. I. Historical Society, Brooklyn.....	I		
Natural Science Association, New Brighton, Staten Island.		6	
American Chemical Society, New York City.....	I		
American Geographical Society, New York City.....		5	
" Institute of Mining Engineers, New York City..	2		82
" Numismatic and Archæological Society, New York City.....		I	
Archæological Institute of America, New York City.....		8	
Columbia University, New York City.....	2	3	
Lemcke and Buechner, " " " ".....	I		3
Linnæan Society, New York City.....		2	
Mercantile Library, " " " ".....		2	
Metropolitan Museum of Art, New York City.....		I	
New York Academy of Sciences, New York City.....	I	2	
" " Botanical Garden, New York City.....		2	
" " Public Library, " " " ".....	I	7	
" " Zoölogical Society, " " " ".....		2	
Torrey Botanical Club, New York City.....	I		I

	Volumes	Parts and Numbers	Pamphlets
<i>New York—Continued.</i>			
G. P. Putnam's Sons, New York City.....	17		
Charles Scribner's Sons, " " ".....	4		
Gustav E. Stechert, " " ".....	4		
North Carolina. H. H. and C. S. Brimley, Raleigh.....		23	
N. C. Geological Survey, Raleigh.....	1		
E. Mitchell Scientific Society, Raleigh.....		3	
Ohio. Agricultural Experiment Station, Columbus.....		13	
State Library, Columbus.....	16		
Denison University, Granville.....	5		
Oberlin College.....	2		
Pennsylvania. Benjamin S. Lyman, Philadelphia.....			1
Academy of Natural Sciences, ".....	1	3	
American Philosophical Society, ".....	2		
Geographical Club of Philadelphia.....	1		1
University of Pennsylvania, Philadelphia.....	1	2	
Wagner Free Institute of Science, Philadelphia.....	1		
Zoölogical Society of Philadelphia.....	1		
University of Wyoming, Laramie.....		1	
Wyoming Historical and Geological Society, Wilkesbarre..	1		
Rhode Island. Redwood Library and Athenæum, Newport....	1		
Brown University, Providence.....	1		
Texas. Academy of Science, Austin.....	1		
Vermont. Fletcher Free Library, Burlington.....			1
University of Vermont and State Agricultural College, Bur- lington.....	1	5	
Middlebury College.....	1		
State Board of Agriculture, Montpelier.....	1	4	
Virginia. Dr. Edgar A. Mearns, Fort Myer.....		7	16
Washington, D. C. G. K. Gilbert.....			4
I. C. Russell.....	1		
C. D. Walcott.....			11
Department of Agriculture.....	41	371	17
" " Interior..... 246 maps.			
" " ".....	24		
" " State.....	17		
National Academy of Sciences.....	2		
Smithsonian Institution.....	14	2	4
Superintendent of Documents.....		10	12
Treasury Department.....	2		
War Department.....	11		
Wisconsin. State Historical Society, Madison.....	1		
Public Museum, Milwaukee.....	1		
Canada. Le Naturaliste Canadien, Chicoutimi.....		17	
Fruit Growers' Association, Grimsby.....	1		
Nova Scotia Institute of Natural Science, Halifax.....	1		
Entomological Society of Ontario, London.....	2	4	
Natural History Society of Montreal.....		1	
Numismatic and Antiquarian Society of Montreal.....		1	
Geological and Natural History Survey of Canada, Ottawa..	5		2
Ottawa Field Naturalists' Club.....		12	
Royal Society of Canada, Ottawa.....	1		

	Volumes	Parts and Numbers	Pamphlets
<i>Canada—Continued.</i>			
New Brunswick Natural History Society, St. John.....		1	
Canadian Institute, Toronto.....		2	
University of Toronto, Ontario.....	4	1	
Manitoba Historical and Scientific Society, Winnipeg.....	1	2	
<i>Costa Rica.</i> Museo Nacional, San José.....		1	
<i>Mexico.</i> Biblioteca de la Secretario de Fomento, Mexico.....	5	7	
Sociedad Cientifica "Antonio Alzate," Mexico.....		9	
" Mexicana d'Histoire Natural, "		2	
<i>West Indies.</i> Institute of Jamaica, Kingston.....		1	
Agricultural Society, Trinidad, Port-of-Spain.....		9	
<i>South America.</i> Instituto Geográfico Argentino, Buenos-Aires.....	2	6	
Museo Nacional de Buenos-Aires.....	1	3	2
Bibliotheca Nacional, Rio de Janeiro, Brazil.....	10	2	2
Direccion General de Estadistica, La Plata.....	5	1	3
Société Scientifique du Chili, Santiago.....		2	
La Universidad, Santiago, Chili.....		10	
Museo Nacional de Montevideo, Uruguay.....		2	
Republica Oriental del Uruguay, Montevideo.....	1		
Museu Paraense de Historia Natural e Ethnographia, Para.		7	
Commissão Geographica e Geologico, S. Paulo.....	9		
Museu Paulista, S. Paulo.....	2		
<i>Africa.</i> Académie d'Hippone-Société de Recherche Scientifique et d'Acclimatation, Bône.....			1
Colonial Secretary's Office, Cape Town.....	1		
Department of Agriculture, " "		20	
South African Museum, " "	1	2	
Société Archéologique de Constantine.....	1		
Institut de Carthage, Tunis.....		2	
" Égyptian, Le Caire.....		3	
<i>Asia.</i> Royal Asiatic Society (Bombay Branch).....		1	
Asiatic Society of Bengal, Calcutta, India.....		15	
Indian Museum, Calcutta, India.....	4	1	
Madras Government Museum, India.....		1	
Agricultural and Commercial Department, Tokio, Japan...	1		
Imperial University, Tokio, Japan.....	1	1	1
Koninklijke Natuurkundige Vereeniging in Ned-Indië, Batavia, Java.....	1		
<i>Australasia.</i> Public Library Museum and Art Gallery, Adelaide.....	24	13	1
Royal Geographical Society, Adelaide.....	1		
Australian Museum, Sydney.....	3	4	
Department of Mines and Agriculture, Sydney.....	4	1	
Geological Survey, New South Wales, "		2	
Legislative Assembly, Sydney.....	1		
Government Statistician's Office, Sydney.....	4		1
Linnean Society of New South Wales, Sydney.....		3	1
Royal " " " "	1	1	
Rev. W. Colenso, Wellington.....	1		
New Zealand Department of Agriculture, Wellington.....		5	2
Geological Survey of Queensland, Brisbane..... 12 maps.		9	
Royal Society of Queensland, Brisbane.....	1		
Minister of Mines, Tasmania, "		1	



READING ROOM—LIBRARY





	Volumes	Parts and Numbers	Pamphlets
<i>Australasia—Continued.</i>			
Royal Society of Victoria, Melbourne.....		I	
“ Geographical Society, “ ..... 7 maps.	2		
Victoria Zoological and Acclimatization Society, Melbourne.	I		
Field Naturalists' Club, Victoria.....	10	21	
Geological Survey Western Australia, Perth..... 3 maps.	I	2	
<i>Austria-Hungary. Südslavische Akademie der Wiss. und Künste,</i>			
Agram.....		3	
Vorarlberger Museum Verein, Bregenz.....	I		
K. Magyarhoni Földtani Tarsulat, Budapest.....		2	
Magyar Nemzeti Museum, Budapest.....		2	
R. Societa Agraria di Gorizia.....		2	
Verein f. Siebenbürgische Landeskunde, Hermanstadt.....	I	I	
Société de Médecine, Science et d'Hygiène, Kharkow.....	I		
L'Académie des Sciences de Cracovie, Poland.....		7	
K. Böhm. Gesellschaft d. Wissenschaften, Prag.....	8		
Verein f. Geschichte d. Deutschen in Böhmen, Prag.....		4	
K. K. Ackerbau-Ministerium, Vienna.....	2	I	
K. K. Gartenbau-Gesellschaft, “.....		12	
K. K. Geologische Reichsanstalt, “.....		11	
K. K. Gradmessungs-Bureau, “.....	I		
K. K. Naturhistorisches Hof-Museum, Vienna.....		3	
K. K. Zoologisch-Botanische Gesellschaft, Vienna.....		10	
Section f. Naturkunde d. Öster. Tourist-Club, Vienna.....	I		
Verein zur Verbreitung naturwissenschaft. Kenntnisse, Vienna.....	I		
<i>Belgium. Académie Royale des Sciences, des Lettres et des</i>			
Beaux-Arts de Belgique, Brussels.....	5		
Dr. Alph. Dubois, Brussels.....			I
Musée du Congo, “.....	2	10	
Société Royale de Botanique d. Belgique, Brussels.....	I		
“ “ Linn. d. Bruxelles.....		8	
“ “ Malacologique d. Belgique, Brussels.....		3	
“ Geologique de Belgique, Liège.....		5	
“ des Ingenieurs, etc., du Hainaut, Liège.....	I	I	
“ Royale des Sciences, Liège.....	I		
“ Scientifique de Bruxelles, Louvain.....	3		
L'École Provinciale d'Industrie et des Mines du Hainaut, Morlanwels.....		I	
<i>Denmark. Kongelige Danske Videnskabernes Selskab, Copen-</i>			
hagen.....	I	8	
<i>France. Société Linneenne du Nord de la France, Amiens...</i>			
Société Académique d'Archæologie, Science et Arts du Dé-	24		
partement d. L'Oise, Beauvais.....	I		
Société d'Horticulture de la Gironde, Bordeaux.....		3	
“ des Études, Literature Scientifique et Artistique du Lot, Cahors.....		3	
Union Géographique du Nord d. l. France, Douai.....		2	
Société d'Horticulture de Fontenay-Le-Comte.....		7	
“ des Sciences Naturelles et Archéologie de la Creuse, Guéret.....	I		
L'Université, Laval.....	I		I

	Volumes	Parts and Numbers	Pamphlets
<i>France—Continued.</i>			
Société de Médecine et de Pharmacie de la Haut-Vienne, Limoges.....		5	
Faculté des Sciences de Marseilles.....		5	
Museum d'Histoire Naturelle, Marseilles.....	I		
Société des Sciences de L'Ouest de la France, Nantes.....		3	
Feuille des Jeunes Naturalistes, Paris.....		10	
Min. d. l'Instruction Pub. d. B. A. et d. Cultes, Paris.....	I		
Ministère des Travaux Publics, Paris.....		2	
Bibliothèque du Museum d'Histoire Naturelle, Paris.....		5	
Société de Géographie, Paris.....		10	
“ Entomologique de France, Paris.....	2		
“ Géologique de France, Paris.....		5	
“ Zoologique “ “ “.....	I		
Académie des Sciences, Ins. et. Belles Lettres, Toulouse...		3	
<i>Germany.</i> Deutsche Geologische Gesellschaft, Berlin.....		5	
R. Friedländer und Sohn, Berlin.....	I	17	
Dr. Hermann Fürst, Berlin.....	I		
Ges. Anthropologie, Ethnologie u. Urgeschichte.....	I	5	I
Gesellschaft für Erdkunde, Berlin.....		12	
Naturhistorischer Ver. d. preussischen Rheinlande, Bonn..	I		
Naturwissenschaftlicher Verein, Bremen.....		2	
Verein f. Schlesische Insektenkunde, Breslau.....		I	
Dr. H. B. Geinitz, Dresden.....			I
Verein für Erdkunde zu Dresden.....	I		
Naturwissenschaftlicher Verein zu Elberfeld.....	I		
Naturforschende Gesellschaft in Emden.....	I		
Senckenbergische Naturforschende Gesellschaft, Frankfurt.	I	5	
Naturforschende Gesellschaft, Freiburg.....		I	
Oberlausitzer Gesellschaft d. Wissenschaften, Görlitz.....	2	2	
K. Leop-Car. Akademie d. Deutschen Naturforscher, Halle.	I	I	
Naturwissenschaftlicher Verein, Hamburg.....		I	
Wetterauer Gesellschaft f. d. Gesellschaft Naturkunde, Hanau.....	I		
Bibliothek der Technischen Hochschule zu Karlsruhe.....	2		4
Königliche Physikalisch-Oekonomische Gesellschaft, Königsberg.....	I		
K. Min-Geol. u. Prähist. Museum in Dresden.....		I	
Königlich-Sächsische Gesellschaft d. Wissenschaften, Leipzig.....	2	5	3
Verein für Erdkunde, Leipzig.....	2		I
Königlich-Baierische Akademie d. Wissenschaften, München.....		6	2
Westfälischer Provinzial-Verein f. Wiss. u. Kunst, Münster.	I		
Naturwissenschaftlicher Verein f. Schwaben u. Neuberg, Augsburg.....	I		
Naturhistorische Gesellschaft, Nürnberg.....	8		
Naturwissenschaftlicher Verein, Osnabrück.....	I		
Nassauischer Verein für Naturkunde, Wiesbaden.....	I		
Königliche Universitäts-Bibliothek, Würzburg.....	5		24
<i>England.</i> Birmingham and Midland Institute.....	I		I
Naturalists' Society, Bristol.....		I	

	Volumes	Parts and Numbers	Pamphlets
<i>England—Continued.</i>			
Philosophical Society, Cambridge.....		3	
Naturalists' Society, Cardiff.....	I		
Cotteswold Naturalists' Field Club, Gloucester.....		3	
Natural History Society, Hertfordshire.....		4	
Yorkshire Geological and Polytechnic Society, Leeds.....	I		
Board of Agriculture, London.....		7	
British Museum (Natural History), London.....	5	1	
Geologists' Association, London.....		3	
Geological Society of London.....	I		
Linnean " " ".....		4	
Royal Colonial Institute, ".....		6	
" Society, London.....		16	
Wesley and Son, London.....	5		
Zoölogical Society, ".....	I	5	I
Field Nat. and Archæologists' Society, Manchester.....	I		
Geographical Society, Manchester.....		15	
Geological " ".....		9	
Museum, Owens College, ".....	I	3	I
Literary and Philosophical Society, Manchester.....		6	
Marine Biological Association, United Kingdom, Plymouth.....		2	
Zoölogical Museum, Tring.....		3	
Scotland. Botanical Society of Edinburgh.....		3	
W. E. Clarke, Edinburgh.....	I		
Museum of Science and Art, Edinburgh.....	I		
Natural History Society, Glasgow.....	I	5	
Perthshire Society of Natural Science, Perth.....		1	
Italy. R. Istituto Lombardo di Scienze e Lettere, Milano.....	I	1	
R. Accademia di Science, Lettere ed Arti in Rovoreto, Modena.....		3	
R. Scuola Pratica di Agricoltura, Modena.....			2
" " Superiore d'Agricoltura di Portici, Padova.....	6		
" Istituto Botanico di Palermo.....		3	
" Orto Botanico di Palermo.....		2	
Società dei Naturalisti Siciliani, Palermo.....		5	
" Toscana di Scienze Naturali, Pisa.....	I	1	
R. Accademia dei Lincei, Roma.....	2	33	
" Comitato Geologico d'Italia, Roma.....		1	
Ministero d'Agricoltura, Industria e Commercio, Roma.....		3	
Musei di Zoölogia ed Anatomia, Torino.....		18	
Netherlands. Société Hollandaise des Sciences, Haarlem.....		3	
Norway. Departementet for det Indre, Christiania.....	I		I
Videnskabernes Selskab I Christiania.....	3		12
Museum, Stavanger.....	I		
Russia. Naturforschende Gesellschaft bei der Universität, Dorpat.....		1	
Commission Géologique de la Finlande, Helsingfors.....	I	1	
Société des Sciences de Finlande, Helsingfors.....	2		
" Imperiale des Naturalistes, Moscow.....		1	
Comité Géologique de la Russie, St. Petersburg.....	2	2	
L'Académie Impériale des Sciences, St. Petersburg.....		5	
Sweden. Bureau of Geological Survey, Stockholm.....		10	
Institut Royal Geologique de Suède, "..... I map.			

	Volumes	Parts and Numbers	Pamphlets
<i>Sweden—Continued.</i>			
Kongl. Vitterhets Historie och Antiquitets Akademien, Stockholm. . . . .	I	I	
Royal Swedish Academy of Sciences, Stockholm. . . . .	I	9	
Société Entomologique, Stockholm. . . . .		4	
Kongliga Universitetet Bibliotheket, Upsala. . . . .	2	3	4
Switzerland. Société Vaudoise des Sciences Naturelles, Lausanne . . . . .		2	
Lund Universitatis Lundensis, Lund. . . . .	I		
Société Neuchateloise de Géographie, Neuchatel. . . . .	I		
Schweizer Entomologische Gesellschaft, Schaffhausen. . . . .		I	
St. Gallische Naturwissenschaftliche Gesellschaft, St. Gall. . . . .	I		

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DEPARTMENT OF GEOLOGY AND MINERALOGY.

PALÆONTOLOGY AND GEOLOGY.

BY DONATION.

- ✓ J. J. CROOKE, Staten Island, N. Y.  
A large number of fossils from various localities.
- ✓ W. E. DODGE, New York City. ✓  
A collection of Devonian Fish remains from the Portage Group at Sheffield, O.
- ✓ G. K. HOLLISTER. ✓  
Concretion of bituminous limestone from Rocky Mts., N. W. Ter., Canada.
- ✓ J. S. MERIAM, New York City.  
1 specimen of an *Ichthyosaurus* eye from Lias, England. ✓  
1 " " *Ophioderma* from Lias, England. ✓  
1 " " *Dapedion* " " " " ✓
- ✓ PEARY ARCTIC CLUB OF NEW YORK. ✓  
12 Fossils from Cape Harrison, Princess Marie Bay and Summit, Cape d'Urville, Northern regions.
- ✓ W. WALLACE, New York City. ✓  
Specimen of *Zaphrentis gigantea*, Ed. & H. from Lawyersville Schoharie County, N. Y.

BY PURCHASE.

- ✓ About 100 specimens of the rocks of the Yellowstone National Park.

MINERALOGY.

BY DONATION.

- ✓ THE BLACK HILLS WIND CAVE CO., Wind Cave, South Dakota.  
1 Large specimen of the "boxwork" Calcite formation from Wind Cave.
- ✓ LAZARD CAHN, New York City.  
2 Specimens of Calcite from Cumberland, England.  
1 " " Barite " " " "
- ✓ C. C. DICKINSON, New York City. ✓  
1 Specimen of Itacolumite from Delhi, India.
- ✓ A. S. EAKLE, Cambridge, Mass. ✓  
1 Specimen of Erionite from Durkee, Oregon.
- ✓ E. C. ECKEL, New York City. ✓  
3 Specimens of Tremolite from Fort George, New York City.
- ✓ S. C. HAYDEN, New York City. ✓  
2 Specimens of Thomsonite from Grand Marais, Mich.



- ✓ A. E. HEIGHWAY, New York City. ✓  
   1 Specimen of crystal Rutile from Clay County, N. C.  
   1 " " massive " " Va.  
   1 " " " " Corundum.  
   2 " " " " Chromite. ✓  
 ✓ GUSTAV E. KISSEL, New York City. ✓  
   1 Specimen of Aerolite from Ness County, Kansas.  
 ✓ J. A. MANLEY, New Brunswick, N. J. ✓  
   Groups of spear-head Marcasite from Sayersville, N. J.  
 ✓ J. MOORE, Richmond, Ind. ✓  
   One-half of a Meteorite (Pallasite) from Haviland, Kansas.  
 ✓ N. B. POWTER, New York City. ✓  
   15 Specimens of Phosphate from Cumberland Bay, Pa.  
   5 " " " " Florida.  
   2 " " " " W. Va.  
   1 " " " " Aruba Island, Caribbean Sea.  
 ✓ M. H. SAVILLE, New York City. ✓  
   1 Specimen of Opal from Queretaro, Mexico.  
 ✓ ERNEST SCHERNIKOW, New York City. ✓  
   Nearly 100 specimens of minerals from New York State.  
 ✓ A. W. TROTTER, New York City. ✓  
   1 Specimen of Corundum from Rockingham, Canada.  
 ✓ PROF. R. P. WHITFIELD, New York City. ✓  
   11 Crystals of Struvite from Hamburg. ✓  
   1 Specimen of Forcherite from Knittelfeld, Styria. ✓

BY EXCHANGE.

- ✓ 1 Specimen of twinned Quartz from Japan.  
 ✓ 1 " " crystallized Barite from Cumberland, England.  
 ✓ 1 " " Platinum from South America.  
 ✓ 1 " " " " Oregon.  
 ✓ 1 " " " " Colorado.  
 ✓ 1 " " " " California.  
 ✓ 1 " " " " Russia.  
 ✓ 1 " " crystallized Orpiment from Mercur, Utah.  
 ✓ 1 " " Vesuvianite from Montana.  
 ✓ 1 " " Asbestos from New Brunswick, N. J.  
 ✓ 1 " " Barite from near Cumberland, England.  
 ✓ 1 " " Anhydrite from Bleiberg, Carinthia.  
 ✓ 1 " " Enargite from Red Mt., Col.  
 ✓ 1 " " Domeykite from Houghton, Mich.  
 ✓ 1 " " Parisite from Montana.  
 ✓ 1 " " Dickinsonite from Branchville, Conn.  
 ✓ 1 " " Sphalerite from Cumberland, England.  
 ✓ 1 " " Hardystonite from Franklin, N. J.  
 ✓ 1 " " Limonite from Brazil.  
 ✓ 1 " " Martite from Utah.  
 ✓ 1 " " Topaz " "  
 ✓ 1 " " Chalcedony from Tampa, Florida.  
 ✓ 1 " " Oerstedite (Zircon) from Chesterfield, Mass.  
 ✓ 1 " " Manganite from Negaunee, Mich.  
 ✓ 1 " " Wire Silver and Cerussite from Idaho.  
 ✓ 3 " " Cerussite from Joplin, Mo.  
 ✓ 3 Stalactites of Marcasite from Galena, Ill.

- ✓ Core of corroded Calcite within shell of Smithsonite from Mineral Point, Wis.
- ✓ 3 Specimens of Smithsonite from Mineral Point, Wis.
- ✓ Black sand (Magnetite and Ilmenite) from New Brunswick, N. J.
- ✓ Microscopic Pyrite crystals from South River, N. J.
- ✓ Pyrite sand from Sayersville, N. J.

## BY PURCHASE.

- ✓ Specimen of Calcite Pseudomorph after Aragonite from Cianciana, Sicily.
- ✓ " " Smithsonite from Laurium, Greece.
- ✓ " " twin crystal Gypsum from Girgenti, Sicily.
- ✓ 2 Large slabs of Spheroidal Granite from Kangasniemi, Finland.
- ✓ Etched section of a Meteorite from Mornington Victoria, Australia.
- ✓ " " " " (Siderite) from Roebourne near Hammersley Range, Queensland, Australia.
- ✓ 15 Small nuggets of gold from the Klondike.
- ✓ Pearl from a *Venus mercenaria* L., from East River, New York.
- ✓ 10 Specimens of the various forms of calcareous incrustation from Wind Cave, South Dakota.
- ✓ 10 Specimens of spodumene, tin ore, etc., from the Etta tin mine and elsewhere in the Black Hills of South Dakota.

## CONCHOLOGY.

## BY DONATION.

- ✓ J. J. CROOKE, Staten Island, N. Y.  
A large number of shells from various localities.
- ✓ A. E. DOUGLAS, New York City. ✓  
A number of *Marginella conoidalis* Kien, from Mosquito Inlet, Fla.
- ✓ MRS. H. G. HOLMES, New York City. ✓  
1 Large specimen of *Cardium lima* Lm., from East Coast of Africa.
- ✓ F. C. NICHOLAS, New York City. ✓  
10 Specimens of *Nerita cassiculum* Swb., from Rio Polomino, Colombia.
- ✓ NICHOLAS PIKE, New York City. ✓  
A miscellaneous collection of shells from various localities.

## MARINE INVERTEBRATES.

## BY DONATION.

- ✓ MRS. F. B. ARNOLD, 101 West 78th St., New York City. ✓  
2 Specimens of *Astrophyton* from Eastport, Maine.
- 3 " " Boltonia " " "
- 6 " " Molgol " " "
- 2 " " Ascidia " " "
- ✓ J. J. CROOKE, Staten Island, N. Y. ✓  
A number of Corals from various localities.
- ✓ DR. A. HRDLICKA, New York City. ✓  
1 Specimen of *Squilla empusa* Say, from Pelham Bay, N. Y.
- ✓ REV. R. P. POST, Elizabeth, N. J. ✓  
2 Specimens of *Mellita testudinata* Kl., from St. John's Bay, Florida.

- ✓ H. I. SMITH, New York City. ✓  
 7 Specimens of Crabs from Fort Rupert, B. C.  
 2 " " Isopoda from Fort Rupert, B. C.  
 1 " " Starfish " " " " " "

INGLIS STUART, New York City.  
 1 Large specimen of *Gorgonia acerosa* Pallas.

- ✓ PROF. R. P. WHITFIELD, New York City.  
 49 Specimens of Echinoderms.  
 4 " " Sea Anemones.  
 10 " " " Cucumber.  
 18 " " " Crabs.  
 13 " " " Sea Rods.  
 5 " " " Conchs.  
 2 " " " Conch animals.  
 6 " " " Shells with animals.  
 14 " " " Corals.  
 24 " " " Sponges.  
 2 Jars of Starfish.  
 8 Groups of Annelids. All from the Bahamas.

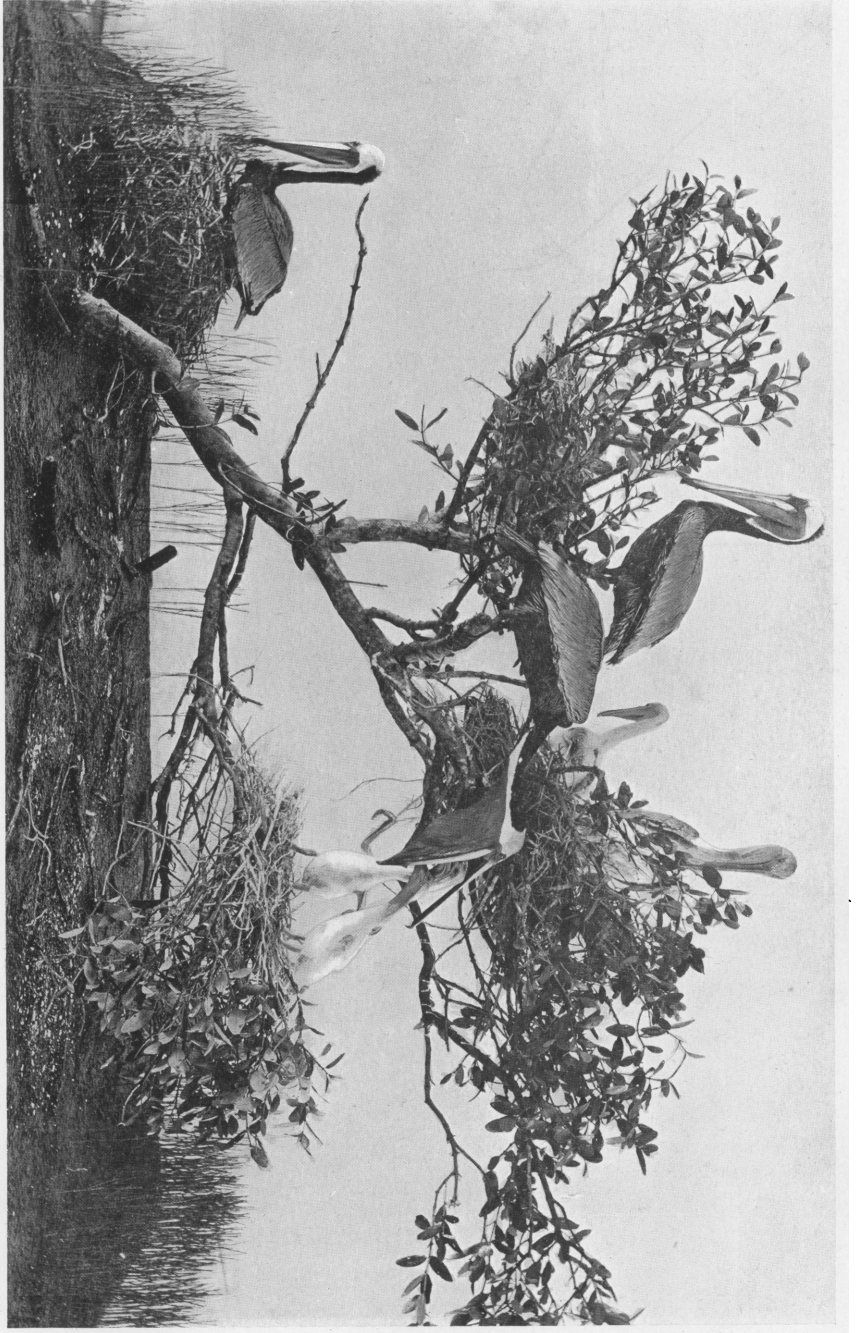
## DEPARTMENT OF VERTEBRATE ZOOLOGY.

## MAMMALS.

## BY DONATION.

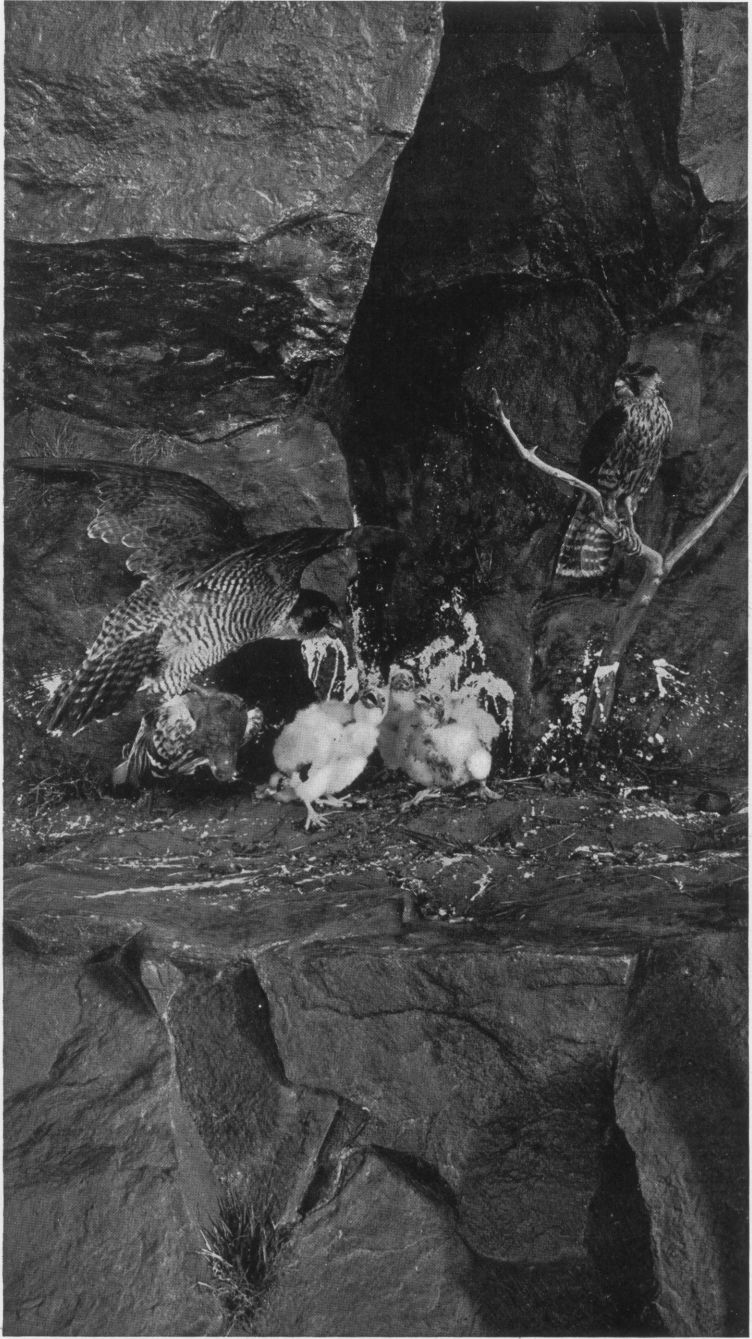
- ✓ ANASTASIO ALFARO, San José, Costa Rica.  
 11 Small Mammals from Guatemala, and 3 from Cocos Island.
- ✓ JAMES ANGUS, West Farms, N. Y.  
 1 Dog.
- ✓ J. H. BATTY, Sheepshead Bay, N. Y.  
 1 South American Deer, and 5 small Mammals, from Colombia.
- ✓ MRS. H. BURNETT, New York City.  
 1 Cat.
- ✓ MRS. W. T. COLBURN, New York City.  
 3 Squirrels and 1 Bat, mounted.
- ✓ JAMES M. CONSTABLE, New York City.  
 3 Caribou, 3 Mountain Sheep, 1 Fox, and 10 small Mammals, from Arctic America.
- ✓ C. E. COOK, Hastings, N. Y.  
 1 Opossum.
- ✓ CHARLES B. CORY, Boston, Mass.  
 5 Small Mammals from Arizona.
- ✓ JOHN L. COX, Philadelphia, Pa.  
 1 Lynx, and 4 Voles, from Newfoundland.
- DEPARTMENT OF PUBLIC PARKS, New York City.  
 7 Monkeys, 1 Lioness, 1 Fox, 1 Coyote, 1 West Indian Seal, 1 Bear, 1 Cape Buffalo (calf), 4 Nyghaus, 4 Zebus, 3 Indian Antelopes, 3 Deer, 1 Hippopotamus (calf), 2 Porcupines, 1 Agouti, 3 Opossums.—Total, 34 specimens, received in the flesh from the Central Park Menagerie and the New York Aquarium.
- ✓ C. A. DEYO, Schoharie, N. Y.  
 1 Mole, 1 Woodchuck, 1 Weasel.

- ✓ WALTER DORMITZER, New York City.  
1 Hippopotamus skull.
- J. D. FIGGINS, New York City.  
1 Bay Lynx.
- ✓ MRS. MARY C. FRANKLYN, New York City.  
1 Spaniel.
- ✓ MISS HELEN M. GOULD, New York City.  
1 Weasel, from Westchester Co., N. Y.
- ✓ W. W. GRANGER, New York City.  
1 skull of Domestic Sheep, 4 small Mammals, from Spring Creek,  
North Dakota, 8 small Mammals, from Aurora, Wyoming.
- ✓ E. S. HATHAWAY, Missoula, Montana.  
1 Rocky Mountain Goat.
- ✓ DR. A. HRDLICKA, New York City.  
1 Skull of Dog.
- ✓ MORRIS K. JESUP, New York City.  
1 Collie Dog, 598 Mammals, from Santa Marta, Colombia.
- ✓ DR. E. A. MEARNS, U.S.A., Fort Adams, Newport, R. I.  
6 Small Mammals from Newport, R. I.
- ✓ NEW YORK ZOÖLOGICAL SOCIETY.  
2 Pronghorn Antelopes, 1 Otter, 1 Siberian Wolf.
- ✓ PEARY ARCTIC CLUB, New York City.  
11 Musk Ox skins, 1 Musk Ox head, and 7 Musk Ox skulls, 2 Polar  
Bear skins and 3 skulls, 1 Walrus head. Collected by Lieut. R.  
E. Peary in Northern Greenland.
- ✓ COL. NICOLAS PIKE, New York City.  
9 Small Mammals from Long Island, N. Y.
- ✓ THOMAS PURDY, Harrison, N. Y.  
1 Fox.
- ✓ JOHN ROWLEY, New York City.  
1 Raccoon, 1 Squirrel.
- ✓ M. H. SAVILLE, New York City.  
1 Monkey, from Mexico.
- ✓ FREDERICK A. SCHNEIDER, New York City.  
6 Shrews and 3 Field Mice, from Jamaica, Long Island, N. Y., and 4  
small Mammals from Wyoming.
- ✓ ERNEST SETON-THOMPSON, New York City.  
9 Small Mammals from Montana and California.
- ✓ HARLAN I. SMITH, New York City.  
1 skeleton of a Skunk, and skulls of Badger and Sewellel, from British  
Columbia.
- ✓ C. DUBOIS WAGSTAFF, New York City.  
1 mounted Grizzly Bear.
- ✓ WILLIAM WALLACE, New York City.  
1 Donkey, 1 Newfoundland Dog.
- ✓ MRS. H. WILLIAMS, New York City.  
1 Marmoset.
- ✓ CLARENCE C. YOUNG, Brooklyn, N. Y.  
3 Small Mammals from Dutch Guiana.



BROWN PELICAN GROUP





DUCK HAWK GROUP





## BY EXCHANGE.

35 Specimens, mostly small Mammals, from California and Mexico.

## BY PURCHASE.

1 Koodoo Antelope, 1 Sable Antelope, 86 small Mammals from Alberta,  
 \* 77 from Venezuela, 59 from Labrador and Magdalen Islands, 51 from  
 Florida and Mexico, 17 from Texas.

## BIRDS.

## BY DONATION.

- ✓ ANASTASIO ALFARO, San José, Costa Rica.  
 1 Petrel from Cocos Island, 23 small Birds from Guatemala.
- ✓ MRS. C. B. BAKER, New York City.  
 1 African Finch.
- ✓ HERBERT BROWN, Yuma, Arizona.  
 1 Tern, from Arizona.
- ✓ FRANK M. CHAPMAN, Englewood, N. J.  
 1 Tanager, 1 Cedarbird.
- ✓ MRS. W. T. COLBORN, New York City.  
 50 Mounted birds, 80 bird skins.
- ✓ JOHN L. COX, Philadelphia, Pa.  
 9 Bird skins from Newfoundland.
- ✓ JOHN J. CROOK, Staten Island, N. Y.  
 ✓ Collection of birds' eggs, representing 51 species.
- ✓ MRS. C. W. CROSSMAN, Alexandria Bay, N. Y.  
 1 Finch.
- ✓ DEPARTMENT OF PUBLIC PARKS, New York City.  
 1 Robin, 1 Finch, 1 Blackbird, 2 Bobolinks, 9 Parrots, 6 Eagles, 1  
 Hawk, 1 Buzzard, 4 Pheasants, 2 Turkeys, 1 Rail, 1 Heron, 1  
 Duck, 7 Swans, 2 Cassowaries.—Total, 40 specimens received in  
 the flesh from the Central Park Menagerie.
- ✓ GEN. J. W. DE PUYSER, New York City.  
 5 Sections of pear trees, showing perforations by Woodpeckers.
- ✓ G. F. DIPPIC, Toronto, Canada.  
 3 Redpolls.
- ✓ WILLIAM DUTCHER, New York City.  
 ✓ 113 Small birds, 1 Duck, 1 Murre.
- ✓ WILLIAM DUTCHER, through Linnæan Society of New York.  
 4 Rare birds from Long Island, N. Y.
- ✓ JONATHAN DWIGHT, Jr., M.D., New York City.  
 1 Black-headed Shrike.
- ✓ Miss ALLIDA EHLERS, Rhinebeck, N. Y.  
 1 Baltimore Oriole's nest.
- ✓ JOHN FITZE, New York City.  
 1 Swift, 1 Thrush.
- ✓ S. N. H. GALLAND, New York City.  
 1 Bishop Weaver-Bird.
- ✓ W. W. HARRISON, New York City.  
 1 Hawk.

- ✓ MORRIS K. JESUP, New York City.  
 ✓ 2124 Specimens, from Santa Marta, Colombia.  
 S. A. KROM, Plainfield, N. J.  
 ✓ 1 Grebe.  
 H. C. LEUTLOFF, New York City.  
 ✓ 1 Nonpariel, taken on Long Island, N. Y.  
 H. R. MOLLER, South Orange, N. J.  
 ✓ 6 Photographs of Oriole's nests.  
 C. W. NASH, Toronto, Canada.  
 ✓ 1 Nelson's Sparrow.  
 ALBERT NEWMAN, Canandaigua, N. Y.  
 ✓ 1 Crow.  
 NEW YORK ZOÖLOGICAL SOCIETY.  
 ✓ 1 Hawk.  
 M. NULTY, New York City.  
 ✓ 1 Thrush.  
 WILLIAM PALMER, Washington, D. C.  
 ✓ 1 Hooded Warbler.  
 PEARY ARCTIC CLUB, New York City.  
 ✓ 4 Ivory Gulls from Greenland.  
 REV. R. B. POST, Fort George, Florida.  
 ✓ 6 Water Birds from Florida.  
 H. J. ROSENBERG, Eastport, N. Y.  
 ✓ 1 Pheasant.  
 JOHN ROWLEY, New York City.  
 ✓ 65 Small birds for the local collection.  
 REV. S. H. SCHWAB, New York City.  
 ✓ Nest of Wren and Baltimore Oriole.  
 L. C. SEYMOUR, New York City.  
 ✓ 1 Starling.  
 HARLAN I. SMITH, New York City.  
 ✓ 1 Osprey, from British Columbia.  
 HARRY B. STANTON, Atlanta, Georgia.  
 ✓ 1 Nest of Gnatcatcher.  
 C. TRAVIS, Ardsley, N. Y.  
 ✓ 1 Osprey.  
 MISS A. L. TULLY, New York City.  
 ✓ Peculiar nest of House Sparrow.  
 ARTHUR T. WAYNE, Mount Pleasant, S. C.  
 ✓ 3 Small birds from South Carolina.  
 JOHN H. WINSER, New York City.  
 ✓ 1 Oriole.  
 HON. JOHN A. WISE, New York City.  
 ✓ 1 Barn Owl.

## BY EXCHANGE.

39 Specimens, from various localities.

## BY PURCHASE.

450 Specimens, from Venezuela and Western Colombia.

FISHES AND REPTILES.

BY DONATION.

- ✓ DR. E. W. CULVER, New York City.  
1 Mounted Sail-fish.
- ✓ DEPARTMENT OF PUBLIC PARKS, New York City.  
1 Alligator, 1 Cowfish. Received in the flesh from the Central Park Menagerie and the New York Aquarium.
- ✓ MISS A. GUNTHER, New York City.  
1 Salamander.
- ✓ MARK W. HARRINGTON, Mount Vernon, N. Y.  
1 "Hen-fish," from San Juan, Puerto Rico.
- ✓ MRS. J. G. K——, New York City.  
1 Horned Toad from California.
- ✓ O. C. KANZOU, New York City.  
2 Snakes from Costa Rica.
- ✓ MISS A. KENNEDY, New York City.  
1 Salamander.
- ✓ NEW YORK ZOÖLOGICAL SOCIETY, New York City.  
1 Leather-back Turtle, 1 Python.
- ✓ COL. NICOLAS PIKE, New York City.  
Collection of Reptiles and Batrachians (about 1300), and a few Fishes, chiefly from Long Island, N. Y.
- ✓ FRANK PLUMEJEAU and JOHN L. FIGUERA, New York City.  
Blade of Australian Sawfish.
- ✓ FREDERICK SCHNEIDER, New York City.  
7 Reptiles from Aurora, Wyoming.
- ✓ H. E. SPALDING, Cambridge, Mass.  
1 Trout.
- ✓ GEORGE V. WAKEMAN, New York City.  
1 Large Pickerel from Lake George, N. Y.
- ✓ WILLIAM WALLACE, New York City.  
1 Dogfish.
- ✓ PROF. R. P. WHITFIELD, New York City.  
2 Sea Eels from Nassau, Bahama Islands.

BY PURCHASE.

- 1 Mounted Tortoise-shell Turtle from Bermuda Islands.

DEPARTMENT OF ENTOMOLOGY.

BY DONATION.

- ✓ VERY REV. E. A. HOFFMAN, D.D., LL.D., New York City.  
300 Indian and American Butterflies.
- ✓ R. P. WHITFIELD, New York City.  
1 Large Termite's nest from Nassau, Bahama Islands.
- ✓ HENRY F. OSBORN, New York City, through South American Exploration Co.  
2 Ants' nests from U. S. Colombia.
- ✓ F. W. PUTNAM, through South American Exploration Co.  
2 Ants' nests from U. S. Colombia.

- ✓ JOSEPH W. EDWARDS, New York City, through South American Exploration Co.  
 2 Ants' nests from U. S. Colombia.
- ✓ VARIAN BANKS, New York City, through South American Exploration Co.  
 2 Ants' nests from U. S. Colombia.
- ✓ JAMES RICALTON, New York City.  
 1 *Belostoma* from Manila.
- ✓ W. P. COMSTOCK, New York City.  
 2 *Pamphila manataaqua*.
- ✓ E. G. LOVE, New York City.  
 4 *Pamphila panoquin*, 2 *Ommatostola lintneri*, 2 *Necrophorus vespilloides*.
- ✓ MRS. J. W. KEYES, New York City.  
 1 Centipede from California.
- ✓ E. MENKE, Chicago, Ill.  
 A number of Diptera from Wyoming.
- ✓ GEORGE W. PEPPER, Tottenville, New York City.  
 A number of Moths from New Mexico.
- ✓ NICHOLAS PIKE, New York City.  
 A collection of Spiders.
- ✓ C. PALM, New York City.  
 6 Beetles.
- ✓ L. H. JOUTEL, New York City.  
 Specimens of wood injured by white ants.
- ✓ MRS. A. T. SLOSSON, New York City.  
 2 New species of *Sesia* from Florida.
- ✓ P. JEROME SCHMITT, Beatty, Pa.  
 A collection of Scydmanidæ and Pselaphidæ.
- ✓ JULIUS MEITZEN, Brooklyn.  
 A number of beetles from the West.

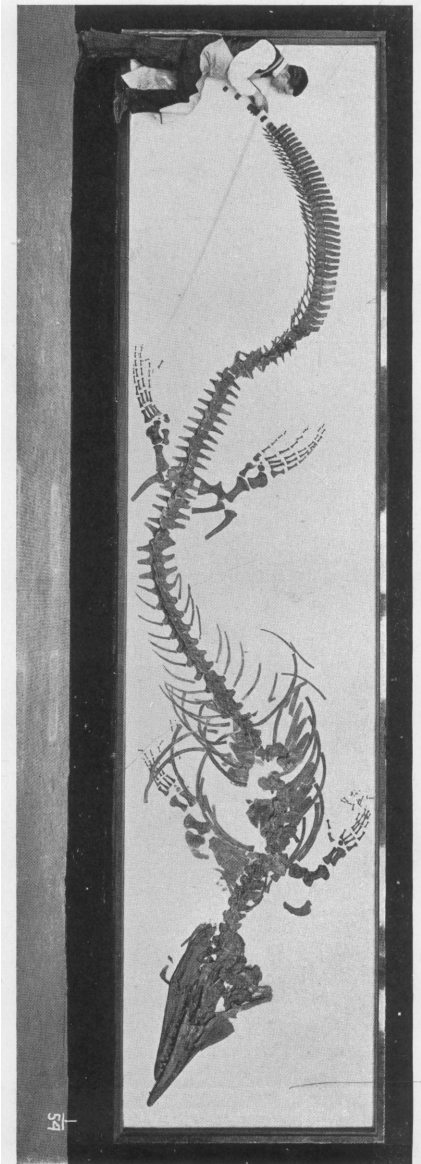
## BY PURCHASE.

About 600 specimens of Beetles and Moths.

## DEPARTMENT OF VERTEBRATE PALÆONTOLOGY.

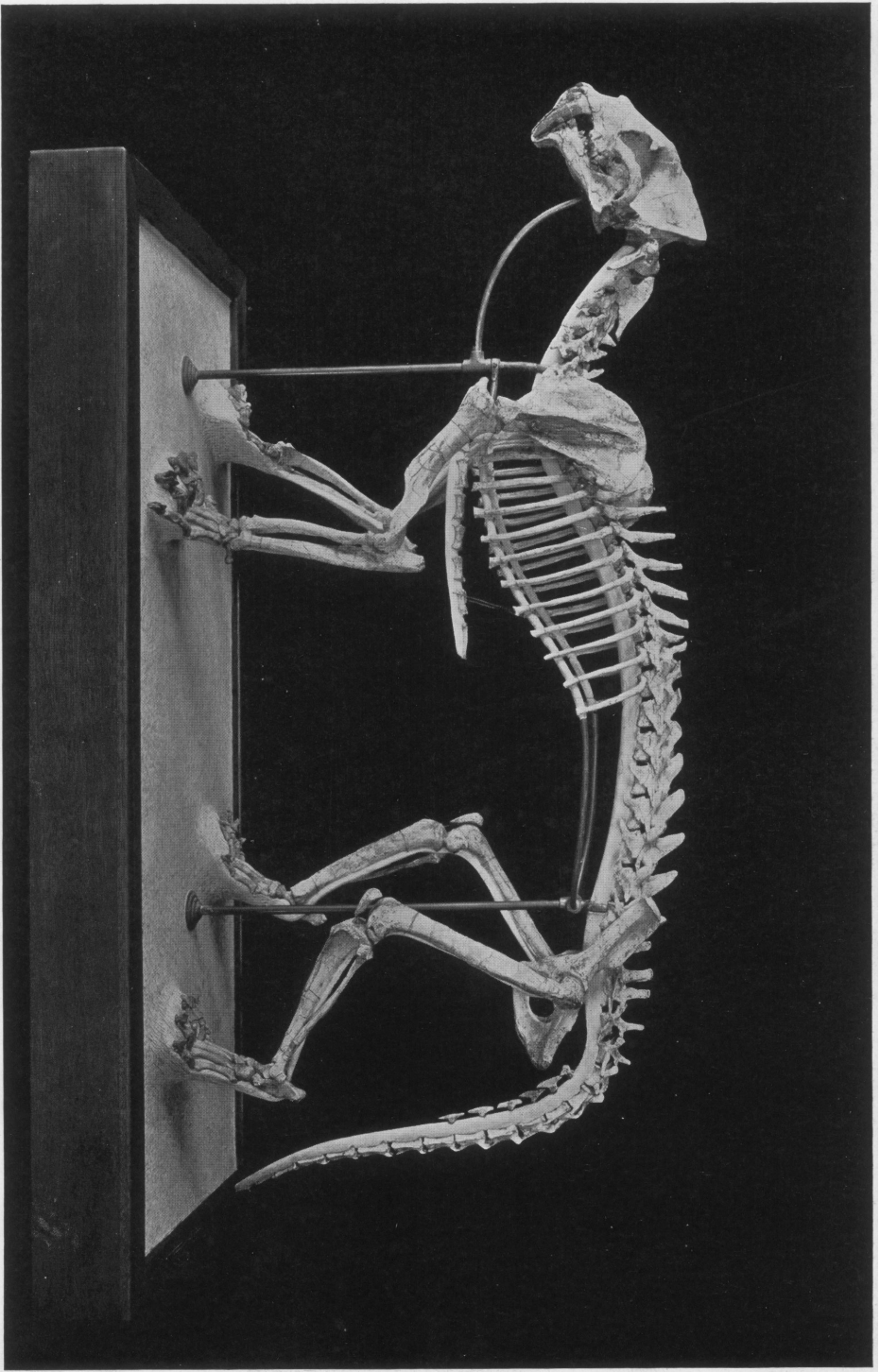
## THROUGH MUSEUM EXPEDITIONS.

- ✓ *In Jurassic Fossil Beds of Wyoming.*
- ✓ 131 Specimens of Dinosaurs—parts of skulls and skeletons, limbs or separate bones—from Bone Cabin Quarry. Some of these are more complete than any previously found at this locality, others represent genera and species new to our collections.
- ✓ 1 Specimen of *Brontosaurus*, including more than half the skeleton, from the Nine Mile Quarry. This Dinosaur was of the largest size, and the bones are very finely preserved.
- ✓ Part of the skeleton of a Crocodile from the Nine Mile Quarry.
- ✓ Part of the skeleton of an Ichthyosaur from the marine strata near Bone Cabin Quarry.
- ✓ *In Tertiary Fossil Beds of Texas.*
- ✓ 13 Specimens from the Upper Miocene beds of the Staked Plains, including a fine skull and large part of the skeleton of a Primitive Mastodon with four tusks.



**SKELETON OF LARGE MOSASAUR OR MARINE LIZARD**  
**Thirty feet long, mounted exactly as discovered in Cretaceous chalk. Placed in Marine Reptile Corridor. 1899**





SABRE-TOOTH TIGER FROM SOUTH DAKOTA  
Absolutely perfect fossilized skeleton, mounted in such a way that every bone can be removed for purposes of study. 1899





- ✓ 28 Specimens from the Pleistocene beds of the Staked Plains, including five more or less complete skeletons of the Fossil Horse and a fore limb of the Mammoth.

RECEIVED IN EXCHANGE FOR DUPLICATES OR CASTS SENT OUT FROM THE AMERICAN MUSEUM.

- ✓ From Royal Saxon Geological Survey, Leipsic, through Dr. H. Credner, 29 skeletons showing all stages of the development of the Primitive Amphibian *Branchiosaurus*. This is a valuable series, and of great scientific interest.
- ✓ From Museum of the Kingdom of Bohemia, Prague, through Dr. Anton Fritsch, casts of twenty fossil vertebrates in the Prague Museum.
- ✓ From Museum of Natural History, Lyons, France, through Dr. E. Lortet, casts of three and original specimens of ten species of fossil mammals from the Miocene beds of France.
- ✓ From Museum of Palæontology, Paris, France, through Prof. A. Gaudry, casts of five specimens of fossil mammals in the Paris Museum.
- ✓ From the Museum of University of Lyons, through Prof. C. Depéret, 47 specimens of fossil mammals from the Eocene and later strata of France.
- ✓ From Royal Bavarian Museum, Munich, Saxony, through Prof. K. von Zittel, casts of seven specimens of fossil vertebrates in the Munich Museum.

COLLECTIONS SENT OUT IN EXCHANGE TO FOREIGN MUSEUMS.

- ✓ To Royal Saxon Geological Survey, Leipsic, 17 specimens of American fossil mammals, mostly from the Eocene of the West.
- ✓ To Natural History Museum of Lyons, France, 14 specimens of American fossil mammals and a colored model of the Duck-Billed Dinosaur.

DEPARTMENT OF ANTHROPOLOGY.

BY DONATION.

- ✓ CAPT. STANLEY AMSBURY, through Warren G. F. Slover, of New York City.  
 ✓ 1 hat and 2 rain-coats from Japan.
- MISS C. P. ARNOLD, New York City.  
 ✓ A spinning-wheel.
- DR. A. N. BROCKWAY, New York City.  
 A Dakota Indian shirt.
- MRS. JOHN CROSBY BROWN, New York City.  
 A rattle from Japan and a Zulu shield.
- MRS. H. M. CONVERSE, New York City.  
 1 Bark bowl (Iroquois), 1 basket (Klamath).
- ✓ MRS. SALLY MORRIS CORY, New York City.  
 Opium-smoker's outfit from China.
- ✓ G. W. COTTERRILL, New York City.  
 Archæological specimens and human skeletons from Santa Catalina Island, California.
- ✓ MRS. F. L. CROSS, Redlands, Cal.  
 4 Indian baskets from California.

- ✓ J. DORENBERG, Leipzig, Germany.  
2 Aztec silver bells from the Valley of Mexico.
- ✓ W. J. ELLIOT, New York City.  
Potsherds and argillite points from Pelham Park, N. Y.
- ✓ LIEUT. G. T. EMMONS, Princeton, N. J.  
1 dice and counters (Tlingit), 1 labret (Eskimo) from Alaska.
- ✓ FRANCIS E. FOSHAY, New York City.  
1 Spear-head and a broken banner-stone from Yorktown Heights, Westchester Co., N. Y.
- ✓ MRS. ESTHER HERRMAN, New York City.  
3 bone implements and chips of chalcedony, dredged from the Alafia River, Florida.
- ✓ W. L. HILDBURGH, New York City.  
11 photographs of archæological specimens from New York State, an Indian mortar from Canandaigua, Cayuga Co., N. Y.
- ✓ DR. A. HRDLÍČKA, New York City.  
1 painted skin robe of the Utes of Southern Colorado.
- ✓ C. P. HUNTINGTON, New York City.  
Collection of pottery, garments, and utensils, from the Southwestern Pueblos.
- ✓ THE DUKE OF LOUBAT, New York City.  
Casts (made from Peabody Museum moulds) of altars and stelæ from Copan and Quirigua, of detached sculptures and hieroglyphic steps from Copan, and of bas-reliefs from Chichen Itza, Yucatan, and from Seibal, Guatemala; 2 copies on cloth of ancient Mexican picture-writing (called Lienzo de Zacatepec and Lienzo de Coixtlahuaca-Oaxaca) from the State of Oaxaca (originals in the Ethnographical Museum, Berlin); copy of a reproduction of the pre-Columbian Nahuatl Codex Cospiano, formerly known as the Bologna (original in Bologna); copy of the pre-Columbian Nahuatl Codex Borgiano (original in Rome); copy of the post-Columbian Nahuatl Codex Telleriano Remensis (original in Paris); collection of archæological specimens from the States of Jalisco and Michoacan, Mexico, and from the Republic of Guatemala, collected by Dr. Eduard Selser.
- ✓ M. MARIANI, Paris, France.  
Cast of a "poporo" or gourd for coca lime, from Colombia, S. A.
- ✓ H. R. MOLLER, South Orange, N. J.  
12 photographs of hammocks (taken from valuable specimens in Museum of the Peabody Academy of Science, Salem, Mass.)
- ✓ DR. GEORGE W. NASH, Kingsbridge, N. Y.  
Piece of grass-cloth from the Congo.
- ✓ PEARY ARCTIC CLUB, New York City.  
Infant's clothing from Smith Sound, Eskimo remains found in Ellesmere Land.
- ✓ MRS. HARLAN I. SMITH, New York City.  
Speaker's staff from Fort Rupert, B. C., painted box from Nimpkish River, B. C.
- ✓ HARLAN I. SMITH, New York City.  
Mortar and pestle of the Ojibwa Indians, several skeletons of Indians from near Saginaw, Mich.

✓ **SOUTH AMERICAN EXPLORATION COMPANY, New York City.**

Terra-cotta figures, vessels and fragments, 3 gold ear ornaments, and various objects of bone and stone. Collected by F. C. Nicholas in Colombia, S. A., and presented by Mr. James L. Truslow.

✓ Archæological specimens from Colombia, S. A., and from Costa Rica.

All collected by F. C. Nicholas, and presented by stockholders of the South American Exploration Company.

✓ **DR. ROLAND STEINER, Grovetown, Ga.**

Fragments of soapstone pots and other objects of soapstone from an Indian quarry at Grovetown, Ga.

✓ **MR. NEWTON STOKES.**

Desiccated and ornamented human head from the Upper Amazon River.

✓ **L. M. TURNER, New York City.**

Small axe of green stone from Porto Rico.

✓ **FELIX VON LUSCHAN, Berlin, Germany.**

2 Drains for infants' cradles from Kurds, Asia Minor.

✓ **WILLIAM WALLACE, New York City.**

3 Stone arrow-points from Schoharie, N. Y.

✓ **HAROLD WARNER, New York City.**

Eskimo boot.

✓ **THOMAS H. WHELESS, Austin, Tex.**

"Mano" from east of Cetatlan, Guerrero, Mex.

**FROM MUSEUM EXPEDITIONS.**

Directed by the Department of Anthropology.

✓ **THE JESUP NORTH PACIFIC EXPEDITION.** Provided for by Morris K. Jesup.

A collection of implements and utensils from the Eskimo of Alaska.

✓ Collected by Miner Bruce.

Specimens from Kenai. Collected by Lieut. G. T. Emmons.

✓ A collection illustrating the ceremonials and industries of the Indians of Fort Rupert, B. C. Collected by George Hunt.

✓ Specimens from the Shushitna River, Alaska. Collected by A. Beverly Smith.

✓ Archæological collections from the shell mounds of the State of Washington; ethnological specimens from the State of Washington; archæological collections from the cairns and shell mounds of southern Vancouver Island; archæological and ethnological collections from Lillooet, B. C.; archæological collection from Nicola Valley, B. C. Collected by Harlan I. Smith.

✓ Ethnological collection from Lillooet and Thompson River, B. C. Collected by James Teit.

✓ **THE HYDE SOUTHWESTERN EXPEDITION.** Provided for by B. Talbot B. Hyde and F. E. Hyde, Jr.

A large collection of archæological objects and skeletons from the prehistoric Pueblo Bonito and other ruins and burial-places in New Mexico, and many photographs showing excavations and objects as found; casts and photographs of Navajo, Ute, and Apache Indians; also an extensive collection of prehistoric objects from burial-caves in the Grand Gulch region of southwestern Utah. Collected by F. E. Hyde, Jr., G. H. Pepper, Richard Wetherill, Ales Hrdlicka, Richard Dodge, F. W. Putnam.

EXPLORATIONS IN THE DELAWARE VALLEY. Provided for by Dr. F. E. Hyde.

- ✓ Human skeletons and various implements, pottery, etc., from ancient village sites and burial-places; implements from the gravel deposits at Trenton, N. J.; bone of a musk-ox, and piece of a human femur from the glacial gravel, and a fragment of a human skull from the talus; photographs, drawings, and manuscript report of explorations. Collected and reported by Ernest Volk.

HUNTINGTON CALIFORNIA EXPEDITION. Provided for by C. P. Huntington.

- A collection of basketry, utensils, and ornaments from the Indians of northern California; also photographs and plaster casts of Indians. Collected by Roland B. Dixon.

JESUP ARAPAHO EXPEDITION. Provided for by Mrs. Morris K. Jesup. Specimens illustrating the industries and ceremonials and art of the Arapaho Indians of Indian Territory. Collected by Alfred L. Kroeber.

MEXICAN EXPEDITION. Indian costume from Tehuantepec, and archaeological specimens from the Valley of Mexico. Collected by Marshall H. Saville.

ARCHÆOLOGICAL EXPLORATION AT PELHAM BAY, NEW YORK. Provided for by Theodore Cooper, New York City.

- Indian skeletons, pottery, stone implements, animal bones, and various other objects found in the exploration of an Indian village site and burial-place in Pelham Park. Collected by Raymond Harrington.

ARCHÆOLOGICAL EXPLORATIONS IN THE STATE OF NEW YORK. Provided for by William R. Warren, New York City.

- Indian skeletons, pottery, stone implements, and various objects of Indian make, with a clay pipe and other objects obtained by the Indians from the early settlers, found during the exploration of an Indian burial-place at Croton Neck. Collected by Raymond Harrington.

Stone implements, potsherds, and animal bones from an exploration of an Indian site in Schoharie County. Collected by M. H. Saville.

- ✓ Stone implements, potsherds, bone implements, and other specimens from several shell-heaps and Indian village sites in Westchester and Rockland Counties and on Long Island. Collected by Raymond Harrington.

#### BY EXCHANGE.

BRITISH MUSEUM.

Swords and knives from the Upper Congo.

MRS. JOHN CROSBY BROWN, New York City.

Musical instrument from New Britain; paddle, shields, and mask from New Guinea; mask from British Columbia.

MRS. S. S. FRISHMUTH, Philadelphia, Pa.

Musical instruments from Japan.

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

Ethnological specimens from the Alaskan Eskimo; 1 medicine pouch of Sioux Indians.

P. B. RANDOLPH, State of Washington.

Bowl and 2 potsherds from the Yukon Valley.

PEABODY MUSEUM, Harvard University, Cambridge, Mass.

Ancient hat from Nootka Sound Indians; cast of two-handed poi pestle from Hawaii; archæological specimens from Bristol, Conn.

BY PURCHASE.

✓ Model of a catamaran, clothing of Alaskan Indians.

✓ 4600 leaf-shaped flints and a large copper axe and other specimens from a mound cache on Bæhr Farm, Brown Co., Ill. Collected by Dr. J. F. Snyder, of Virginia, Ill.

A general collection illustrating the costumes, implements, and weapons of the Eskimo of Chesterfield Inlet and Wager River, west coast of Hudson Bay and of Southampton Island; also a number of specimens from Boothia Felix, Fury and Hecla Strait, and from Savage Island. Collected by Capt. George Comer, of East Haddam, Conn.

✓ Iroquois masks, wands, and wampum, and a stone pipe. Collected by Mrs. H. M. Converse, of New York City.

✓ Photographs of antiquities from Colombia, S. A., including the large collection of gold ornaments exhibited at the World's Fair of 1893.

✓ Eskimo suit from South Greenland.

✓ Ethnological specimens from the Blackfeet Indians. Collected by George Bird Grinnell, of New York City.

✓ Archæological specimens from the State of Chiapas, Mex.

✓ Grooved stone axe from three miles south of Milwaukee.

✓ Necklace from Boruca tribe, Costa Rica. Collected by Dr. Ph. J. J. Valentini.

✓ Sugar-making apparatus of Ojibwa Indians. Collected by F. W. Waugh, of Toronto, Can.

✓ Mummy of a child, three skulls, and a few ornaments found in grave at Pacasmayo, Peru. Collected by Gabriel Weil, of New York City.



# INCORPORATION.

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## AN ACT

TO INCORPORATE THE

## AMERICAN MUSEUM OF NATURAL HISTORY,

Passed April 6, 1869.

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

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

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





CONSTITUTION  
OF THE  
AMERICAN MUSEUM OF NATURAL HISTORY,  
IN THE CITY OF NEW YORK.

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ARTICLE I.

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

ARTICLE II.

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

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### 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.  
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Miss C. L. WOLFE.\*  
ROBERT COLGATE.\*  
FREDERIC W. STEVENS.  
PERCY R. PYNE.\*  
JAMES M. CONSTABLE.\*  
JOHN B. TREVOR.\*  
ADRIAN ISELIN.  
HUGH AUCHINCLOSS.\*  
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ABRAM S. HEWITT.  
C. VANDERBILT.\*  
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CHARLES LANIER.  
D. JACKSON STEWARD.\*  
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A. G. PHELPS DODGE.  
JAMES BROWN.\*  
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JOSEPH H. CHOATE.  
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Miss PHEBE ANNA THORNE.  
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RICHARD T. WILSON.  
JOHN E. PARSONS.  
FRANCIS O. MATTHIESSEN.

\* Deceased.

A. J. FORBES-LEITH.  
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 JOHN B. MARCOU.  
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 JOHN ALSOP KING.  
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 WM. M. KINGSLAND.  
 PERCIVAL KNAUTH.  
 GEORGE T. KNIGHT.

\* Deceased.

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 FRANCIS LYNDE STETSON.

\* Deceased.

ADOLPH D. STRAUS.	H. D. VAN NOSTRAND.*
ISIDOR STRAUS.	HERMAN C. VON POST.
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C. VANDERBILT.*	JOHN H. WYMAN.*
GEO. W. VANDERBILT.	MRS. JOHN J. WYSONG.

\* Deceased.

## ANNUAL MEMBERS.

Abegg, Henry	Appleton, Daniel	Ballantine, Robert F.
Abegg, J. H.	Appleton, W. W.	Ballin, Gustav
Abeel, George	Archbold, John D.	Bangs, Fletcher H.
Acker, Franklin	Archer, George A.	Bangs, L. Bolton, M.D.
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 Bernheimer, Simon  
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 Bier, Sylvan  
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 Bliss, George T.  
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 Bloodgood, John H.  
 Blossom, Benj.  
 Blumenstiel, A.  
 Blumenthal, Aug.  
 Blumgart, Louis  
 Boas, Emil L.  
 Boettger, Henry W.  
 Bogert, Henry A.  
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 Briesen, Frank von  
 Briesen, R. von  
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 Browning, Wm. H.  
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 Calder, George  
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 Calman, Henry L.  
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 Chesebrough, Robert A.  
 Chichester, Chas. F.  
 Chisolm, George E.  
 Chittenden, J.  
 Church, E. Dwight  
 Cisco, John J.  
 Clark, Cyrus  
 Clark, George C.  
 Clark, William N.  
 Clarke, Charles C.  
 Clarke, George C.  
 Clarke, Thomas B.  
 Clarkson, Frederick  
 Clausen, George C.  
 Cleveland, Treadwell  
 Clinch, Edward S.  
 Cochrane, John W.  
 Coffin, Chas. H.  
 Coffin, Edmund  
 Coggeshall, Edwin W.  
 Cohen, Samuel M.  
 Colgate, Abner W.  
 Colgate, R. R.  
 Collins, Miss Ellen  
 Collins, Wm. G.  
 Compton, A. T.  
 Conger, Henry C.  
 Conkling, Rev. Dr. N. W.  
 Constable, Frederick A.  
 Cook, Chas. T.  
 Cooke, Henry D.  
 Cornell, R. R.  
 Corning, Christopher R.  
 Coster, C. H.  
 Costello, P. C.  
 Crawford, R. L.  
 Crawford, Thomas  
 Crocker, George Aug.  
 Cross, Richard J.  
 Cummings, Richard  
 Currier, G. C.  
 Curtis, Warren  
 Cutting, Robt. Fulton  
 Cutting, W. Bayard  
 Dalley, Henry  
 Davenport, Ira  
 Davids, David F.  
 Davies, William G.  
 Davis, Benjamin P.  
 Davis, Joseph P.  
 Davison, C. A.  
 Day, Edward G., M.D.  
 Day, Henry M.  
 DeBuys, A.  
 Decker, Joseph S.  
 Deeves, Richard  
 Delafield, Maturin L.  
 Derby, Richard H.  
 de Forest, Robert W.  
 De Rham, Charles

- deCoppet, Henry  
 DeKlym, B. F.  
 DeVinne, Theo. L.  
 De Witt, George G.  
 Dewitt, William G.  
 Dexter, Henry  
 Dickie, E. P.  
 Dickey, Mrs. Hugh T.  
 Diestel, Wm.  
 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.  
 Dormitzer, Mrs. Henry  
 Doude, James R.  
 Doughty, Mrs. Alla  
 Dows, Mrs. David, Jr.  
 Douglass, Alfred  
 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  
  
 Edgell, George S.  
 Edwards, James M.  
 Eimer, August  
 Einstein, David L.  
 Einstein, I. D.  
 Elder, Mrs. M. A.  
 Ellis, John W.  
 Ellsworth, Wm. W.  
 Ely, Miss Elizabeth L.  
 Eno, Amos F.  
 Erbsloh, R.  
 Ettlinger, Louis  
  
 Evans, Richard  
 Evans, William T.  
 Evarts, W. M.  
  
 Fahnestock, H. C.  
 Fairchild, Charles S.  
 Fargo, James C.  
 Farnham, Mrs. Horace P.  
 Fatman, Morris  
 Ferris, Frank A.  
 Fischer, B.  
 Fisher, F. R.  
 Fisher, Herman C.  
 Flagler, John H.  
 Fletcher, Andrew  
 Flint, Miss Helena  
 Flower, A. R.  
 Flower, Frederick S.  
 Foote, C. B.  
 Ford, James B.  
 Forster, Wm.  
 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.  
 Frothingham, H. P.  
  
 Gadd, Luther G.  
 Gade, W. F.  
 Garland, James A.  
 Gay, Joseph E.  
 Gerber, E.  
 Gibb, John  
 Goddard, F. N.  
 Godfrey, Chas. H.  
 Godkin, Edwin L.  
 Goldschmidt, Geo. B.  
 Goebel, Lewis S.  
 Goodridge, Mrs. Frederick  
 Gossler, G. H.  
  
 Gotthold, Fred.  
 Grace, Wm. R.  
 Gracie, J. K.  
 Green, Horace  
 Greenwood, Isaac I.  
 Greff, Ernest F.  
 Gregory, Chas. E.  
 Guggenheimer, Randolph  
 Guindon, Eugene W.  
 Gulliver, William C.  
 Gurnee, W. S.  
  
 Haber, Louis I.  
 Hague, James D.  
 Hall, Mrs. John H.  
 Halls, William, Jr.  
 Halsted, Miss Mary M.  
 Hardenbergh, J. P.  
 Harper, Mrs. Joseph W.  
 Harris, Alfred  
 Hartley, Marcellus  
 Hasslacher, Jacob  
 Hatch, Henry D.  
 Hatzel, Frederick H.  
 Havemeyer, J. C.  
 Haven, J. Woodward  
 Haviland, Edwin  
 Hawk, Wm. S.  
 Hawley, Edwin  
 Hayes, R. Somers  
 Haynes, A. E.  
 Hecksher, John G.  
 Hedges, James  
 Heide, Henry  
 Heinsheimer, L. A.  
 Heminway, Homer  
 Hendricks, Edmund  
 Hershheim, Joseph  
 Heroy, Mrs. James H.  
 Higbie, Wm. H.  
 Higgins, Francis  
 Hill, Geo. H. B.  
 Hilyard, George D., Jr.  
 Hinchman, Walter  
 Hinman, W. K.  
 Hinton, J. H., M.D.



Hoadly, George	Judson, Alfred M.	Lewis, Mrs. John V. B.
Hoagland, Mrs. Jos. C.	Kahn, Otto H.	Lewis, Richard V.
Holden, E. B.	Kellogg, L. Lavin	Lewishon, Mrs. Leonard
Holden, E. R.	Kellogg, Mrs. Chas.	Littlefield, Frederick M.
Holly, Henry H.	Kemp, Edward	Livingston, Edward
Holmes, Wm. H.	Kendall, Edward H.	Livingston, Julius I.
Holt, Henry	Kennedy, John S.	Livingston, Wm. S.
Holt, Miss Lydia C.	Kerner, Charles H.	Lloyd, Francis G.
Holt, R. S.	Ketchum, A. P.	Lobenstine, W. C.
Hopkins, George B.	Kevan, William	Lockman, Jacob K.
Horton, Burrett W.	Kilner, S. E.	Loeb, S.
Hoyt, Chas. A.	Kimbel, Henry	Loewi, Valentine
Hoyt, Dr. Ezra P.	King, William F.	Loewy, Benno
Hoyt, Gerald L.	Kingman, Abel Willard	Lord, Benjamin
Hoyt, Samuel N.	Kinnicutt, Dr. F. P.	Lord, Mrs. D. D.
Hubbard, Gen. T. H.	Klatzl, John C.	Louis, Chas. H.
Hunter, Mrs. M. L.	Klenke, William H.	Lounsbery, R. P.
Huntington, A. M.	Knapp, H., M.D.	Low, C. Adolphe
Hüpfel, J. Chr. G.	Knower, Benj.	Ludington, C. H.
Hutton, F. R.	Koch, H. C. F.	Ludlow, James B.
Hyatt, A. M.	Kohlman, Charles	Lueder, A.
Hyde, Clarence M.	Kohn, S. H.	Lummis, Wm.
Hyde, Mrs. Augustus L.	Kohns, L.	Luttgen, Wm.
Hyde, Dr. Frederick E.	Kraus-Boelte, Mrs. Maria	Lydig, David
	Kuttruff, Adolf	
Ireland, John B.		Mack, J. W.
Iselin, Adrian, Jr.	Ladew, Mrs. H. S.	Mackenzie, Duncan E.
Iselin, C. Oliver	Lagowitz, Miss H. L.	Mackey, Oscar T.
Iselin, Wm. E.	Landon, Francis G.	Macy, George H.
	Lange, Dr. F.	Macy, I. Augustus
Jackson, Charles A.	Lange, J. D.	Maitland, Robert L.
Jackson, Geo. T., M.D.	Langeloth, J.	Malcolm, W. L.
Jackson, John B.	Langmann, G., M.D.	Malin, H. E.
Jackson, Wm. H.	Lapham, Lewis H.	Man, William
Jacobus, John S.	Lapham, S. V.	Mansfield, Howard
Jaeger, Francis M.	Lathers, Richard	Markoe, Dr. Thos. M.
Jaffray, Robert	Lauderdale, J. V., M.D.	Marlor, Henry S.
Janeway, E. G.	Lavelle, Rev. Michael J.	Marshall, Charles H.
Jaques, George B.	Lawrence, Cyrus J.	Martin, W. M.
Jenkins, Wm. L.	Lawrence, Mrs. Samuel	Mayer, Emil, M.D.
Jeremiah, Mrs. H.	Layng, James D.	McAlpin, C. W.
Jesup, Jas. R.	Leaycraft, J. Edgar	McAlpin, D. H.
Johnston, T. V., Jr.	Legg, George	McAlpin, George L.
Jones, Oliver L.	Lehman, E.	McClintock, Emory
Jones, Walter M.	Leshner, A. L.	McComb, J. Jennings
		McCready, Mrs. C. A.

McCurdy, Richard A.	Olyphant, R. M.	Raymond, Charles H.
McDonald, John E.	Olyphant, Robert	Read, Wm. A.
McIntyre, Ewen	Oppenheimer, Dr. H. S.	Reilly, James
McKee, Russell W.	Otis, A. Walker	Renwick, Edward S.
McKim, Rev. Haslett, Jr.	Owen, Mrs. Thomas J.	Rhineland, Chas. E.
McLean, George H.	Owens, Wm. W.	Rhoades, J. Harsen
Merrall, William J.		Richard, Auguste
Metcalfe, John T., M.D.	Paddock, Eugene H.	Riker, John L.
Meyer, Thomas C.	Palmer, N. F.	Riker, Samuel
Metz, Herman A.	Palmer, S. S.	Riker, Wm. J.
Middleton, A. D.	Park, Joseph	Robbins, Rowland A.
Mildeberger, Mrs. John	Parker, Forrest H.	Robbins, S. Howland
Milholland, John E.	Parrish, James C.	Roberts, Miss Mary M.
Miller, D. S.	Parsell, Henry V.	Rogers, Henry H.
Miller, Geo. Macculloch	Parsons, Mrs. Edwin	Rogers, Noah C.
Milmine, George	Parsons, W. H.	Roosevelt, Charles H.
Mitchell, Alfred	Patterson, Edward	Roosevelt, Robert B.
Mitchell, Chas. E.	Peabody, Arthur J.	Roosevelt, W. Emlen
Mitchell, Dr. H. W.	Peabody, George Foster	Root, Elihu
Mitchell, John J.	Peck, Charles E.	Rothschild, J.
Moffat, George Barclay	Pell, Frederick A.	Rowland, George
Moller, Peter, Jr.	Pell, John H.	Ruprecht, Philip
Moore, Francis C.	Pellew, Henry E.	Russak, Jacob
Moore, Mrs. W. D.	Penfold, Wm. Hall	
Moore, W. H. H.	Penniman, George H.	Sage, Russell
Morewood, George B.	Pentz, Frank R.	Saltus, J. Sanford
Morgan, George H.	Perry, William A.	Sands, Andrew H.
Morris, Henry Lewis	Peters, Edward McClure	Sands, Daniel C.
Morrison, Edward A.	Peters, Samuel T.	Sands, Mrs. B. Aymar
Morrison, George A.	Peters, W. R.	Sauter, Fred
Moss, John H.	Peterson, Frederick, M.D.	Sayre, Lewis A., M.D.
Muller, Carl	Peterson, Mrs. Wilson	Schaefer, Edward C.
	Phillips, Guy	Schaefer, Hermann
Navarro, Juan N.	Pickhardt, Carl	Schafer, Samuel N.
Nelson, Frank G.	Pinkus, F. S.	Schafer, Simon
Nelson, Wm.	Platt, Isaac S.	Schefer, Carl
Nichols, George L.	Platt, John R.	Scheitlin, Edward
Nichols, John W. T.	Powel, de Veaux	Schiff, Mortimer L.
Nisbet, William F.	Powell, Wilson M.	Schernikow, Ernest
Nott, Frederick J.	Pray, Joseph M.	Schott, Charles M., Jr.
	Pryer, Charles	Schultze, John S.
Ogilvie, James H.	Purdy, Wm. Macneven	Scribner, Mrs. J. Blair
Olcott, E. E.	Putnam, George L.	Scudder, Hewlett
Olcott, F. P.	Putnam, Mrs. Albert E.	See, Mrs. Horace
Olmstead, Dwight H.	Putney, W. B.	Seligman, Isaac N.
	Pyle, Jas. Tolman	Sellow, T. G.

- Sennett, George B  
 Seton, William  
 Sharp, W. W.  
 Shattuck, A. R.  
 Sherman, Charles A.  
 Sidenberg, Gustavus  
 Sidenberg, Richard  
 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.  
 Squibb, Edw. H., M.D.  
 Squires, Grant  
 Stachelberg, Mrs. M.  
 Stanton, John  
 Stanton, J. R.  
 Starin, John H.  
 Stearns, John Noble  
 Stebbins, Jas. H.  
 Steers, Henry  
 Steinway, Fred. T.  
 Stephens, Benjamin  
 Stern, Benjamin  
 Stewart, Lispenard  
 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  
 Stratford, Wm.  
 Strong, Wm. L.
- Sturges, Henry C.  
 Sturgis, F. K.  
 St. John, Wm. M.  
 Sutherland, John L.  
 Sutphen, John S.  
  
 Taber, John R.  
 Tailer, Edward N.  
 Taintor, C. M.  
 Taintor, Charles N.  
 Talcott, James  
 Talmadge, Henry  
 Tandy, Rev. P. W.  
 Taylor, Mrs. Aug. C.  
 Taylor, George  
 Taylor, Stevenson  
 Tefft, F. Griswold  
 Tefft, Wm. E.  
 Tesla, Nikola  
 Thomas, T. G., M.D.  
 Thomson, Eugene  
 Thomson, Giraud F.  
 Thompson, W. Prall  
 Thorne, W. V. S.  
 Tierney, Myles  
 Tiffany, Louis C.  
 Tillinghast, W. H.  
 Titus, E., Jr.  
 Toel, William  
 Tonnelé, John L.  
 Toothe, William  
 Townsend, R. H. L.  
 Townsend, R. W.  
 Tracy, J. Evarts  
 Trevor, H. G.  
 Trevor, Mrs. John B.  
 Twombly, H. McK.  
  
 Ullmann, E. S.  
 Valentine, Mrs. Lawson  
 Valentine, Wm. A., M.D.  
 Van Brunt, Cornelius  
 Van Brunt, Hon. C. H.  
 Van Emburgh, D. B.  
 von Hagen, Hugo
- Van Ingen, Edward H.  
 Van Norden, Warner  
 Van Norden, Warner M.  
 Van Santvoord, A.  
 Van Vleck, Joseph  
 Van Winkle, Edgar B.  
 Van Winkle, Miss E. S.  
 Vandervoort, W. L.  
 Veit, Richard C.  
 Vredenburgh, Wm. H.  
  
 Wales, Salem H.  
 Walker, William I.  
 Wallace, Lewis  
 Wallach, Antony  
 Wardwell, Wm. T.  
 Warner, Lucien C.  
 Warren, W. R.  
 Waterbury, John I.  
 Watson, Miss Emily A.  
 Weatherbee, Mrs. E. H.  
 Weed, Benjamin  
 Weed, Geo. E.  
 Weekes, John A.  
 Wehrhane, Chas.  
 Wertheim, H. P.  
 Westcott, Robert E.  
 Westmore, Dr. John McE.  
 Wheelock, Geo. G., M.D.  
 Wheelock, Wm. A.  
 White, Horace  
 Whitehead, Charles E.  
 Whitehouse, J. Henry  
 Whitney, Alfred R.  
 Wickes, William  
 Wickes, Edward A.  
 Wickham, Delos O.  
 Williams, George G.  
 Williams, Richard H.  
 Wills, Charles T.  
 Wills, Wm.  
 Wilson, George  
 Wilson, John  
 Wilson, Washington  
 Wing, John D.  
 Winthrop, Egerton L.

*Deceased Members.*

Witherbee, Frank S.	Wright, Benjamin	Zabriskie, Andrew C.
Wood, Mrs. Henry R.	Wright, Miss F. E.	Zickel, S.
Woodward, F. F.	Wurzburger, A.	Zinsser, Aug.
Wormser, Isidor		Zinsser, Wm., Jr.
Wray, Miss Cornelia S.	Young, Edward L.	Zollikoffer, O. F.
	Youmans, Ephraim M.	

## DECEASED ANNUAL MEMBERS,

1899.

Agnew, John T.	Graham, Malcolm	Moir, James
Alexander, Henry M.	Hill, James K.	Stechert, Gustav E.
Appleton, Wm. H.	Hawley, Henry E.	Steers, Edward P.
Bianchi, F.	Hoagland, Joseph C.	Taylor, Peter B.
Collins, Miss M. M.	Kraus, William	Turnure, Lawrence
Daly, Augustin	Livingston, H. T.	Van Pelt, G. S.
Daly, Chas. P.	Mali, Charles	Voorhis, Wm. W. L.
Elliott, George	Mitchill, Mrs. S. L.	Webb, W. H.

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## In Memoriam.

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On the occasion of the Regular Quarterly Meeting of the Trustees of the American Museum of Natural History, held November 13th, 1899, the following minute was unanimously adopted :

*Resolved*, That the Trustees of the AMERICAN MUSEUM OF NATURAL HISTORY wish to place on lasting record their deep sense of loss in the death of their late associate,

### **CORNELIUS VANDERBILT,**

and their warm appreciation of his high character and great usefulness. He was for twenty-one years a Trustee, and during that time served for eight years as a member of the Executive and Auditing Committees.

Always greatly interested in the work of the Museum he not only contributed largely to its funds, but gave freely of his time and influence to promote its welfare. His calm, wise judgment, his unfailing courtesy, his liberal views, his quick understanding and his personal charm made him an invaluable member of our councils. Always simple, unassuming and deferring to the views of others, his experience, ability and position rendered his aid of large service.

A patriotic citizen, he was interested in everything that tended to the welfare of the country and the city. He gave largely to all civic, philanthropic and Christian causes. He devoted his time and strength to all good things with

conscientious fidelity, which furnished an object lesson of great value. He was a fine type of a high-minded gentleman, holding his large wealth and power for good as a trust for God and for his fellow men. His genial presence will be sadly missed, and his memory will always be held in tender and affectionate regard.

*Resolved,* That this minute be placed on the Records of the Museum, and a copy be sent to the family of Mr. VANDERBILT.



At the Regular Quarterly Meeting of the Trustees of the American Museum of Natural History, held May 14th, 1900, President Morris K. Jesup reported the death of First Vice-President JAMES M. CONSTABLE.

In announcing Mr. Constable's decease, the President paid the following tribute to his memory :

"It is my sad duty to announce the death of our late colleague, Mr. JAMES M. CONSTABLE. He passed away on Saturday evening last, without suffering and with undimmed faculties up to the time of his death. He died as he had lived.

"We shall keenly feel the loss of his presence with us ; I more than any of his associates here. He was my friend in all that the word stands for ; he was my counselor and my advisor in administering the many and varied details of the work of the Museum ever since my election to the Presidency of this Board.

"Mr. CONSTABLE'S interest in the Museum was an active one, frequently leading him to visit the several departments to observe the progress of their work.

"As Chairman of the Executive Committee, he was very punctual in attendance at its meetings, which, with few exceptions, have been held either at his office or his residence.

"Mr. CONSTABLE possessed full knowledge of the lesser as well as the greater details of the Museum's work, and his wisdom, ripe experience and judgment were invaluable to me ; I always felt secure in seeking his counsel in the management of the affairs of the Institution. His death is a personal loss to myself, and I shall miss far more than mere words may express, his gentleness, his

helpful aid, his ever-present courtesy and encouragement. I have caused to be prepared and ask leave to present the following minute: "

On the twelfth day of the present month the American Museum of Natural History sustained a great loss in the death of

## **JAMES MANSELL CONSTABLE.**

Mr. CONSTABLE became a Fellow of the Museum in 1871, and was elected to its Board of Trustees in the following year. He served as a Member of the Executive Committee, and was subsequently chosen its Chairman, which position he filled until his death. Mr. CONSTABLE also held the office of First Vice-President, to which he was elected in 1890.

By the generous financial aid of Mr. CONSTABLE, the first relations of the Museum with the cause of public education were established in 1882, and practically formed the beginning of the present Department of Public Instruction of the Museum.

In the performance of the duties which devolved upon him in his official relations to the Museum, Mr. CONSTABLE manifested the patience, sound judgment, sincerity and gentleness which prominently distinguished his character. He was unselfish in giving his earnest and individual efforts and financial support to everything that would promote and develop the growth of the Museum, and his interest in its work was actively expressed until within a few days of his death.

He valued highly his kind and friendly relations with the Trustees, and his associates felt for him the esteem which his wise counsel and never-failing kindness and courtesy justified.

It is directed that this Minute be placed upon the record of the Meeting; that a copy of the same be forwarded to his family, and that this Board, as a body, attend his funeral.

On Motion, the Minute was adopted.

