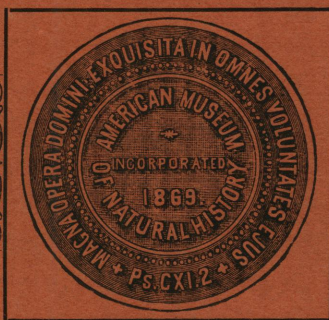


THE
American Museum of Natural History

CENTRAL PARK, NEW YORK CITY.

(77th Street and 8th Avenue.)



ANNUAL REPORT OF THE PRESIDENT,
ACT OF INCORPORATION,
CONSTITUTION, BY-LAWS AND LIST OF MEMBERS
FOR THE YEAR 1892.

PRINTED FOR THE MUSEUM.

THE
AMERICAN MUSEUM OF NATURAL
HISTORY,

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NEW YORK:
PRINTED FOR THE MUSEUM.

1893.

WM. C. MARTIN PRINTING HOUSE

NO. 111 JOHN STREET

NEW YORK

BOARD OF TRUSTEES,

1893.

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* Deceased.

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The President *ex-officio*.

* Deceased.

PROF. ALBERT S. BICKMORE,
Curator of the Department of Public Instruction.

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JAMES TERRY,
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A. WOODWARD, PH.D.,
Librarian.

WILLIAM WALLACE,
Superintendent of Building.

TWENTY-FOURTH ANNUAL REPORT.

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

The progress of the work of the Institution for the year just closed is briefly presented for your consideration.

FINANCES.—The Treasurer's report for the year 1892 shows the receipts to have been as follows:

From the City.....	\$35,413.55
Annual Members' dues.....	6,940.00
Income from Endowment Fund.....	16,790.00
State Department of Public Instruction.....	2,697.00
From the Trustees and other sources....	20,462.00
Total.....	\$82,302.55
Expenditure for maintenance.....	\$66,339.01
Construction of new cases, repairs, etc.....	12,738.45
Additions to the collections.....	23,552.89
Deficiency at beginning of year.....	6,979.16
Total.....	\$109,609.51
Total Expenditures.....	\$109,609.51
Total Receipts.....	82,302.55
"Dr." balance.....	\$27,306.96

The Department of Public Instruction was carried on by the Trustees at a cost of \$4101.70 in excess of the sum received from the State.

ENDOWMENT FUND.—This fund has been increased since the last report by the gift of \$5,000 by Wm. C. Schermerhorn, Esq., and the bequest of a similar amount from the estate of the late Miss Sarah M. Hitchcock.

During the early part of the year the Legislature passed a measure authorizing the Board of Estimate and Apportionment to grant annually \$50,000 in addition to the \$25,000 then authorized by law. The terms of the bill provided that the Museum should be open free to the public every day in the week except Monday, and including Sunday afternoon.

In conformity with this law, the Park Board was empowered with the consent of the Trustees to modify the contract in regard

to the days of opening ; this has been done and the results are gratifying ; the average attendance on Sunday exceeding six thousand persons. The total number of visitors during the year was 412,558.

Chapter 423 of the Laws of 1892 was approved by the Governor, May 2d. Its terms authorized the Board of Estimate and Apportionment to appropriate four hundred thousand dollars for the erection and equipment of an addition to the Museum, and for other purposes therein specified. In conformity with these provisions the Trustees have selected the architects, and plans have been prepared for the building which is greatly needed.

LECTURES.—By arrangement with Columbia College, lectures have been delivered, in coöperation with the Museum, on Natural History subjects ; the results have been eminently satisfactory and have attracted large audiences. The courses comprised Forestry, Astronomy, Mineralogy and Chemistry.

MEETINGS OF SCIENTIFIC SOCIETIES.—The annual exhibition of the New York Microscopical Society was given at the Museum on April 22d, and was attended by twenty-five hundred people.

The joint meeting of the societies composing the Scientific Alliance was held in the lecture hall, and the regular meetings of the American Ethnological Society of New York, Linnæan Society, Entomological Society of New York, and the Mineralogical Society of this city are held in the reading room of the library.

FORESTRY COLLECTION.—The Jesup Collection of Woods has been enriched by the gift from C. P. Huntington, Esq., of an excellent section of the Redwood, and an equally good example of the Giant Sequoia from California.

GEOLOGICAL DEPARTMENT.—A notable addition to this department was three large blocks of limestone from Beirut, Syria, donated by the Protestant College of that place through the Rev. D. Stuart Dodge. The entire collection of minerals has been transferred to the west wing of the new building. The lately purchased Spang Collection of Minerals has been incorporated

with the former collection and has added largely in numbers and interest to the department. The collection now compares favorably with the most important of its kind in the country.

The collections of gems and gem material presented by J. Pierpont Morgan, Esq., has been arranged and displayed in cases specially constructed for this gift. It presents a most attractive appearance, and a more instructive illustration of the uses of gem stones than any similar collection.

The large mass of copper ore, taken from the Anaconda Copper Mine, Butte, Montana, is displayed in the west wing; its weight is 6041 pounds and it is especially rich in both copper and silver. The Trustees are indebted to Mr. James B. Haggin for this unique and valuable specimen.

Examples of gold and silver ores have been received from Mr. D. O. Mills. Specimens of phosphate rock used for artificial fertilizers were presented by Mr. N. B. Powter, and a collection of Corundum "Emery Ores," and samples of the manufactured articles, by L. Best, Esq., of the Sterling Emery Wheel Co. of this city.

THE CONCHOLOGICAL DEPARTMENT has been increased by material added from the extensive collection donated by John J. Crooke, Esq., previously acknowledged. The valuable gift of shells from Mr. D. Jackson Steward was also placed on exhibition. This collection is notable for the extreme beauty and perfection of the specimens, and contains a large number of very rare examples.

DEPARTMENT OF MAMMALS AND BIRDS.—The collections have been increased during the year mainly through donations; 1100 mammals, 400 birds, and 150 reptiles and fishes have been added. The principal gifts have come from Mr. George B. Sennett, Dr. Edgar A. Mearns, U. S. A., and Mr. Leverett M. Loomis, of Chester, S. C. Other important accessions have been received from the late Cyrus W. Field, Mr. C. B. Cory, of Boston, and Mr. Robert H. Lawrence, of Oregon. As usual, many valuable specimens have been received in the flesh from the Central Park Menagerie, through the kindness of the Park Commissioners.

Through the coöperation of the proprietors of the *Illustrated American*, the Museum was enabled to send a collector with their Archæological Expedition to the San Juan region of Colorado, Utah and New Mexico, resulting in the acquisition by the Museum of a large number of mammals and birds. The former proved especially valuable, containing several species new to science.

Early in the year a new "Guide to the Exhibition Collection of Mammals" was published, and the labeling of the collection completed. The entire collection of both birds and mammals is in satisfactory order.

DEPARTMENT OF TAXIDERMY.—The Bison Group, Woodchuck Group and three bird groups have been added during the year. The latter are of a very novel and attractive character.

Fifty mammals and two hundred birds have been prepared and placed on exhibition, the Whale skeleton remounted, and repairs have been made on various other specimens.

BULLETIN.—During the year an entire volume of the Museum Bulletin has been prepared and published, consisting of nearly 400 pages of text, sixteen plates, and over thirty illustrations in the text.

Of the fifteen papers, three, prepared by Professor Henry Fairfield Osborn, Dr. J. L. Wortman, and Mr. Charles Earle, relate to fossil mammals; three, by Professor J. A. Allen, to recent mammals; six, by Professor Allen and Mr. Frank M. Chapman, to birds; and six, by Mr. William Beutenmüller, to insects.

DEPARTMENT OF ENTOMOLOGY.—This department has been greatly enriched and augmented by the acquisition of the well-known collection gathered by the late Henry Edwards, which was partly purchased by the friends of the deceased. Reference was made to this purchase in the report of last year.

The collection consists of about two hundred and fifty thousand specimens of insects from all parts of the globe, and is extremely rich in material from this country.

The Elliot Collection of Butterflies and Moths has been arranged and classified and placed in the cabinets constructed for this purpose. 4000 different specimens of butterflies and moths have been displayed in the desk cases and the gallery floor of the new wing.

There is now on exhibition valuable material from the Drexel, Edwards, Angus, Elliot, Grote and Robinson Collections ; and new material will be displayed as soon as the space can be provided. The collections in the department are in frequent use for reference by specialists and students.

DEPARTMENT OF MAMMALIAN PALÆONTOLOGY.—The plan of the department is to form representative series from each of the twelve successive horizons of the West, in order to present a historical development of the evolution of the mammals in North America. Thus far five horizons have been visited : the Laramie, Puerco, Wahsatch, Wind River and White River.

The first expedition went out in 1891 and explored the Wahsatch and Wind River beds. The department sent a second expedition into the Rocky Mountain region in February, 1892, under Dr. J. L. Wortman, assisted by Mr. O. A. Peterson. They first explored the Puerco beds of northwestern New Mexico, and after two months traveled north to Wyoming into the older Laramie beds, and in July they established a camp in South Dakota. The party was seven months in the field, and added altogether over one thousand specimens to the new collection of fossil mammals.

From New Mexico were procured three hundred specimens which represent some of the oldest forms on the Continent. This collection is of special value because these fossils have been represented hitherto only in one other collection. In the Cretaceous four hundred minute teeth were collected with difficulty ; these are also very rare.

Of much more recent age are the fossils, which include ancestral forms of Tapirs, Horses, Rhinoceroses, of the Deer, Camels, of the older carnivorous animals such as the Cats, besides representatives of many large extinct families. Several of the larger skeletons are sufficiently well preserved to be mounted upon large panels of plaster resembling the sandstone in which they were found originally ; among these are three Rhinoceroses of different types, one of which is as large as the modern Rhinoceros of Sumatra, and is the finest specimen of the kind yet discovered.

All this collection is being worked out of the stone as rapidly as possible, and it is proposed to exhibit it in one end of the new Geological Hall.

We are under obligation to Mr. E. T. Jeffery, President of the Denver and Rio Grande R. R. Co., Marvin Hughitt, Esq., President Chicago and Northwestern Ry. Co., and John King, Esq., President N. Y., L. E. & W. R. R. Co., for courtesies extended to the staff of the department.

DEPARTMENT OF ARCHÆOLOGY AND ETHNOLOGY. — The Terry Collection, containing some 26,000 numbers, has been (with the exception of the material from New York State and Pennsylvania) arranged and placed on permanent exhibition in the new building, occupying cases A B and C and the three desk cases opposite; it also occupies the major portion of case D, and part of E, space being left to interpolate other Museum material. The Sturgis Collection, representing the island life of the Pacific Ocean, has been similarly treated. Lack of space prevents the display of all the material in this collection, and a considerable amount of it is carefully packed and stored, and is waiting the completion of another addition to the Museum.

The important collection of Jadeites, Nephrites and objects of allied material, numbering 494 specimens, gathered by Mr. George F. Kunz, has been purchased by the Trustees. This unique collection will be exhibited early in 1893.

A most important accession to this department and the Museum during the past year is the material obtained by the Henry Villard Expedition to Peru, South America. At present we have received twenty packages containing pottery, textile fabrics, weaving implements, mummies, sculptures and more than three hundred gold, silver and copper ornaments, the result of thorough research and excavation at the ruins of Pachacamac and Surco. Detail plans and colored drawings of these ruins have been made by the explorer. The expedition (supported entirely at the expense of Mr. Villard) has for its object an extended research into the Inca civilization of Peru, and is to cover a period of three years before the completion of the work.

Mr. Ad. F. Bandelier, to whom has been intrusted, by Mr. Villard, this important work, is well known as one of the foremost Archæologists of this country.

LIBRARY.—The growth of the library is of a very gratifying character, the accessions being equal to 2135 volumes. The total number of the latter at the close of the year was in excess of twenty-six thousand. The works on Entomology, composing the library of the late Harry Edwards, were acquired through purchase by the Trustees.

Four hundred volumes have been donated by Alexander I. Cotheal, Esq., and 168 volumes and 369 colored plates of birds, by Mr. Samuel P. Avery. Valuable donations have also been received from the Hon. Levi P. Morton, Hon. Roswell P. Flower, Mr. William E. Dodge, Mr. Morris K. Jesup and Mrs. S. Lawrence. Three large microscopes were presented by Mr. Cotheal.

The Annual Reports and the volume of the Bulletin have been sent to kindred institutions here and abroad.

DEPARTMENT OF PUBLIC INSTRUCTION.—After the close of the Spring Course of Lectures to Teachers (given under the auspices of the State Superintendent of Public Instruction), and the passage by the Legislature of the usual appropriation for continuing this course of instruction, it was a surprise that this item failed to become a law; but believing that upon a fuller knowledge of the public value of this work, the Governor would cordially aid the department to fulfil the terms of the contract with the Museum, the Trustees generously took upon themselves the expense of continuing the work until the next Legislature should convene and make the customary appropriation, and during the last autumn the following course of lectures was delivered to members of the Museum, by Professor A. S. Bickmore, and to which the teachers of New York City were invited :

<i>Oct. 26th</i>	The Atmosphere.
<i>Nov. 2d</i>	Morocco and the Riviera.
“ <i>9th</i>	Mammals of North America.
“ <i>16th</i>	Portugal.
“ <i>23d</i>	Mammals of South America.
“ <i>30th</i>	Central Spain—Madrid.
<i>Dec. 7th</i>	Mammals of Europe and Northern Asia.
“ <i>14th</i>	Southern Spain—The Alhambra.

Lectures were also delivered in the afternoon of Thanksgiving Day, Christmas, New Year's and Washington's Birthday; these latter were free to the public.

MEMBERSHIP.—During the year the following gentlemen have become Patrons : Mr. Henry Villard, Dr. William Pepper and Mr. James Angus.

Mr. Samuel P. Avery, Mr. James H. Jones, James B. Haggin, Esq., and Mrs. Richard P. Dana, have been elected Fellows.

Accessions of life members are Mr. A. N. Towne, Miss Frances Pell, J. W. Reinhart, Esq., Mr. John Alsop King, Mr. William Niven, Mr. William F. Sebert and John King, Esq.

The ceremonies pertaining to the formal transfer of the new building to the Trustees by the Park Commissioners, took place November 2d last, and a detailed statement of the proceedings on that occasion is presented in a later portion of this report.

The important progress of the three preceding years has been repeated during 1892, and unless unforeseen difficulties arise a similar advance may be expected in the future. The Trustees have bestowed their time, attention and money unselfishly in ministering to the best interests of the Institution; they are inspired by an earnest pride in the work of giving to this city and country a Museum filled with the richest treasures from every domain of Natural History ; a Museum that shall be the peer in every respect to the most renowned museums of Europe, and that will offer to the masses of the Empire City a home where they may find that recreation, entertainment and education which serves to elevate and ennoble their life and character.

I desire in closing to refer with gratitude to the faithful service rendered during the year by the several curators and others in charge of departments ; and by all the officers and employés of the Institution.

MORRIS K. JESUP,

President.

ENDOWMENT FUND.

The following amounts have been paid into the Endowment Fund of the American Museum of Natural History during 1892.

Mr. WILLIAM C. SCHERMERHORN, - - - \$5,000 00

Estate of Miss SARAH M. HITCHCOCK, - - 5,000 00

FORM OF BEQUEST.

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

To Balance January 1st, 1892..... \$6,979 16

Endowment :

EXPENDITURES.

To Geological Department	\$107 90	
Mineralogical "	344 14	
Entomological "	78 20	
Reptiles and Fishes Department.....	50 78	
Wolfe Fund—Library.....	41 55	
Bird Groups.....	78 89	
Conchological Department.....	21 80	
Skeleton "	392 86	
Special Account	500 78	
Guides "	816 08	
Annual Reports.....	52 00	
Bulletins	2,151 47	
Spang Collection (Minerals).....	1,570 98	
Appleton Sturgis Collection.....	4,379 38	
Mammal Groups.....	12 88	
Ethnological Department ..	67 61	
Library	450 52	
Mammalogical Department.....	995 42	
Edwards Entomological Collection.....	1,803 00	
Terry Collection.....	3,398 62	
Lumholtz Expedition.....	200 00	
Ornithological Department.....	968 60	
Mammalian Palæontological Department.....	5,069 43	23,552 89

Maintenance :

To Expense Account.....	\$5,687 82	
Labels	1,188 11	
Coal.....	4,259 78	
Annual Reception.....	822 80	
Cases, General.....	4,096 65	
Fixtures and Furniture.....	1,106 97	
Repairs	3,104 51	
Expressage.	421 38	
Stationery.....	457 01	
Labor ..	17,978 04	
Desk Cases, Upper Hall.....	2,247 42	
Salaries	25,197 73	
Upright Cases, Upper Hall.....	2,182 90	
Lecture Department.....	6,798 70	
Supplies	1,910 03	
Printing.....	753 58	
Interest on " Dr." Balance for 1892.....	864 03	79,077 46
		<u>\$109,609 51</u>

Balance from 1892 account..... \$27,306 96

Examined { ADRIAN ISELIN, } *Auditing*
and approved, { THEODORE A. HAVEMEYER, } *Committee.*

Endowment :

RECEIPTS.

Interest on Invested Funds.....	\$16,790 00	
W. H. Osborn, Subscription.	1,500 00	
Lumholtz Expedition.....	200 00	
Guides Account.....	312 00	\$18,802 00

TRUSTEES' ACCOUNT : Subscriptions.

Abram S. Hewitt.....	\$1,000 00	
Theodore A. Havemeyer.....	1,000 00	
Morris K. Jesup.....	1,000 00	
D. O. Mills.....	1,000 00	
Wm. E. Dodge.....	1,000 00	
J. Pierpont Morgan.....	1,000 00	
Charles Lanier.....	1,000 00	
Archibald Rogers.....	500 00	
D. Willis James.....	1,000 00	
James M. Constable.....	1,000 00	
C. Vanderbilt.....	1,000 00	
Adrian Iselin.....	1,000 00	
Charles G. Landon.....	500 00	
Oliver Harriman.....	500 00	
Oswald Ottendorfer.....	500 00	
Joseph H. Choate.....	1,000 00	
William C. Whitney.....	1,000 00	
Percy R. Pyne.....	1,000 00	16,000 00

PATRONS' ACCOUNT : Subscriptions.

George G. Haven.....	\$1,000 00	
James Baker Smith.....	1,000 00	2,000 00

LIFE MEMBERS' ACCOUNT : Subscriptions.

A. K. Bolan.....	\$100 00	
Miss Frances Pell.....	50 00	
Wm. Gaston Hamilton.....	100 00	
Wm. F. Sebert.....	100 00	
John A. King.....	100 00	450 00
		\$37,252 00

Maintenance :

Dues from Annual Members.....	\$6,940 00	
Department of Public Parks.....	35,413 55	
State Department of Public Instruction.....	2,697 00	45,050 55
		\$82,302 55
Balance brought down to 1893.....		27,306 96
		\$109,609 51

[E. & O. E.] NEW YORK, *January 2, 1893.*

CHARLES LANIER, *Treasurer.*

ADDRESSES AT THE RECEPTION
TENDERED BY THE TRUSTEES OF THE
American Museum of Natural History,
AT THE MUSEUM BUILDING,

Seventy-seventh Street and Eighth Avenue, New York City,

WEDNESDAY, NOVEMBER 2d, 1892,

In Commemoration of the opening of the New Wing.

Opening Address of Morris K. Jesup, President of the Museum :

LADIES AND GENTLEMEN, FELLOW MEMBERS OF THE AMERICAN MUSEUM OF NATURAL HISTORY.—On behalf of the Trustees I bid you a cordial welcome this afternoon. Before proceeding to make to you any statement with reference to the Museum affairs, it will be necessary for us to have presented by the city the buildings which you are called this afternoon to inspect. I, therefore, have great pleasure in introducing to you the Hon. Paul Dana, the President of the Department of Public Parks, who will present this building to the Museum authorities.

The Hon. Paul Dana, President of the Department of Public Parks, presenting the Building on behalf of the City to the American Museum of Natural History, spoke as follows :

MR. PRESIDENT, LADIES AND GENTLEMEN.—It is about fifteen years since the occurrence of an event similar to this. It was in 1877, I believe, when Mr. Stuart, President of the Natural History Society, received from Mr. Martin, then the President of the Park Board, the first completed section of this building. To-day I have the honor to deliver to Mr. Stuart's successor, Mr. Jesup, the new wing. When we see the splendid results of the few years of this Society's existence, we feel that Mr. Stuart must have possessed qualifications for his duties equal to those

of Mr. Jesup, for certainly this institution could not be what it is to-day if it had not been conceived in a wholly liberal mind, and its work begun with the best of energy and understanding. Many of you are familiar with its entire growth. A few years ago it was a tenant on sufferance in cramped quarters in the old arsenal on the other side of the park. It is here an equal partner with the city in this admirable portion of a much greater building still to come, recognized as one of the city's most valuable ornaments, with an equipment which gives it a place among the great public collections, and with a future of brilliant and unlimited hope. Its excellence may be judged partially by the readiness with which the City Authorities have contributed towards its enlargement. I think the Trustees will bear me out in saying that public money has always been forthcoming for its benefit, with all the freedom that is consistent with official responsibility. In order that you may have a better idea of what it is we are about to dedicate, I have been requested to describe it more in detail. The architect, as you know, was Mr. Cady. His success is evident. I trust that this later monument of his art may not meet with the unfortunate fate of one lower down town, the Metropolitan Opera House ; but to guard against that this one is entirely fire-proof so far as it can be made so. Omitting the cases for exhibition it covers 23,000 square feet, which with the old building makes 37,000 square feet. It has three exhibition halls, 60 x 110 feet ; six, 25 x 118 ; a lecture room, 60 x 110 ; and a library, 25 x 108, in which the books are piled in practically indestructible stacks of iron. There are five thousand running feet of exhibition cases. The money appropriated for the work was \$800,000, of which \$100,000 was spent in repairing the old building, and \$75,000 in the cases, so that the net cost of the new wing was less than \$600,000 ; and it is proper to say that there is not a charge for extra work in the record of its construction. Besides this, nearly a half million dollars has been assigned for further additions, chiefly for a lecture hall much larger than this to meet the need which has been amply proven by the success of the lectures.

It is not for me to stop for any eulogy of this institution, although here, according to Mr. Spencer, are the foundation

stones of education. Science and scientific cultivation, in his opinion, furnish the true basis not only of the higher learning, but of every intellectual elegance and accomplishment. You all know what the Museum is. You may imagine what it will be when its buildings shall cover Manhattan Square, and it will be asking for more room still. Contemplation of its future moves me to introduce another subject closely related with it ; but first, it is necessary to refer to a certain portion of the Museum, in order that there may be no misunderstanding of my remarks.

There is here the collection of woods known, I believe, as the Jesup Collection. A more original, a more beautiful, a more instructive feature of a Museum doesn't exist. I am proud to think that I had some part in hunting for its specimens. That stands by itself. It needs neither praise nor apology. Under Mr. Jesup and his colleagues, the Natural History Museum has enjoyed a model administration. The President himself has been a contributor of unequaled liberality and success, and the collections here are of unexceptional value throughout. It would be difficult to find an institution built up with a more disinterested spirit of contribution and a sounder supervision. What I am about to say fails of application here. Nevertheless I must speak of a danger which overhangs all public institutions waiting to be filled with private gifts, frequently to their serious damage. A generous contributor is often tempted from a desire to perpetuate the memory of his own individuality and fancy, in addition to perpetuating his name, to impose conditions upon his gift which may conflict with the general advantage of the Museum as a whole. He demands that his collection shall be accepted and preserved intact. It must have special accommodations. Those accommodations are often established and provided for thereafter by special funds. Yet there may be in those collections some specimens, either scientific or artistic, which are a duplicate of those already owned. There may be other inferior specimens which an impartial expert would prefer to wait for in a better form. So, if it is provided that this gift, which on the whole is too valuable to be rejected, if it is provided that it shall exist as it is given, just as the particular taste or the opportunities of the collector may have made it, it enforces a most unbecoming sacrifice in the

shape of room which can be ill afforded, and which a wise and unhampered management of a museum would reserve for better uses later on. This may sound somewhat harsh and ungracious, yet as the representative of the city department through which the public money is expended for housing and caring for this institution, it is proper for me to bring the facts mentioned to the attention of all whom in the fullness of their public spirit they may concern.

With an apology for the intrusion of these remarks, I now have the honor, in the name of the city, to transfer this building to the keeping of you, sir, the President of the Natural History Museum.

Address by Morris K. Jesup, President, accepting the Building on behalf of the Trustees:

MR. DANA.—It is a most felicitous circumstance, sir, that your father was one of the incorporators of the American Museum of Natural History, and we are very happy to have his son give us, in behalf of the city this afternoon, this beautiful building. On behalf of the Trustees the gift is accepted, and it will be proper for me to state to this audience in a little detail the relations between the city and this Museum. There is a contract duly authorized and directed to be made by the Legislature of the State of New York between the city and this Museum. It gives to the Museum the use of Manhattan Square for the further use in perpetuity of the buildings that may be erected thereon, and that the buildings when completed are to be properly policed by the city and kept in repair. This contract is perpetual. The city has no right to rescind it. The Trustees on the other hand agree that, in consideration of the contract and lease, they will occupy the buildings with their specimens and material for the public use. The Trustees have the right to make the appointments, and have the entire control of the force employed in these buildings, except the police. This was a most wise and proper arrangement, for under it there has been no difficulty in getting the wisest and best men to serve as Trustees, knowing and feeling that in that office they were responsible to themselves and to the people, and

it is because of this responsibility that this institution and the Metropolitan Museum of Art have grown to such vast results and usefulness. I hope the time will never come when either of these institutions will be looked upon for public spoil—when either political party may feel that these institutions are to be used in any way for political purposes. Thus far, the municipal authorities have kindly, wisely, willingly and unselfishly left the management of these institutions according to the contract. I think it right that you should understand the arrangements existing between the city and the Museum, and the conditions under which this building is accepted to-day.

Now, I had prepared a brief address in writing to make on this occasion, but one of our oldest Trustees a few minutes ago said to me, "You are not going to read an address, are you?" He said, "I will give you \$50 not to do it." I will not take the \$50, but just say a few words with reference to this Museum. The Trustees have a laudable pride in presenting to you this building to-day stored as it is with so many treasures that come from nature, properly exhibited; the building beautifully lighted, and everything arranged for the comfort, pleasure and entertainment of the public. We think the Trustees are justified in expressing their gratification at the success which has been achieved.

Regarding the material within these walls (Mr. Dana has spoken of the cost of these buildings), it is right that I should tell you that the two buildings have cost the city about a million and one-half dollars. It is right, also, that you should know that the Trustees and their friends, with the public, have contributed in money and in specimens to the value of one million, seven hundred thousand dollars. Three hundred thousand of which has been given to the Trustees as an Endowment Fund, the interest of which is sacredly pledged to the purchase of new material, and to the enriching of the specimens and material which we have. It is right that I should tell you that since these buildings were opened the cost to maintain them has been about four hundred thousand dollars, and while I will let the city have all the credit that is its due, you should know that quite one-half this sum has been paid by the Trustees and the public. Therefore, you will observe that up to this time the city has paid only about

half the expenses of maintenance. But this state of things cannot continue. The expenses of the Museum are constantly increasing. You, as New Yorkers, would have but little confidence in the Trustees if we remained as now, with no progress. The Museum cannot stand still. It must go on ; wing after wing must be built, and in course of time—probably none of us may live to see it—but in course of time this entire square must be covered with buildings belonging and necessary to this Museum. When the contract was made with the city, one of the advantages left to the Museum Trustees is now changed. We had two days in the week for private exhibiton ; the other four were free. The Museum was not opened on Sundays or evenings, but as the Museum grew in popularity, the public interest increased, and the advantages of popular education presented themselves ; people demanded that it should be opened free during the entire week and two evenings, also on Sunday afternoons. The Trustees with a magnanimity, unselfishness and generosity, which has I think always characterized their actions, gave heed to this public sentiment, and by an arrangement with the city it is now open to conform to the people's demand. By doing this we have not only increased our expenses, but have been deprived in some cases of large pecuniary support from friends who did not conscientiously approve of the change. It is right, therefore, and proper, that this Museum and its sister Museum on the other side of the park should require from the city authorities that they shall sustain and maintain the Museum in all operating expenses. Ladies and gentlemen, what a small item it is for the city to do this in consideration of the advantages that these Museums confer on the great masses of the people. Look at the Exhibition Halls for amusement and instruction ; the lectures for education ; and consider what we are doing for science and for the student. The buildings are well lighted and heated, and contain a Lecture Hall comfortably seating one thousand people. Is there in New York a source of enjoyment so refined, uplifting and ennobling to the masses of this great city as these two Museums present ? Let the city be generous and magnanimous, and appropriate to these Museums the money they need for their proper maintenance and exhibition.

I have been interested in reading the address of the late Prof. Joseph Henry, the great scientist, in the speech that he delivered on the occasion of the laying of the corner stone of the first building in 1874. I wish that a copy of that address could be placed in the hands of every lover of natural history and science in this city. Strange to say, that although years have elapsed since that address was made, and perhaps forgotten by many, what he predicted these Museums should or ought to do, in a great measure has been done. I have also been interested in reading the remarks made by Prof. Marsh, of the Yale University, on the same occasion. That which he said was necessary to be done, in order to make a great Museum is now in process of development, and I may say with fair success thus far. I quote from the words used by Prof. Marsh, on December 22d, 1877 :

“ There is yet a more important reason for making this institution a centre
 “ for original research. The science of to-day stands face to face with great
 “ problems. The antiquity of man, the origin of the human race, and even
 “ the origin of life itself, are among the questions which the present day submits
 “ to science, and to which it demands an answer. If these problems are to be
 “ solved by science, America must do her full share of the work, for the mate-
 “ rials are here. In all that pertains to ancient life, the Western Continent
 “ possesses countless treasures unknown in other lands ; these, as I believe, are
 “ to unlock many mysteries in Biology, and render important aid toward the
 “ solution of the profounder questions I have named. American science can
 “ thus repay its debt to the Old World where science began, and gathering new
 “ facts from broader and richer fields within her own borders, carry forward
 “ with the vigor and enthusiasm of youth the never ending search for truth.

“ If the American Museum of Natural History, opened to-day under such
 “ favorable auspices, does not take a prominent part in this great work, it will
 “ not do justice to its founders, or to its opportunities. But with such a foun-
 “ dation as we have here, and such resources as wait to unfold their secrets
 “ within walls yet to be reared on this commanding site, I venture to predict
 “ for natural science in America greater triumphs than have hitherto been won
 “ in any land.”

Looking back in the light therefore of history, I cannot but congratulate the Trustees and the city that we almost unawares have thus far succeeded in carrying out the wise counsel and judicious advice given to us as thus set forth.

We have great treasures stored within these walls. Take the Department of Geology, of which Prof. Whitfield is Curator ; the

collection of minerals has been so enriched, I think I am justified in saying that it ranks third in this country. We have the great collection of Prof. James Hall, that veteran scientist, whose name is a household word among all the scientists in this land and the world, and I am happy to say that we have him with us to-day on this platform. This celebrated collection represents the entire Palæontological publications of this State; it contains many thousands of types and figured specimens, and is full of instruction and science. In the Department of Zoölogy, and of which Prof. Allen is Curator, we have the important collections of Prince Maximilian, of Lawrence, of Elliot and of Mearns. The Department of Archæology and Ethnology, of which Mr. Terry is Curator, contains the famous collections of Emmons, Bishop, Sturgis, Jones and Terry; the whole representing the Archæology of all the United States, especially of the Pacific Coast. We have in our Department of Entomology, in charge of Mr. Beutenmuller, the Angus, Elliot and the Harry Edwards Collections. Prof. Henry F. Osborn, of Columbia College, is the lately appointed Curator of a new Department of Mammalian Palæontology, with an efficient staff for field collection and museum work; the purposes of which department is to secure for exhibition and study a complete series of Western fossil mammals from the earliest and smallest to the latest and largest that have appeared on the American Continent, and to illustrate especially the evolutions of the horse, rhinoceros and other existing animals. The Department of Public Instruction has been carried on under the auspices of the State Superintendent of Public Instruction since 1884, and during that time Prof. Albert S. Bickmore has delivered one hundred and fifty lectures upon the collections of the Museum and various countries which he has visited. These lectures are already repeated in the Normal Schools and Teachers Institutes throughout the State. Our library numbers twenty-six thousand volumes relating to natural history. The Bulletin of the Museum, now in its fourth volume, contains papers on a wide range of subjects, and takes a high rank among similar publications of scientific institutions. Guides to the collections give not only the places of specimens in each case, but form condensed hand-books of the subjects treated.

So we have endeavored to gather in this Museum not only that which shall please the eye and cultivate the taste, but also to give instruction to the student and the scientist. Our aim is to make these collections more and more the source and means of study, instruction and recreation. To do this we must have educated men, and the coöperation of our institutes of learning; our halls will be opened to the schools and classes of this city who shall come with their teachers to receive that instruction, and pursue their investigations from the specimens that will make them proficient in their chosen vocation. The Trustees have endeavored, with the help of the city authorities during these many years past, to present to you and the public to-day, a Museum equal in all its parts, as we think, and I say it modestly, one of the best, and if allowed to grow and progress in the future, will be one of the most renowned museums of the world.

Address of Hon. Seth Low, President of Columbia College :

MR. PRESIDENT, LADIES AND GENTLEMEN.—A few years ago it was my good fortune to visit Mr. Edison in the establishment which he then maintained in the City of New York. He took me about it to see what was being done there, and as we came to some of these bulbs, which were being prepared for the electric light, he told me that they very early discovered that this light could be produced in a vacuum, and their great difficulty was to learn how to create a vacuum with commercial cheapness. At last it occurred to him, I believe, or to one of his colleagues, that the vacuum could be produced by driving mercury through the glass, the mercury being dense enough to displace all the air, or a sufficient amount of it to answer their purpose. They thought then that they had solved their problem, only to discover that they could find no pump which would pump mercury, just because it was so dense no pump would do the work. At last it entered the fertile mind of that magician himself that the old pump of Archimedes, the endless screw, would do the business. As a consequence, this most modern of inventions rests absolutely for its possibility to-day upon one of the earliest recorded inventions of mankind. I think that is an instructive incident.

I am led back in my thought to a great antiquity by this word "museum." In the form in which we have it, it tells of those conquests of imperial Rome, whereby she subjugated all the world, and in the great reach of her conquering arms finally brought under her dominion Greece, the mother of letters and of art. The Greeks had this thing, and they called it mouseon, a temple of the Muses. The Romans took the thing and changed the word into the form in which we have it, and so we are celebrating to-day, in the opening of this new building for the Museum of Natural History, the modern form of an idea that has occupied the attention of mankind as something worth their while for many centuries.

A museum has two sides to it, what one may call the popular side and the scholarly side. On its popular side it may serve, I think, a two-fold purpose. The Spaniards have a proverb of a narrow-minded man that may have originated in the days of Columbus, for aught I know ; they say of such an one that he has never been seasick ; that is, he has never travelled ; he has not had his eyes opened by seeing different nations, by witnessing their customs, by realizing that no nation has all the wit and wisdom of the world, nor all the goodness of it either. A city like New York, to which so many different nationalities come, is a cosmopolitan city because they come here, but there is something in different countries besides the people that inhabit them, and this Museum is one of the agencies that lays before the people of New York that which is to be seen in other lands, under other skies.

I recollect hearing an anecdote of a man living in southeastern Kentucky, upon one of the mountains there, who had never left his native hillside till he became a man fifty or sixty years of age. Some momentous event in his history compelled him then to make a journey twenty miles distant. He returned to his home and addressed his son somewhat in this way : "Sonny, if the world is as large in every direction as it is the way I went, I tell you it is a whopper."

I think, therefore, a museum is an enlarging influence, a distinctly enlarging influence, in the midst of a great population like this, only a small portion of whom, even under modern condi-

tions, are able to see what is to be seen in other lands. I know, of course, that with the development of photography the eye may travel around the world. Men have often wondered, as you know, how this planet would seem—what it would look like—viewed from interstellar space. Have you ever thought that we really look at the world in these days of ours with the eyes of the sun itself? You remember that Scripture says that there is nothing hid from the heat thereof, and so as you come to the lectures that are given in these halls, and see produced day after day, week after week, year in and year out, the pictures which the sun has taken, that consummate and indefatigable artist, do we not realize that those of us who are fortunate to live to-day really see the world with the eyes of the sun itself.

But on its popular side these collections may serve another purpose, I think. I wonder whether you recall Longfellow's poem upon Agassiz, written on his fiftieth birthday. He pictures to himself nature as a nurse taking its baby child upon her lap, and the lines go as I recall them :

“And Nature, the dear old nurse, took the child upon her knee,
Saying, ‘Here is a story book thy father has written for thee.’
Come wander with me, she said, in the regions yet untrod,
And read what is easily read in the manuscripts of God.
So he wandered away and away with Nature, the dear old nurse,
Who sang to him night and day rhymes of the universe ;
And whenever the way seemed long, or his heart began to fail,
She would sing a more beautiful song or tell a more marvellous tale.”

Who can tell what the inspiring wonders of a collection like these are upon the multitudes who pass to and fro before the cases which contain the collections. Longfellow said on one occasion that the most profitable course of lectures he ever delivered was delivered to a single student ; the subject of the course was the history of the Netherlands, and the student was John Lathrop Motley. I do not know how many Motley's may pass through this hall ; the world never knows its Motley's or its Agassiz's or its Humboldt's, until they reveal themselves in future years, but seeds may be planted here every day that will bring forth rich fruit in the years to come. And this reflection leads me naturally to the other side of the Museum, that which I have spoken of as the scholarly side.

Every such collection is made up of two parts; that which is placed upon exhibition to attract the eye, to interest, to amuse, to inspire, and that which is not placed before the eye, but which is held for purposes of investigation and research by men who are competent to read the manuscripts of God.

Now that function is distinctively the function of the scholar, the function of the scientific man. However much any of us may wish to perform that service, it can be performed only by those men to whom God has given the gift, and who have developed the gift by education, and by nights devoted to labor, and days devoid of ease. I count it, Mr. President, a most felicitous circumstance—to use your phrase—that upon this occasion the President of Columbia College is permitted to take part in the opening of this new building, because it seems to me that the relation between the institutions of learning contained in this city and this Museum, may be not unfairly illustrated by comparison with the powder and the gun. The powder and the gun, apart from one another, have great potentiality of effectiveness; united they demonstrate their power. Similarly, I think, the Museum and the institutions of learning which seek to make researches to advance the state of human knowledge belong together, at least in a part of their labors.

As I conceive their proper relations, it is in the main, this: The business of a museum is to make collections, and to give the opportunity for study. The business of a university is to use collections, and to provide the men who will conduct the researches, and tell what the collections signify to the great world of mankind. I am happy to say what may not be known to all of you, that relations based upon this thought have already been entered into between this Museum and the venerable College which I have the honor to represent. Commencing, I think, this month, lectures will be given by Professors of Columbia College in one of the lecture rooms of this institution, which, as I understand it, are to be open to the public. The first course of lectures is to be upon that unique and admirable collection of American Woods which has already been referred to as the Jesup Collection; that will be followed by courses upon astronomy, upon the mineral resources of the United States, and upon chemistry.

These lectures are intended to add to the popular value of this Museum. In connection with these services on the part of the College, the Museum throws open its collections, and grants the opportunity of research to the Professors and students of Columbia, who may be able profitably to use them. It gives me pleasure to say that in striving to bring about this arrangement Columbia has had no thought or desire for an exclusive privilege. We shall be only too glad to have our colleagues engaged with us in the work of advancing higher education in the City of New York do the same thing, and profit by all the privileges that are here. Whatever else may be true of education, I think it is distinctively true that no great advance in education ever was made along narrow lines. We must work together to produce the best results for the people of the City of New York and for the inhabitants of this country, and it is in that spirit that this arrangement has been begun. I hope it will be continued and developed until all its latent possibilities are made clear to the public as the years roll on.

I have spoken thus far, Mr. President, of the service that this Museum might be to the people of the city and to the scholars of the city. I should fall wholly short of its full significance if I did not point out to you that it was one of the great agents in the City of New York for rendering a service to mankind. You remember how Tennyson says of his hero in Locksley Hall, that he is the heir of all the ages ; we stand here as a country pre-eminently the heir of all the ages. New York is the great city of that fortunate and happy heir. I submit it to your reflection that a city that is to rank as a great city on the memorial pages of history, must be a city that not only receives what the rich past has to give it, but that takes what is committed to its trust, transmutes it into a finer gift, and hands it down ennobled and enriched to the generations to come.

Address by President Jesup, introducing the Hon. Abram S. Hewitt, the Right Rev. Henry C. Potter, and Archbishop Corrigan :

I know that your patience will not be taxed to wait a few minutes longer, for I want one of our Trustees, the Hon. Abram S.

Hewitt, to say a few words to you, and then we have with us also, I am happy to say, our friends Bishop Potter and Archbishop Corrigan, and I am going to ask them if they will say a few words. It is not often that we get together, ladies and gentlemen, on an occasion like this, and I am sure that you will not begrudge a few minutes longer.

Address by the Hon. Abram S. Hewitt:

LADIES AND GENTLEMEN.—Perhaps I ought to begin by saying that I am not the Trustee who offered to give Mr. Jesup fifty dollars in case he would't read his address, and if I had been the Trustee who made the offer I certainly have gained nothing by the proposition, for Mr. Jesup has not only delivered his address, but he has delivered it with a fullness and a force which leaves nothing for any other Trustee to add. But there is one thought which has come into my mind in listening to the addresses of Mr. Jesup, President Dana and President Low, and that is the duty of the city to itself in reference to the great institutions of learning and the means of instruction which exist in this city.

St. Paul, who I think our good friend the Bishop will admit had a level head, divided cities into two kinds, one of which he called mean city and the other he called city, by distinction, and he prided himself upon being a citizen of "no mean city." Now, you and I and all of us have a right to be proud of the City of New York. It is not a mean city; it never has been a mean city. In every period of its history it has shown itself to be equal to any demand that has been made upon its intelligence, its patriotism, its liberality. It is not going to be a mean city. Athens, according to the best authority that I know, its great ruler Pericles, was the type of a noble city. Pericles tells us that there was not in Athens much spirit of private display, that there were not much riches in private hands, that there was a wise economy, to use his words, in the expenditures of the citizens within their own households, but when it came to the city itself he says, "There is a proud consciousness on the part of the people of Athens that they live in a noble city, and that they must be worthy of the city," and hence although there were no laws in

Athens to prevent the acquisitions of large fortunes, yet when men acquired them they used them for the public good, and when it happened, as sometimes it did, that there was a citizen of Athens who was not, according to the public sentiment or judgment, using his wealth wisely, the citizens got together in the Agora and they discussed the situation and held an experience meeting on his case, and it usually ended by voting that the citizen should build a trirema or some institution for the public benefit, and the citizen thus admonished always went and wisely acted on the hint, lest his latter end might not be so agreeable as his beginning.

Now the relations of the citizens of New York as a corporate body and of the citizens as individuals to this institution and its sister institution, the Museum of Art, are to my mind not only felicitous, but most suggestive as to the proper use of the growing wealth with which this country is endowed. Mr. Jesup has explained to you that the city is the owner of this building and of the Museum of Art; that it has paid for this building, that it has entered into a contract with certain of its citizens to administer the bounty of the city in the public good, and that these citizens, mostly men of wealth—not all, but all men who ought to be rich—have agreed on their side that to the extent the city will supply the accommodations they will cause it to be filled with worthy collections in art, in science, in every branch of human knowledge which it is good for the citizens of New York to study and possess.

Now this suggests what I regard as the fundamental idea which should govern the City of New York in the administration of its revenues and the rich men of New York, in the disposition of their wealth. There never will come a time I trust when it will be necessary to call a public meeting in the City Hall Park to pass upon the duty of the rich men of New York, because so far as my own experience goes, extending back to a half a century, there never has been a worthy object presented to the rich men of New York which was not promptly executed by their willing beneficence.

My young friend, President Low, who has been elevated in his early life to the most responsible position which can be occupied

by a citizen in a great community, full of the idea of what makes a noble city, determined that New York shall realize its destiny, has proposed and is carrying into execution the great scheme of a University which shall include all knowledge and secure the coöperation of every institution of learning within the limits of this city. He has appealed to the public of New York for money to build a suitable habitation for such university as the City of New York ought to have, and he will get the money beyond any doubt.

My honored friend, Chancellor McCracken, is engaged in a work equally meritorious, and although it has not the advantage perhaps of the venerable claims of Columbia College and may not have the sanction of so many years in its favor, yet the work which he proposes to do is one worthy of a great city, and he also will find that his plans will be responded to by the rich men of New York who sympathize with him; and so when this institution and the Museum of Art go to the city authorities and ask them to furnish the means for opening these halls and those other halls on the other side of the park to the public, free as the air of heaven on the Sabbath day, and every other day, where is the Mayor, where is the Board of Apportionment, where are the Park Commissioners who will deliberately say "We are officers of a mean city, and we will not give you the money necessary for noble ends!" No. The money will be granted. The public opinion which is developed in this room decides the issue. The smile on the face of my good young friend, the President of the Park Department, indicates that he will go to the Board of Apportionment and ask for all the money that the Legislature has authorized. And I know the Mayor of this city well enough to know that coming as he is to the close of an administration longer than is usual in the municipal history of this city, I know that he and his colleagues will desire to signalize his administration by a crowning act of public beneficence for which the people of New York will be profoundly grateful.

Address of the Right Rev. Henry C. Potter:

It is so very unusual to meet Archbishop Corrigan on a platform in New York, that I think he ought to make a speech to-day,

and I beg him to understand that I am making it for him. I am sure no one within these walls can have any other than one feeling, in view of the completion of the building within whose precincts we are gathered this afternoon. President Low, ladies and gentlemen, has said that there are two sides to the work of a Museum of Natural History—two aspects—and I could not help thinking as I came here this afternoon that one of the two which was gratified by one sense of taste was the new outside which has been so felicitously completed. Certainly it is an indication of progress that here, in connection with the earlier construction of buildings, so much, we are sure, of that New York of which we are all proud, has been thus far completed. I wouldn't misrepresent my friend, the ex-Mayor, but I thought perhaps there was a tone of that fine self-assertion in the remarks which he has just made to you which belongs to New York, in view especially of the recent triumph of Chicago.

A young theological student writing to me from the far west the other day, having been to see the buildings which have been erected in Chicago for the Columbian Exhibition, himself a westerner, described the situation as it struck him, in a phrase characteristically western, when he said: "My Dear Bishop.—Believe me if I tell you, after having seen these magnificent buildings, that Chicago beats her friend." A very large task, some of us who know Chicago, to have been accomplished; and yet when you remember, ladies and gentlemen, the buildings which have been erected of singular beauty, of remarkable felicity of arrangement, every one of them, I believe, designed by an architect from New York, and decorated by a decorator from New York, that every one of those buildings is destined, if left to itself, to tumble down in ten years—it is a very interesting and suggestive contrast of the remarkable result which has been achieved here within these walls and on this site, as illustrating a wholly different end. Believe me, we have a place for the instruction which is ephemeral, but we have a much more large and hungry place for the instruction which is permanent. This building has come to stay, and it stands, if I understand it aright, ladies and gentlemen, for ideas which are preëminently a part of the highest civilization in what we believe to be the most beautiful country in the world.

I confess I have heard since I came within these walls one assurance in regard to its future use which has filled me with profound satisfaction. I refer to the close of my good friend's address. I have never met him, I think, on a public occasion, except it was in relation to some building that he himself had reared, like the lodging house, where I think we last met on the same platform, or here in this completed work with which he has so much to do. I thought, as I say, as I entered the room, of a few of the works with which he is connected ; and my friend, the President of Columbia College took up the same thing. I believe that one of the great uses of this Museum of Natural History is not alone to gather those remarkable collections which have been rehearsed here, but also to illustrate, and if I may use the word, to transform them into living out of dead things by the voice of the living teacher. Believe me, after all, ladies and gentlemen, that office is the mightiest power in the world. What we want is the nurture of the power of process and accurate observation. We get that in any museum, whether it be a museum of art, or of natural history, or work of archæology, but we get it most of all and best of all when we get it in connection with the electric flash of some educated and subtle mind that takes the specimen, whatever it might be, and holding it up before the people's eye makes it to live, because there throbs behind the specimen the living and cultured intellect.

My friend, Charles Waldstein, an American and a New Yorker of whom we are justly proud, is to-day the head of the great University in Chemistry, and a Professor in the School of Archæology in Athens ; went there, as I am told, a number of years ago, when a number of his confreres had dug up in Athens a fragment of stone over which they had been for weeks and weeks puzzling, asking "What was it?" "Where did it come from?" "To what did it belong?" Then it was Waldstein, turning the stone over and over again in his hand, held it up and said : "Why, it is a bit of the frieze of the Pantheon." There it was that you have the marriage of a fine intellect and highest culture with what is written in stone, or any work of nature. Believe me, as a New Yorker, I am profoundly proud and thankful for the men who have reared up for themselves remembrances ; who have enriched

this great city with these monuments of learning to the people of all classes ; surely it is significant, as we sit here with the son-in-law of Peter Cooper, who opened that other school at the other end of this city, that on this platform are men whose names will go down to posterity for the services they have rendered to this Museum of Natural History, to the Metropolitan Museum of Art, to these great classes of learning which we are here in the name of New York to thank them for ; and in your behalf, I am sure, ladies and gentlemen, to say that we take them into our own loving care, and will guard them reverently and vigilantly for all the future.

President Jesup invited Archbishop Corrigan to address the audience in conclusion of the ceremonies, but the latter asked to be excused, by reason of the lateness of the hour.

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GEOLOGICAL DEPARTMENT.

- HARVEY BAXTER, Brooklyn, N. Y.
Eleven specimens of *Micraster cor-anguinum* and three of *Ananchytes ovatus*, fossil echinoderms from the Chalk Cliffs of Dover, England.
- BEIRUT PROTESTANT COLLEGE, Beirut, Syria. Through the Rev.
D. Stuart Dodge.
Three blocks, with polished faces, from the Cretaceous limestone on the slopes of Mt. Lebanon, Syria. They represent the Hippurite and Nerinea limestones, and show these fossils on their polished surfaces.
- GEORGE CRAWFORD, Brooklyn, N. Y.
Five shark teeth, one horse tooth, and two cetacean (?) vertebrae, gathered in Brooklyn but originally obtained from dredgings at Charleston, S. C.
- T. COOPER, Brooklyn, N. Y.
Two sharks teeth from the Tertiary at Farmingdale, N. J.
- PROF. J. DOUGLAS, Spuyten Duyvil, N. Y.
Three slabs of *Eozoön canadensis* from Canada, and one *Clypeaster altus* from the island of Malta—parts of a collection originally belonging to the late Dr. T. Sterry Hunt.
- DR. GEO. JACKSON FISHER, Sing Sing, N. Y.
Fragments of jaws of *Mosasaurus*, vertebrae and many other bones and fragments, from the Cretaceous marls at Freehold, N. J.
- LEWIS W. GUMBEL, Utah. Through Mr. C. P. Rowley.
Specimens of *Gryphea pitcheri* from Utah, San Juan River. Dakota Group. Cretaceous.
- W. W. JEFFERIS, Philadelphia, Pa.
One block of Utica Slate bearing *Diplograptus pristis* from Ft. Ann, Washington Co., N. Y.

- MRS. RICHARD P. DANA, 146 West 14th Street, New York City.
One fossil elephant tooth from Florida.
- J. L. LOCKWOOD, Stamford, Conn.
Fragment of lava enclosing fragments of silicified rushes (tule) from three miles west of Uncle Sam Mts., Lake Co., Cal. Quarternary.
- WM. H. NIVEN, New York City.
One Mastodon tooth, fifth series, one Mastodon tooth, sixth series, both from Lodi, Seneca Co., N. Y.
- A. C. SCANLON, Port Jefferson, S. C.
Six shark teeth dredged in Charleston Harbor, and one horse tooth from the same locality.
- E. J. SCHMITZ, M. E., New York City.
Fucoids or Cruziana sp. undet. *Conostichus* sp. undes., both from Cullman Co., upper Alabama. Group of *Caprotina* sp. undes.; Echinoderm sp. and genus undet.; Arca sp. undes.; all from the Triassic, south of Bisbee, Arizona, also *Ostrea engelmanni* Meek.
- J. F. TONKS, New York City.
Slab of Catskill sandstone from Wautauga Falls, Delaware Co., N. Y., containing annelid burrows.
- UNITED STATES NATIONAL MUSEUM, through C. D. Walcott, Washington, D. C.
A cast of *Asaphus megistos*, showing ambulatory appendages.
- CAPT. A. W. VOGDES, U. S. A.
Fossils from Astoria, Washington, from the Eocene, Miocene, possibly Carboniferous, about 250 specimens.
- MORRIS K. JESUP, New York City.
A collection of fossils amongst which were a number of Niagara limestone Trilobites, with numerous other specimens gathered from a great number of localities. (C. W. Field Coll.)

MINERALOGICAL DEPARTMENT.

- CH. L. BERNHEIMER, New York City.
One specimen of Salt, St. Vincent, made in Ocean Salt Pans.
- HENRY BOOTH and C. LOWN, Poughkeepsie, N. Y.
Fifty-seven specimens of Baltic Ambers, comprising many polished examples, holding insects, with three curdled and clouded masses, with some rough uncut fragments.
- From JAMES B. HAGGIN, New York City.
A block of Copper Ore (Chalcocite), weighing 6041 pounds, containing 59.1 ounces Silver to the ton. From the Anaconda Mine at Butte, Montana.
- R. J. CROSS, New York City.
Specimen of Silver Ore, from the Enterprise Mine of Rico, Colorado.
- MRS. RICHARD P. DANA, New York City.
A various assortment of minerals, amongst which were valuable native Coppers.
- J. DAVIS, Orange, N. J.
Specimens of Trap and Hydrous Silicates, from Orange, N. J.
- C. F. LACHMUND, New York City.
Specimens of Asphalt, one *Gilsonite*; specimens of Rock Salt, Granite and Jasper Conglomerate, from Utah.

- J. L. DAVIDSON, Lockport, N. Y.
Two handsome specimens of Dolomite; One small Geode; One specimen of Gypsum with Dolomite; One specimen of Granular Gypsum; all from Lockport, N. Y.
Three Quartz Crystals curiously capped with secondary growth, from Red Lake, Jefferson Co., N. Y.
- J. R. HUDSON, New York City.
One specimen Opalized Wood, Uinta Co., Wyoming.
Fourteen specimens of Silver and Gold Ores, from Lander Co., Nevada.
- S. A. KNAPP, through D. O. Mills, New York City.
A collection of Ores (silver, lead and copper), from Nevada.
- T. D. LEDYARD, New York City.
Six Sodalites with Elæolites; location unknown.
- H. L. O'CONNOR, New York City.
Specimens of Garnet, Limonite, Muscovite, Sphærosiderite and Tourmaline, from New York Islands and vicinity.
- H. E. and H. OPPENHEIMER, New York City.
A small collection of cut-stones including Amethysts, Aquamarines, Bloodstones, Carnelian, Garnets, Hematite, Moonstone, Pearl, Quartz, Onyx, Topaz, Turquoise and Tiger's Eye (Crocidolite). Exhibited in Gem Collection.
- PETERS & CO., New York City.
A collection, handsomely mounted, of Stassfurt Salts, including Boracite, Carnallite, Halite, Kainite, Kieserite, Sylvite, Tachhydrite.
- DR. ROLF. PIHLGREN, New York City.
A short, narrow slab of Silicified Wood, from Dalton, Pa.
- N. B. POWTER, New York City.
A large series of Phosphates, from Canada, Florida and West Indies, illustrating the various grades of fertilizers, and furnished with percentages of Bone Phosphate, etc., in detail.
- SANDERSON SMITH, New York City.
Saucer of Serpentine, polished saucer of Fluorite, paper weight of Aragonite, and one specimen of Verde Antique from the Church of Santa Maria Maggiore, Italy. Three polished oval Agates from England; one piece of polished Green Porphyry. Exhibited in Gem Collection.
- TIFFANY GLASS AND DECORATING CO., through Jno. DuFais, N. Y.
One specimen of polished noble Serpentine, from Lissoughter Quarry at Recess (?), Connemara Co., Ireland. In Gem Collection.
- MRS. CHAS. WARREN, Middletown, N. Y.
A various collection of minerals, embracing minerals from Paterson, N. J., some slags not located, and a number of miscellaneous specimens.
- A. YOUNG, New York City.
One bowl-shaped Hematitic Concretion, from California.
- SISTER MARY AUSTEN, New York City.
One Stalactite, from Mammoth Cave near Garcia, Mexico.

CONCHOLOGICAL DEPARTMENT.

- CH. L. BERNHEIMER, New York City.
Specimens of shells, from the West Indies.
- MRS. RICHARD P. DANA, New York City.
A large number of sea shells from various localities.
- A. E. DOUGLAS, New York City.
Specimens of *Voluta junonia*, from Florida, and a large number of marine shells from the same locality.
- HARRY EDWARDS (deceased), New York City.
Egg sacks of Molluscs.
- I. GREGOR, Jacksonville, Fla.
Several species of *Cypræa*, from coast of Florida.
- DR. E. A. MEARNS, U. S. A., Minnesota.
A large series of *Unios*, from western rivers.
- MERCANTILE LIBRARY, New York City.
A miscellaneous collection of shells, comprising *Tellina*, *Hippopus*, *Cardium*, *Murex*, *Triton*, *Strombus*, *Pteroceras*, *Dolium*, *Cassis*, *Cypræa*, *Oliva* and *Voluta*; about 90 shells, with *Discina lamellosa*.
- MASTER VICTOR MEYER, St. George's, Bermuda.
Specimens collected by himself of *Columbella mercatoria*, *Volvaria avena*, *Trivia rotunda*, *Scalaria clathrus*, and *Neritina (Vitta) viridis*.
- JENNESS RICHARDSON, New York City.
A group of Florida marine shells.
- G. S. STANTON, New York City.
Fifteen species of *Strophia*, from Great Cayman, Cayman Banks, W. I.
- R. P. WHITFIELD, New York City.
Nidamental sack of *Lunatia heros*, and nidamental capsules of *Urosalpinx cinerea*, from Coney Island, L. I.

DEPARTMENT OF MARINE INVERTEBRATES.

- JAS. ANGUS, West Farms, N. Y. City.
A collection of dried crustaceans, comprising most of the forms found about New York Harbor. In all eighty-eight specimens.
- MRS. RICHARD P. DANA, N. Y.
A numerous assortment of corallines, sponges, gorgonias, millepores, corals, bryozoans, and crustaceans.
- HARRY EDWARDS (deceased), N. Y.
A collection of sponges, star-fishes, echinoids and annelids.
- CYRUS W. FIELD (deceased), N. Y.
A collection of twenty-three microscopic slides of soundings from the Atlantic Cable Expedition, and a vial of the mud from the same at a depth of six miles. Exact station not given.
- E. W. SMITH, N. Y.
A number of cray-fish collected at Maplewood, N. J.
- R. P. WHITFIELD, N. Y.
Specimens of *Sertularia argentea*, Ellis & Solander. Coney Island, L. I.

DEPARTMENT OF MAMMALS.

TAPPAN ADNEY, New York City.

Beaver cuttings and Indian "skin stretchers," from New Brunswick.

CHARLES F. BATCHELDER, Cambridge, Mass.

3 Western Ground Squirrels.

BARNUM & BAILEY, Bridgeport, Conn.

2 Nylghaus.

C. AUDLEY BULLER, M.D., Guadalajara, Mexico.

1 *Spermophile* (*Spermophilus annulatus*), from Colima, Mexico.

J. L. COX, New York City.

1 Caribou.

MRS. RICHARD P. DANA, New York City.

2 Elephant teeth, several Walrus tusks, teeth of Sperm Whale, and antlers of Deer and Moose.

DEPARTMENT OF PUBLIC PARKS, New York City. (Central Park Menagerie.)

32 Monkeys; 1 young Lion; 1 Puma; 2 Ocelots; 1 Black Leopard; 2 Jaguars; 4 Foxes; 1 Coyote; 1 Coati; 5 Raccoons; 1 Hyæna; 1 Civet Cat; 1 Mongoose; 5 Bears; 5 Sea Lions; 1 Elk fawn; 3 Deer; 1 Goat; 3 Sheep; 1 Nylghau; 1 Llama; 1 Cape Buffalo; 1 Squirrel; 1 Woodchuck; 1 Agouti; 4 Muskrats; 4 Opossums; 1 Phalanger. Total, 86 specimens, received in the flesh.

AUSTIN CORBIN, New York City.

1 California Sea Lion.

EDGAR A. MEARN, M.D., U. S. A., Fort Snelling, Minn.

360 skins of small mammals, with their skulls, chiefly from Minnesota.

MRS. L. W. MINFORD, New York City.

1 Antelope head, 3 Wild Cat skins, from Africa.

JENNESS RICHARDSON, New York City.

1 Wood Rat.

WILLIAM M. RICHARDSON, New York City.

1 Red Squirrel.

JOHN ROWLEY, JR., New York City.

1 skull of Mastiff; 1 skull of Bull Dog; 1 Raccoon; 2 Bats; 1 Shrew; 1 Field Mouse; 1 Gray Squirrel.

GEORGE B. SENNETT, New York City.

30 mounted mammals, from Pennsylvania and Minnesota.

S. P. SLATER, New York City.

1 Saint Bernard Dog.

JOHN SLINGERLAND, New York City.

1 Manx Cat.

H. H. SMITH, Brooklyn, N. Y.

1 Sloth (*Cyclothurus*), from southern Brazil.

MISS ELIZABETH TAYLOR, Winnipeg, Manitoba.

1 skin of Lemming, from near mouth of the Mackenzie River.

WILLIAM WALLACE, New York City.

1 Monkey; 1 Puma; 1 Bear; 1 Fruit Bat; received in the flesh.

JOSÉ C. ZELEDON, San José, Costa Rica.

3 Bats, from Costa Rica.

DEPARTMENT OF BIRDS.

- ANASTACIO ALFARO, San José, Costa Rica.
1 skin of *Zeledonia coronata*.
- MRS. E. S. AUCHINCLOSS, New York City.
9 mounted birds.
- W. C. BROWNELL, New York City.
5 specimens, from near New York City.
- MRS. RICHARD P. DANA, New York City.
25 mounted birds; 80 eggs, and 25 nests.
- WILLIAM H. BEERS, New York City.
1 mounted Albatross.
- MRS. N. BRANDON, New York City.
21 bird skins, from Central America.
- MRS. BURNS, New York City.
Collection of nests and eggs.
- W. WARREN BROWN, New York City.
1 black Wood Thrush.
- S. H. CHUBB, New York City.
7 Chimney Swifts, with 4 nests and sets of eggs, for the Chimney Swift Group; 2 nests of Barn Swallow.
- W. A. CONKLIN, New York City.
1 Rosy-billed Duck.
- CHARLES B. CORY, Boston, Mass.
46 bird skins from the West Indies.
- C. V. CRAWFORD, Montclair, N. J.
1 Jacobin Pigeon.
- R. DEMPHER, New York City.
1 Parakeet; 12 Finches—cage birds; received in the flesh.
- DEPARTMENT OF PUBLIC PARKS, New York City. (Central Park Menagerie.)
6 Starlings; 2 Mocking Birds; 1 Hawk; 3 Black Swans; 1 White Swan; 5 Parakeets; 4 Macaws; 2 Parrots; 2 Cockatoos; 15 Owls; 1 Ostrich; 4 Pheasants; 1 Eagle; 1 Crow; 1 Flamingo; 2 Herons; 1 Crowned Crane; 1 Peacock; 1 Game Bantam; 5 Ducks; 2 Rails; 1 Purple Gallinule; 5 Grosbeaks; 2 Quails; 2 Sparrows; 1 Cuckoo; 2 Chinese Hill Tits. Total, 73 specimens, received in the flesh.
- B. H. DUTCHER, New York City.
3 Brown Creepers; 4 Swamp Sparrows.
- WILLIAM DUTCHER, New York City.
1 mounted Hybrid Duck (*Anas obscura* + *A. boschas*).
- D. G. ELLIOT, New York City.
1 Hybrid Duck (*Anas boschas* + *A. americana*)
- CYRUS W. FIELD, New York City.
45 mounted birds, mostly from South America.
- W. W. GRANGER, New York City.
26 small birds, from vicinity of New York.
- LEVERETT M. LOOMIS, Chester, S. C.
58 bird skins, from South Carolina, mostly Ducks and other water birds.

- C. B. ISHAM, New York City.
5 small birds, from vicinity of New York City.
- MRS. W. H. KERR, New York City.
1 Parakeet (*Brotogeris lori*).
- MRS. GEORGE A. KNIGHT, New York City.
1 mounted Snowy Owl.
- L. KONE, New York City.
7 small birds.
- GEORGE N. LAWRENCE, New York City.
2 rare South American Pigeons.
- ROBERT H. LAWRENCE, Portland, Oregon.
65 bird skins from Oregon and Washington.
- L. McCORMACK, New York City.
1 *Vireo flavifrons*.
- GEORGE H. MACKAY, Nantucket, Mass.
1 skull of Shearwater.
- WILLIAM P. McCANN, Rear Admiral, U. S. N.
14 bird skins from Patagonia and Uruguay.
- EDGAR A. MEARNS, M.D., U. S. A., Fort Snelling, Minn.
615 bird skins, and a large collection of nests and eggs, mostly from Minnesota.
- AUSTIN F. PARKS, Troy, N. Y.
5 Grackles.
- JENNESS RICHARDSON, New York City.
1 Owl, 1 Chat, 1 Bunting, 3 Sparrows, 4 Warblers, 1 Paroquet.
- WM. M. RICHARDSON, New York City.
3 South American bird skins; 1 Bluebird; 1 Sparrow.
- JOHN ROWLEY, JR., New York City.
70 small birds, from near New York City.
- HENRY B. SARGENT, New York City.
Set of eggs of Mountain Chickadee (*Parus gambeli*).
- DR. P. L. SCLATER, Zoölogical Society, London, England.
6 Tasmanian birds, mostly types of published figures.
- EDWARD and LILLIAN SEE, New York City.
1 nest of Red-eyed Vireo.
- S. P. SLATER, New York City.
1 White Pouter Pigeon.
- E. W. SMITH, Orange, N. J.
36 small birds, mostly from northern New Jersey.
- D. JACKSON STEWARD, New York City.
1 Collared Parakeet.
- ERNEST E. THOMPSON, Toronto, Canada.
29 bird skins, chiefly from Manitoba.
- J. T. WHISTLER, San Bernardino, Cal.
Section of pine bark, containing acorns inserted by Woodpeckers.
- CHARLES C. WALKER, Troy, N. Y.
Nest and 2 eggs of Phoebe.

DEPARTMENT OF REPTILES AND FISHES.

- CHARLES L. BERNHEIMER, New York City.
Jaws of a large Shark ; 1 Porcupine Fish ; 1 Flying Fish ; jaw of Sawfish.
- JOHN BRADLEY, New York City.
Specimens of the "Sea-horse" (*Hippocampus*).
- JAMES F. CANFIELD, Brooklyn, N. Y.
1 Copperhead, Palisades, Rockland Co., N. Y.
- MRS. RICHARD P. DANA, New York City.
Swordfish and other stuffed fishes, and various specimens of Turtles and Lizards, and large Snake in alcohol.
- DEPARTMENT OF PUBLIC PARKS, New York City (Central Park Menagerie).
4 Alligators ; 2 Gila Monsters ; 12 Snakes.
- DAVID DOWNEY, D.D., Nellore, India.
1 mounted Cobra.
- MRS. HARRY EDWARDS, New York City.
3 specimens of *Hippocampus* ; 2 eggs of Ray.
- J. T. HARRIS, New York City.
1 Turtle.
- GEORGE N. LAWRENCE, New York City.
1 Porcupine Fish ; 1 young Sawfish.
- GEORGE H. MACKAY, Nantucket, Mass.
2 Toads, Muskeget Isl., Mass.
- EDGAR A. MEARNS, M. D., U. S. A., Fort Snelling, Minn.
60 specimens of Reptiles and Fishes, from Minnesota.
- MRS. L. W. MINFORD, New York City.
3 large Snake skins, from Congo, Africa.
- MRS. J. G. MINTS, West Hartford, Conn.
1 Spotted Salamander.
- JASPER OWEN, New York City.
Tail of a large Shark, from Florida.
- WM. M. RICHARDSON, New York City.
6 Turtles, from Long Island.
- ARCHIBALD ROGERS, Hyde Park, N. Y.
4 large Copperhead Snakes, and 1 Milk Snake, from Hyde Park, N. Y.
- H. S. SPRAGUE, Centre Moriches, L. I.
1 Snake.

DEPARTMENT OF ENTOMOLOGY.

- MISS EMILY MORTON, Newburg, N. Y.
1 Hybrid between *Platysamia cecropia* and *P. columbia*.
2 Hybrids between *Platysamia cecropia* and *P. ceanothi*.
2 Hybrids between *Platysamia cecropia* and *P. gloveri*.
2 *Apatelodes torrefacta*.
2 *Calodasys leptinoides*.
- A. BOLTER, Chicago, Ill.
4 *Cleonus calandroides*, from Nantucket.
4 *Ephalus latimanus*, " "

ANASTASIO ALFARO, San José, Costa Rica.
A few insects from Costa Rica.

CARL LUMHOLTZ.
About 150 Beetles, from Sonora, Mexico.

JENNESS RICHARDSON, New York City.
About 250 insects from Florida.

A. S. FULLER, Ridgewood, N. J.
Eggs of Katydid.

CHARLES U. CLARK, Brooklyn, N. Y.
A number of beetles, from Massachusetts.

DEPARTMENT OF ARCHÆOLOGY AND ETHNOLOGY.

MORRIS K. JESUP.
7 alabaster, sculptured specimens, from Mexico.

LAURA A. C. MILLER, No. 80 West 87th Street, N. Y. City.
One coat made of the intestine of the Whale.

CYRUS W. FIELD.
One necklace of nuts and teeth, collected by him on the Andes,
between Quito and Bogota.

MRS. G. H. DUNHAM, No. 19 West 81st Street.
2 grooved stone axes.
1 grooved stone pick, all found in Hackensack, N. J.

CHARLES L. BERNHEIMER, No. 51 White Street, N. Y. City.
3 ornamented calabashes, from Martinique.
2 calabash cups, from Venezuela.
2 calabash bowls, ornamented, from Venezuela.

DR. ROLF. PIHLGREN, Grand Union Hotel, N. Y. City.
One stone mortar and one broken pestle from Lackawanna County,
Pa.

JENNESS RICHARDSON, Museum.
Skulls and skeletons from mounds in Micco, Florida.

CHARLES P. ROWLEY, Museum.
One grinder or metate rubber, found in a cliff house 75 feet up, in
Ruin Cañon, Utah, May 15th, 1892.

TAPPAN ADNEY.
Skin stretcher (3 pieces), Tobique River, N. B.
Bark of cedar, used by Indians for lacings, Tobique River, N. B.

MRS. L. W. MINFORD, Hotel Grenoble, 56th Street and 7th Avenue.
3 native caps.
Sample of native cloth.
Sample of native cloth, morning dress.
Sample of native rubber gum, all from the Congo region, Africa.

A. I. COTHEAL.
One Jade pendant, from the neighborhood of Realjo, Nicaragua, C. A.

CHARLES L. BERNHEIMER, N. Y. City.
A bag, belt, bracelet and necklace, made of the mimosa seed by the
Martinique Negresses.
3 red clay water pitchers, different forms, from Martinique.

GEORGE F. KUNZ.
4 gold and 2 silver ornaments, from mounds in Florida.

E. S. PARKER, 22 West 87th Street.

One red stone hammer or club head, with groove, from Oklahoma,
Indian Territory.

MRS. RICHARD P. DANA, No. 146 West 14th Street.

Tappa cloth dress.

One dance stick with eagle feathers and flannel.

1 braided band.

1 wood war club.

1 necklace (pinte).

2 stone hammers, grooved, Lake Superior.

1 Indian hatchet, Ashford Hill, Westchester Co., N. Y.

5 pottery vessels, Mississippi Valley.

2 pottery vessels, Nicaragua.

4 celts or chisels, probably Central America.

1 celt, Canada.

1 celt, unknown locality.

14 chipped implements, Mississippi Valley.

1 plummet, Mississippi Valley.

1 disc (pottery), Mississippi Valley.

1 stone ball, found in shell rock, Becroft Mountain, Columbia Co.,
N. Y.

1 bone bead, vide Schoolcraft.

1 large sculptured stone head (human), Stephens & Catherwood.

MRS. DR. W. R. BIRDSALL, No. 144 East 74th Street.

5 large photographs of Cliff Dwellers, Cañon of the Mesa Verde,
New Mexico.

J. BRADLEY JAMES, JR., Riverdale, New York.

An interesting local collection of Indian Relics.

EXCHANGES.

LIBRARY.

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

Journals. 26 odd numbers.

G. E. STECHERT, New York City.

Société Zoologique d'Acclimation. Bulletin, 31 vols. 1854-1884.

Langille, Rev. J. H. Our Birds in their Haunts. 1884.

Harvie-Brown. The Capercaillie in Scotland. 1879.

Minding, J. Ueber der geographische Vertheilung der Säugethiere.
1829.

Heuglin, Th. v. Systematische Uebersicht d. Vögel Nordost-Afrikas.
1856.

Ruppell, E. Säugethiere aus d. Ordnung d. Nager im Nordöstlichen
Africa. 1842.

Cuvier, F. De l'Histoire naturelle des Cétacés. 1836.

Schmidt, O. Naturgeschichtliche Darstellungen. 1858.

Homeyer, E. F. v. Die Wanderungen der Vögel. 1881.

Schmarda, L. K. Zoologie. Band I, II. 1871.

- Owen, R. A History of British Fossil Mammals and Birds. 1846.
 Heuglin, M. Th. v. Beiträge Zur Zoologie Central Afrikas. 1864.
 Heuglin, M. Th. v. Ueber die Antilopen und Büffel Nordost-Afrikas. 1863.
 Buffon. Histoire Naturelle and Supplements. 22 vols. 1749-'89.
 Blasius, F. H. Fauna Wirbelthiere Deutschlands. 1857.
 Foster, A. South Australia, its Progress and Prosperity. 1866.
 Grey, Geo. Journals of two Expeditions of Discovery in N. W. and Western Australia. 2 vols. 1841.
 Barrington, Geo. The History of N. S. Wales, including Botany Bay. 1810.
 Adams, A. L. Notes of a Naturalist in the Nile Valley and Malta. 1870.
 The New Zealanders. 1830.
 Oliphant, L. A Journey to Katmandu. 1852.
 Kneeland, S. An American in Iceland. 1876.
 Osborn, S. Stray Leaves from an Arctic Journal. 1852.
 Du Boillieu. Recollections of Labrador Life. 1861.
 Collins. An Account of the English Colony in N. S. Wales. 2 vols. 1802-1804.
 A Spring and Summer in Lapland. 1871.
 Jenyns, L. A Manual of British Vertebrate Animals. 1835.
 Russ, K. The Speaking Parrots, a Scientific Manual. 1884.
 Booth, E. T. Catalogue of the Cases of Birds in the Dyke Road Museum, Brighton. 1876.
 Dunn, R. The Ornithologist's Guide to the Islands of Orkney and Shetland. 1831.
 The Domestic Habits of Birds. 1833.
 Newman, E. A Dictionary of British Birds. Reprint of Montagu's with additions. 1866.
 Tennent, J. E. The Wild Elephant. 1867.
 The Life of a Bird. 1851.
 Maln, S. C. A Systematic Catalogue of the Eggs of British Birds. 1858.
 North, A. J. Descriptive Catalogue of the Nests and Eggs of Birds found in Australia and Tasmania. 1889.
 Hutchinson, A. H. Try Lapland, a fresh field for Summer Tourists. 1870.
 Gurney, J. H. Rambles of a Naturalist in Egypt and other Countries. Banks, J. Letters on Iceland. Second Edition. 1780.
 Bischoff, J. Sketch of the History of Van Dieman's Land. 1832.
 Foster, T. Observations of the Natural History of Swallows. 1817.
 Percivall, W. The Anatomy of the Horse. 1868.
 Bolton, J. Harmonia Ruralis, or Essay toward a Natural History of British Song Birds. 1845.
 Edinburgh Philosophical Society. 33 vols. 1819-1864.

GEOLOGICAL DEPARTMENT.

A. C. BATES, New York City.

A small collection of Western Hudson River fossils; about 130 specimens from Clermont Co., Oxford, Lebanon and Cincinnati, Ohio; eight specimens of coal fossils from Newcastle, Alabama, and one block of fresh-water shell casts (*Vivipara*?) from Green River, Wyoming.

DEPARTMENT OF MAMMALS.

PROF. JOHN MACOUN, Canadian Geological Survey.

8 Squirrels.

N. W. FAIR, Asheville, N. C.

6 small Mammals from North Carolina.

COLLEGE OF PHYSICIANS AND SURGEONS, New York City.

1 Monkey.

DEPARTMENT OF BIRDS.

PROF. JOHN MACOUN, Geol. Survey of Canada.

55 specimens, mostly from British Columbia.

JENNESS RICHARDSON, New York City.

14 specimens from India.

W. C. SOUTHWICK, Raritan, N. J.

7 specimens from New Jersey.

GEORGE E. VERRILL, New Haven, Conn.

1 Gallinule (type of *Porphyrio corni* Allen), and two Petrels.

PURCHASES.

LIBRARY.

Catalogue of the Birds in the British Museum. Vols. XVI, XVII.

Edward's Butterflies of North America. No. 13. 1892.

Trow's New York City Directory. 1892.

Publisher's Weekly. 1892.

The City Record. 1892.

Science. 1892.

American Journal of Science and Arts. 1892.

American Geologist. 1892.

American Naturalist. 1892.

Garden and Forest. 1892.

Forest and Stream. 1892.

Report of the H. M. S. Challenger. Deep Sea Deposits.

The Ibis. 1892.

The Zoölogist. 1892.

Nature. 1892.

Annales and Magazine of Natural History. 1892.

Biologia Centrali Americana. Nos. 98-105.

Palæontographical Society. 1891.

Tryon's American Marine Conchology. Manual of Conchology. Nos. 25, 27-30, 49, 51-54.

Zoölogical Record. 1890, 1891.

Zoologischer Anzeiger. 1892.

Palæontographica. 1891-'92.

Cabanis's Journal für Ornithologie. 1892.

- Neues Jahrbuch Mineralogie, Geologie and Palæontology. 1892.
 Jackson, B. D. Guide to the Literature of Botany. 1881.
 Lippincott's Gazetteer of the World. 1888.
 Stieler's Hand-Atlas.
 Maynard, C. J. Manual of North American Butterflies. 1891.
 Ormerod, E. A. Manual of Injurious Insects. 1890.
 Smith, J. B. List of Lepidoptera of Boreal America. 1891.
 Saussure, H. de. Melanges Orthopterologiques. 3 vols. 1863-'78.
 Saussure, H. de. Etudes sur les Myriapodes et les Insectes. 1870.
 Stål, C. Recensio Orthopterorum. 1873-1875.
 Brauer, F. Monographie der Oestriden. 1863.
 Hofmann, E. Die Gross-Schmetterlinge Europas. 1887.
 Staudinger and Schatz. Exotische Schmetterlinge. 2 vols. 1885.
 King, M. Handbook of New York City. 1892.
 Proceedings of the Entomological Society, Washington. 1889-'92.
 Edward's Library on Entomology. 463 volumes, and 1900 pamphlets.

MINERALOGICAL DEPARTMENT.

GEO. L. ENGLISH & CO., New York City.

One specimen of Rubellite (Tourmaline) in Lepidolitic Schist, San Diego Co., Cal.

DEPARTMENT OF MAMMALS.

THROUGH MUSEUM EXPEDITIONS.

- 115 specimens, from near Trinidad, Cuba, collected by Frank M. Chapman, Assistant Curator.
- 13 specimens from Bravard Co., Florida, collected by Jenness Richardson, Chief of Department of Taxidermy.
- 380 specimens from Colorado, Utah, and New Mexico, collected by Charles P. Rowley, of the "Illustrated American" Expedition.
- 13 specimens from Sonora, Mexico, from the Lumholtz Expedition.

BY DIRECT PURCHASE.

- 1 Camel; 2 Monkeys; 1 Mexican Dog; 1 Jackal; 1 Tayra; received in the flesh.

DEPARTMENT OF BIRDS.

THROUGH MUSEUM EXPEDITIONS.

- 472 specimens, collected near Trinidad, Cuba, by Frank M. Chapman, Assistant Curator.
- 216 bird skins, and a small collection of nests and eggs, from Sonora and Chihuahua, Mexico, from the Lumholtz Expedition.
- 127 specimens, from Colorado, Utah, and New Mexico, collected by Charles P. Rowley, in connection with the "Illustrated American" Expedition.
- 35 specimens from Bravard Co., Fla. (including the materials for the Little Blue Heron Group), collected by Jenness Richardson, Chief of the Department of Taxidermy.

BY DIRECT PURCHASE.

- 60 specimens from Venezuela; about 1000 specimens from southern Brazil.

DEPARTMENT OF REPTILES AND FISHES.

THROUGH MUSEUM EXPEDITIONS.

Collection of Snakes, Lizards and Toads, from Northern Sonora and Northern Chihuahua, from the Lumholtz Expedition.

2 Snakes, 15 Lizards, and 1 Toad, from Colorado, Utah and New Mexico, collected by Charles P. Rowley, of the "Illustrated American" Expedition.

Collection of Lizards and Tree Frogs, from Trinidad, Cuba, collected by Frank M. Chapman, Assistant Curator.

DEPARTMENT OF ENTOMOLOGY.

THE ENTOMOLOGICAL COLLECTION formed by the late Henry Edwards, consisting of about 250,000 specimens from all parts of the globe. This collection was purchased by friends of the deceased and the Museum.

DEPARTMENT OF ARCHÆOLOGY AND ETHNOLOGY.

GEORGE F. KUNZ, Hoboken, N. J.

Collection of Jadeite and Nephrite specimens, 494 pieces.

INCORPORATION.

AN ACT

TO INCORPORATE THE

AMERICAN MUSEUM OF NATURAL HISTORY,

Passed April 6, 1869.

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

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

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

to such Constitution and By-Laws, the persons named in the first section of this Act shall be, and are hereby declared to be the Trustees and Managers of said Corporation and its property.

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

SEC. 4. Said Corporation shall possess the general powers, and be subject to the restrictions and liabilities prescribed in the Third Title of the Eighteenth Chapter of the First Part of the Revised Statutes.

SEC. 5. This Act shall take effect immediately.

STATE OF NEW YORK, }
OFFICE OF THE SECRETARY OF STATE. } ss.

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

[L. S.] Given under my hand and seal of Office at the City of Albany,
 this fourteenth day of April, in the year one thousand eight
 hundred and sixty-nine.

D. WILLERS, JR., *Deputy Secretary of State.*

CONSTITUTION

OF THE

AMERICAN MUSEUM OF NATURAL HISTORY,

IN THE CITY OF NEW YORK.

ARTICLE I.

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

ARTICLE II.

The several persons named in the charter, and such others as they may add to their number, which shall not exceed twenty-five in all at one time, shall be the Trustees to manage the affairs, property, and business of the Corporation, and in case of the death, accepted resignation, or removal from the State of any Trustee, a new Trustee shall be elected to fill his place by the remaining Trustees ; but no election of a Trustee shall be held except at a quarterly meeting of the Trustees, on written notice of not less than one week, specifying that such election is to be held, and the vacancy which is to be filled ; and every election of Trustees shall be by ballot, and no person shall be deemed to be elected a Trustee unless he shall receive the votes of at least three-fourths of the Trustees present.

ARTICLE III.

The Trustees shall meet quarterly, on the second Monday of every February, May, August and November, at an hour and place to be designated, on at least one week's written notice from the Secretary, and shall annually, at the quarterly meeting in February, elect the officers and committees for the ensuing year. They shall also meet at any other time to transact special business on a call of the Secretary, who shall issue such call whenever

requested so to do, in writing, by five Trustees, or by the President, and give written notice to each Trustee of such special meeting, and of the object thereof, at least three days before the meeting is held.

ARTICLE IV.

SECTION 1. The officers of said Corporation shall be a President, a First Vice-President, a Second Vice-President, and a Treasurer, all to be elected from the Trustees. These officers shall be elected by ballot, and the persons having a majority of the votes cast shall be deemed duly elected. They shall hold their offices for one year or until their successors shall be elected.

SEC. 2. The Board of Trustees shall appoint each year, in such manner as it may direct, the following Standing Committees: an Executive Committee, an Auditing Committee, a Finance Committee and a Nominating Committee. These Committees are all to be elected from the Trustees, and the members shall hold office for one year or until their successors shall be elected.

The Board of Trustees shall also have authority to appoint such other Committees or officers as they may at any time deem desirable, and to delegate to them such powers as may be necessary.

ARTICLE V.

SECTION 1. The President shall have a general supervision and direction over the affairs of the Corporation, and shall preside at all the meetings of the Museum and of the Trustees. In his absence or inability to act the First or Second Vice-President shall act in his place.

SEC. 2. The Secretary shall be appointed by the Board of Trustees. He shall be present, unless otherwise ordered by the Board, at all the meetings of the Museum and Trustees, of the Executive Committee and such other Committees as the Board may direct. He shall keep a careful record of the proceedings of such meetings, shall preserve the seal, archives and correspondence of the Museum, shall issue notices for all meetings of the Trustees and various committees, and perform such other duties as the Board may direct.

The Board of Trustees shall have power to appoint an Assistant Secretary, who, under its directions, shall perform the duties of the Secretary in his absence or inability to act.

SEC. 3. The Treasurer shall receive and disburse the funds of the Museum. He shall report in writing, at each quarterly meeting of the Trustees, the balance of money on hand, and the outstanding obligations of the Museum, as far as practicable; and shall make a full report at the Annual Meeting of the receipts and disbursements of the past year, with such suggestions as to the financial management of the Museum as he may deem proper.

SEC. 4. The accounts of the Museum shall be kept at the General Office, in books belonging to it, which shall at all times be open to the inspection of the Trustees.

These accounts shall be under the care of an Assistant Treasurer, who shall be appointed by the Board of Trustees and be under their direction. He shall give such bonds for the faithful performance of his duties as the Board may direct.

SEC. 5. The office of Secretary and of Assistant Treasurer may be held by the same person.

ARTICLE VI.

The Executive Committee shall consist of nine, of whom the President, First and Second Vice-Presidents, and Treasurer shall be four. The five members of the Executive Committee, elected in February, 1887, shall forthwith draw lots for terms of one, two, three, four, and five years, respectively, and the terms for which those drawing the two, three, four, and five years, respectively, were elected, are hereby extended to cover those periods; and hereafter at each annual election one member of the Executive Committee shall be elected to serve for five years. They shall have the control and regulation of the Collections, Library and other property of the Museum; and shall have power to purchase, sell, and exchange specimens and books, to employ agents, to regulate the manner and terms of exhibiting the Museum to the public, and generally to carry out in detail the directions of the Trustees; but the Executive Committee shall not incur any expense or liability for the Museum exceeding two

thousand dollars at one time, or exceeding in all ten thousand dollars, in the interval between the quarterly meetings of the Trustees, without the express sanction of the Trustees. Five members of the Committee shall constitute a quorum for the transaction of business.

ARTICLE VII.

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

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

ARTICLE VIII.

The Finance Committee shall consist of four, including the Treasurer. It shall be their duty to take charge of and invest the funds of the Museum in its name and to take all proper measures to provide means for its support ; and they shall have the sole custody of the securities belonging to the invested funds of the Museum, subject to the order of the Board of Trustees.

ARTICLE IX.

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

ARTICLE X.

The President shall be a member, *ex-officio*, of all standing committees.

ARTICLE XI.

A majority of the Trustees for the time being shall constitute a quorum for the transaction of business, but five Trustees meeting

may adjourn and transact current business, subject to the subsequent approval of a meeting at which a quorum shall be present.

ARTICLE XII.

By-Laws may from time to time be made by the Trustees providing for the care and management of the property of the Corporation and for the government of its affairs, and may be amended at any meeting of the Trustees by a vote of a majority of those present, after a month's notice in writing of such proposed amendment.

ARTICLE XIII.

The contribution of \$1000 or more to the funds of the Museum, at any one time, shall entitle the person giving the same to be a Patron of the Museum, who shall have the right in perpetuity to appoint the successor in such patronship.

The contribution of \$500, at one time, shall entitle the person giving the same to be a Fellow, who shall have the right to appoint one successor in such fellowship.

No appointment of a successor shall be valid unless the same shall be in writing, endorsed on the certificate, or by the last will and testament.

The contribution of \$100, at one time, shall entitle the person giving the same to be a Life Member.

Any person may be elected by the Trustees to either of the above degrees, who shall have given to the Museum books or specimens, which shall have been accepted by the Executive Committee, or by the President, to the value of twice the amount in money requisite to his admission to the same degree, and the President and Secretary shall issue diplomas accordingly under the seal of the Museum.

The Trustees may also elect Honorary Fellows of the Museum in their discretion.

ARTICLE XIV.

Any person who has held the office of President for ten or more successive years may be elected by the Trustees as Honorary President for life.

ARTICLE XV.

No alterations shall be made in this Constitution, unless at a regular quarterly meeting of the Trustees ; or at a special meeting called for this purpose, nor by the votes of less than a majority of all the Trustees ; nor without notice in writing of the proposed alteration, embodying the amendment proposed to be made, having been given at a regular meeting.

BY-LAWS.

I.

Patrons giving \$1000 are each entitled to one Subscriber's Ticket, 5 Complimentary Season Tickets, and 10 Tickets for a single admission.

Fellows, giving \$500, are each entitled to 1 Subscriber's Ticket, and 10 Tickets for a single admission.

Life Members, giving \$100, are each entitled to 1 Subscriber's Ticket, and 5 Tickets for a single admission.

Annual Members, paying \$10 yearly, are each entitled to 1 Subscriber's Ticket, and 2 Tickets for a single admission.

[NOTE.—A Subscriber's Ticket admits two persons to the Museum 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.

By the Payment of One Thousand Dollars.

MORRIS K. JESUP.
 ROBERT L. STUART.*
 Miss C. L. WOLFE.*
 ROBERT COLGATE.*
 FREDERIC W. STEVENS.
 PERCY R. PYNE.
 JAMES M. CONSTABLE.
 JOHN B. TREVOR.*
 ADRIAN ISELIN.
 HUGH AUCHINCLOSS.*
 JOSEPH W. DREXEL.*
 WILLIAM E. DODGE.
 JOHN D. WOLFE.*
 ABRAM S. HEWITT.
 C. VANDERBILT.
 J. PIERPONT MORGAN.
 CHARLES LANIER.
 D. JACKSON STEWARD.
 EDWARD CLARK.*
 A. G. PHELPS DODGE.
 JAMES BROWN.*
 A. T. STEWART.*
 S. WHITNEY PHOENIX.*
 BENJAMIN H. FIELD.
 WILLIAM T. BLODGETT.*
 OLIVER HARRIMAN.
 ROBERT BONNER.
 JAMES B. COLGATE.
 ALEXANDER STUART.*
 WILLIAM A. HAINES.*
 BENJAMIN AYMAR.*
 RICHARD ARNOLD.*
 JOSEPH H. CHOATE.
 JONATHAN THORNE.*
 Miss PHEBE ANNA THORNE.
 D. O. MILLS.
 JOHN A. C. GRAY.
 HEBER R. BISHOP.
 CHAS. G. LANDON.
 WILLIAM E. DODGE.*
 PETER COOPER.*
 WILLIAM H. ASPINWALL.*

B. H. HUTTON.*
 J. TAYLOR JOHNSTON.
 D. N. BARNEY.*
 I. N. PHELPS.*
 JAMES STOKES.*
 D. WILLIS JAMES.
 EDWARD MATTHEWS.
 WILLIAM T. GARNER.*
 JAMES LENOX.*
 A. H. BARNEY.*
 COLEMAN T. ROBINSON.*
 BENJAMIN B. SHERMAN.*
 JAMES R. ELY.
 JONAS G. CLARK.
 JOHN ANDERSON.*
 JOHN JACOB ASTOR.*
 WILLIAM WALDORF ASTOR.
 CATHERINE L. SPENCER.*
 JAS. GORDON BENNETT.
 CYRUS W. FIELD.*
 ALEX. H. BROWN, M.P.
 J. A. BOSTWICK.*
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 Sherman, Charles A.
 Shethar, Samuel
 Sidenberg, Gustavus
 Sill, Charles
 Sinclair, John
 Skidmore, Mrs. Jos. R.
 Sloan, Samuel
 Sloan, William S.

- Smith, Adon
 Smith, Charles S.
 Smith, Geo. W.
 Smith, James Baker
 Smith, James Rufus
 Smith, John Jewell
 Smith, Rev. Cornelius B
 Smith, William Alex.
 Snow, Elbridge G., Jr.
 Spencer, Charles H.
 Spencer, Hon. James C.
 Spicer, Elihu
 Splint, Thomas G.
 Stacpoole, Richard
 Starin, John H.
 Stearns, John Noble
 Stebbins, Jas. H.
 Stechert, Gustav E.
 Steers, Edward P.
 Steers, Henry
 Stephens, Benjamin
 Stern, Benjamin
 Sterry, Geo. E.
 Stetson, Geo. W.
 Stewart, Lisenard
 Stewart, William R.
 Stiehl, Gustav H.
 St. John, William P.
 Stone, David M.
 Stone, Edwin
 Stone, Mason A.
 Stone, Mrs. Catherine C.
 Stone, Mrs. Georgiana C.
 Stone, Sumner R.
 Storm, Clarence
 Storm, George
 Strong, Charles E.
 Strong, W. L.
 Sturgis, Appleton
 Sutherland, John
 Sutherland, John L.
 Sutton, Woodruff
 Swain, George F.
 Tack, Theodore E.
 Tailer, Edward N.
 Taintor, C. M.
 Taintor, Charles N.
 Talcott, James
 Talmadge, Henry
 Taylor, Mrs. Aug. C.
 Taylor, George
 Taylor, Mrs. C. A.
 Taylor, Stevenson
 Tefft, F. Griswold
 Tefft, Wm. E.
 Terbell, H. S.
 Thieriot, A.
 Thomas, T. G., M.D.
 Thompson, John C.
 Thompson, W. Prall
 Thomson, Eugene
 Thomson, Giraud F.
 Thorne, William K.
 Thurber, H. K.
 Tiemann, Peter C.
 Tiffany, Louis C.
 Tilford, Charles E.
 Tillinghast, W. H.
 Tonnelé, John L.
 Toothe, William
 Toucey, J. M.
 Townsend, R. W.
 Tracy, J. Everts
 Trevor, H. G.
 Trevor, Mrs. John B.
 Tucker, John C.
 Turnure, Lawrence
 Tuttle, Nathaniel
 Twombly, H. McK.
 Twombly, Horatio N.
 Ulmann, S. B.
 Valentine, Mrs. Lawson
 Van Brunt, Cornelius
 Van Brunt, Hon. C. H.
 Van Norden, Warner
 Van Slyck, W. H.
 Van Wickle, A. S.
 Van Winkle, Edgar B.
 Van Winkle, Miss E. S.
 Vandervoort, W. L.
 Veit, Richard C.
 Voorhis, Wm. W. L.
 Wales, Salem H.
 Walker, William I.
 Wallace, James
 Wallace, Lewis
 Wallach, Anthony
 Ward, Lebbeus B.
 Ward, Mrs. Thomas
 Warner, Lucien C.
 Watson, Miss Emily A.
 Watson, Walter
 Weatherbee, Mrs. E. H.
 Webb, W. H.
 Weed, Benjamin
 Weekes, John A.
 Weeks, Francis H.
 Weissman, L.
 Welch, Peter A.
 Welling, W. M.
 Wetherbee, Gardner
 Wetmore, Dr. John McE
 Wheelock, Dr. W. E.
 Wheelock, Geo. G., M.D.
 Wheelock, Wm. A.
 Whipple, Leander E.
 White, Horace
 Whitehead, Charles E.
 Whitely, James
 Whitney, Alfred R.
 Wicke, William
 Wickes, Edward A.
 Wickham, Delos O.
 Wiebusch, Chas. F.
 Williams, George G.
 Wilson, John
 Wing, John D.
 Witherbee, Frank S.
 Wood, Mrs. George
 Worthen, W. E.
 Wray, Mrs. Cornelia S.
 Wright, Benjamin
 Wynkoop, Francis S.
 Youmans, Daniel D.
 Zabriskie, Andrew C.
 Zickel, S.

DECEASED MEMBERS

1892.

Auchincloss, E. S.	Dow, John Melmoth, F.Z.S.	Livingston, Wm. S.
Baldwin, Edward	Eidlitz, Marc	Mortimer, W. Y.
Beebe, Chas. E.	Findlay, Andrew	Sands, Samuel S.
Cathcart, George R.	Hart, Rev. A. B.	Schaus, Wm.
Coles, Mrs. W. F.	Hyde, Samuel T.	Smith, Roswell
Colgate, Samuel J.	Jaffray, E. S.	Swords, Albert S.
Cook, John C.	Kellogg, Charles	Winthrop, Robert
Cullum, Gen. Geo. W.	Knox, Alexander	

