THE FOURTEENTH

ANNUAL REPORT

OF THE

American Museum of Natural History

(CENTRAL PARK, NEW YORK,)

77th Street and 8th Avenue.

MAY 1st, A. D. 1883.

PRINTED FOR THE MUSEUM.

WM. C. MARTIN, PRINTER, No. 111 JOHN STREET.

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American Museum of Natural History.

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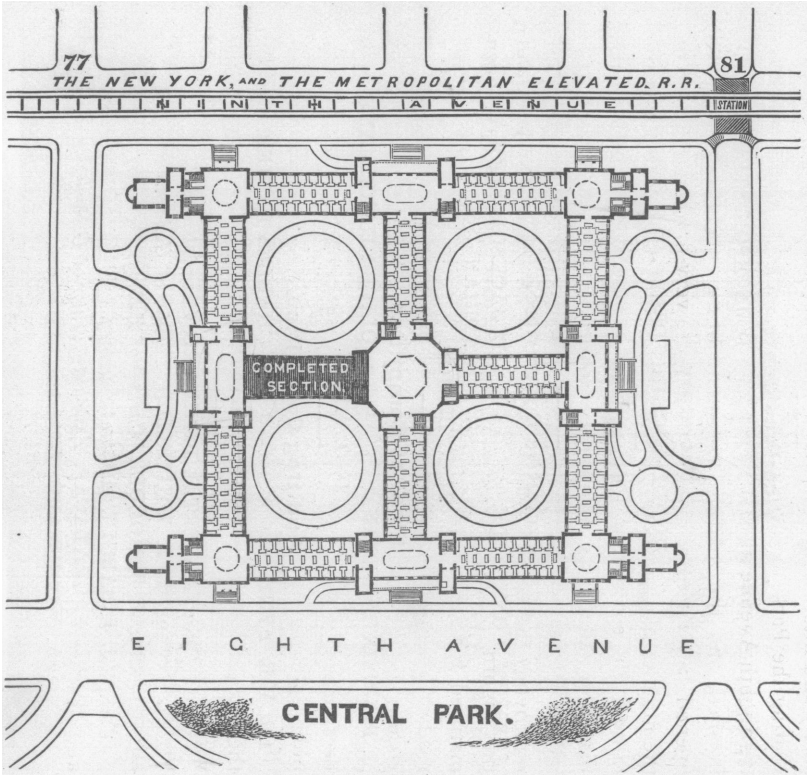
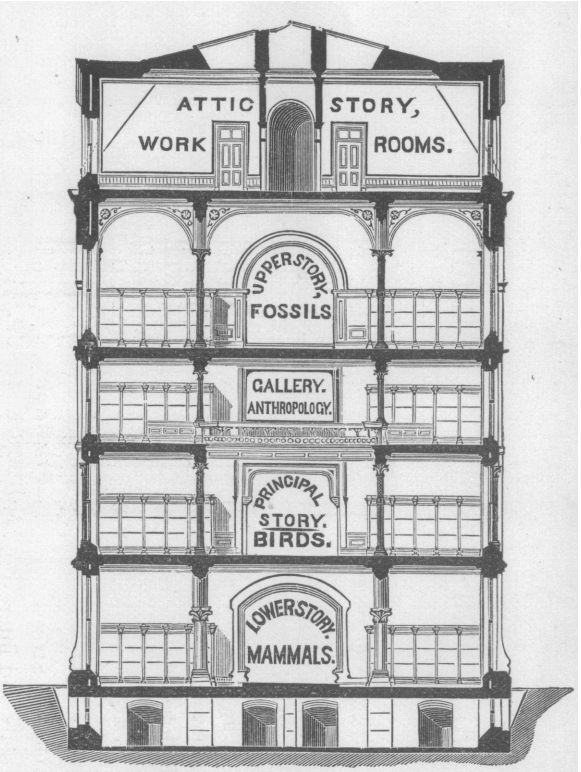


GROUND PLAN.



TRANSVERSE SECTION.

FOURTEENTH ANNUAL REPORT.

1882.

The Trustees of the AMERICAN MUSEUM OF NATURAL HISTORY herewith present their Fourteenth Annual Report, to the Patrons, Fellows and Members of the Museum.

The improvements proposed by the plans prepared at the expense of the Trustees, and adopted by the Department of Public Parks, for connecting Manhattan Square with Central Park at 77th and 81st Streets, have been completed, and our building with its costly and interesting collections is now accessible to our citizens visiting the Park in carriages or on foot. The roadway connecting Eighth Avenue at 81st Street with the Westerly Drive has been finished, and the roadway and stone bridge at 77th Street were opened last Thanksgiving Day; and the very marked increase in the number of our visitors proves the importance of this accessibility in the estimation of the public. These improvements have been completed for considerably less than the appropriation provided, so that it is hoped ample means remain for properly improving the area of the Park between the two entrances and the Eighth Avenue and the Westerly Drive. Plans have been matured for the completion of the system of walks which these roadways render necessary. Signs have been prepared for guiding visitors by the most direct paths to the Museum, and during the coming season it is expected this whole portion of the Park will be finished in the same complete manner as other parts of our public pleasure ground.

On Manhattan Square all the filling has been brought in, and the surface of the borders and the southern half has been covered with mould, and partly planted. The work is now so far advanced that it will be completed during the coming summer, with the sum already appropriated by the Board of Apportionment.

The purpose of the Trustees to add, if possible, every year new and instructive specimens to the Museum, but more especially to

complete the collections already begun, has led to making contracts with Prof. H. A. Ward, of Rochester, for all the mammals of North America, as far south as the Rio Grande between Texas and Mexico, as is necessary to supplement our present collection and make it complete in every respect. One consignment of these specimens has been received, which includes a remarkably fine group of walruses from Alaska. A second contract made with Prof. Ward is to provide the Museum with specimens of all the monkeys of the world, and during the year the Museum will receive from both these contracts large and valuable additions.

All the mammals on exhibition have been fully and satisfactorily labeled, and the specimens to arrive will be provided with labels as rapidly as they are placed in the cases.

"Visitors' Guides," with photographic views of the different Halls, have just been issued.

The rapid growth of the Economic Department, particularly that portion illustrating the forestry of the United States, has necessitated the construction of a large glass case, in two sections, extending along the middle of the Lower Hall; and the Wolfe collection of shells, now on that floor, will be moved to the Upper Hall where they will be better and more satisfactorily placed, in connection with their allied fossil forms.

The grand effect of our exhibition halls may be somewhat impaired by an overcrowding of cases upon their floors when all the additions to our collections are received, but it will illustrate the imperative necessity for an immediate application to the City for the erection of another wing, of the same form and dimensions as the one now occupied. If such an additional structure were begun at once, it is thought more specimens would be gathered, at the present rate of growth, by the time such building would be completed, than it could properly display.

In the collection of Birds, in the Main Hall, the transferring from stands of various forms and materials to a uniform series of mahogany has been completed, and the Birds of North America have been labeled.

In the Gallery, the costly dresses, implements, carvings and other specimens illustrating the ethnology of British Columbia, which were gathered during 1881, by Dr. J. W. Powell, Superin-

tendent of Indian Affairs in that province, at the expense of Mr. H. R. Bishop, have been placed on exhibition. Another supplementary series, collected during the past summer, has been shipped from San Francisco, and a great war canoe, sixty-two and a half feet long and over eight feet beam, is now on its way on a steamer of the Pacific Mail Company, who, with the Panama Railroad Company, are bringing it to us without expense.

In the Geological Hall the labeling of the collections has been steadily progressing. The Geological sections illustrated by specimens of rock from New Hampshire and Vermont, purchased from Prof. C. H. Hitchcock, have been partially placed on exhibition in case S, and the relief map of New Hampshire has been finished by means generously given by a friend of the institution.

In the Mineralogical Department the labeling has been progressing satisfactorily.

In the Lecture Department the instruction given by the Superintendent has proved very attractive; the Lecture Hall at times has been overcrowded and made thereby uncomfortable. A course of twenty lectures upon Zoölogy was begun last fall, ten to be delivered last autumn and ten this spring. The last series began with an attendance of 101 and ended with 154.

The great importance and value of this instruction is shown by the following extract from the Report of the City Superintendent of Public Schools to the Board of Education:

"*City Supt's Office*, BOARD OF EDUCATION,
No. 146 Grand Street,

NEW YORK, February 12th, 1883.

MY DEAR SIR:

The following is an extract from my annual report for the year 1882, which will soon be ready for publication:

"It seems proper to state that the lectures delivered by Prof. ALBERT S. BICKMORE, at the Museum of Natural History, have been productive of very good results in this department of study. These lectures, introduced about three years ago, as an experiment, have so grown in attractiveness and utility, that the class of thirty-five teachers has become one hundred and fifty, representing every Grammar Department

in the system, and irregularity in attendance has almost disappeared. The Museum of Natural History thus, through the teachers, reaches the pupils of our schools, and through the latter making itself felt in in nearly every household of our great city, is demonstrating its usefulness to the community at large. To MORRIS K. JESUP, Esq., Chairman of the Committee in charge of the Museum, and to the other members of the Committee, great credit is due for the commendable public spirit which they have displayed in this matter from the very beginning, and to Prof. BICKMORE, who has so ably interpreted and carried out the Committee's views, the thanks of the teachers are due for the patience, ability and kindness he has shown."

Very truly,

JOHN JASPER,

MORRIS K. JESUP, Esq. *City Superintendent.*"

In the Library the Jay and Brevoort catalogues have been identified during the past year, and cards written for all the books and pamphlets. These cards are arranged under subjects so that the student can ascertain at a glance what the Library contains upon the subject he is investigating. Lists have also been made of the volumes needed to complete the works on conchology and general zoölogy. Nine hundred and fifty volumes and seven hundred and fifty pamphlets have been received, mostly from the national and state governments upon application by the librarian. A detailed list of these accessions is given in the appendix. A unique and very valuable series of about 350 quarto volumes of voyages and travels has been deposited by Mr. H. J. Jewett.

Bulletin No. 2, upon Conchology, and No. 3, upon Palæontology, have been issued and three hundred copies distributed to the leading societies, libraries and scientific men.

The Trustees, as a Board and as individuals have been called to mourn the loss of Mr. ROBERT L. STUART, whose name has been associated with the Museum from its earliest inception, and who was for nine years its President. The minute entered on the records of the Board of Trustees, expressing a sense of the loss the institution has sustained, and the generous and noble character of its late President, are appended to this report.

To meet the payment for the specimens purchased of Professor Ward, and to provide for necessary cases, and for other improvements that are imperatively needed, the sum of $14,000 must be raised. To properly maintain the collections of the Museum requires about $25,000, of which $15,000 is provided by the City. The Trustees are anxious that the balance of $10,000 shall be made up by members paying $10 yearly, so that all sums of $100 and more that may be given may be reserved for the purchase of new specimens.

The privileges of Patrons, Fellows and Members will be found in the By-Laws.

The Museum, to fully occupy its continually widening field of usefulness, demands two things: first, provision by the City for the erection of another wing; and secondly, an endowment, the interest of which shall be sufficient to develop the present admirable nucleus into a museum commensurate with the prospective greatness of our nation ; and the Trustees hereby respectfully appeal to all our public spirited citizens to join them in commencing such an endowment by raising, by subscription, a sum not less than $300,000.

Dr. *The* **American Museum of Natural History** *in account with* J. PIERPONT MORGAN, TREAS. **Cr.**

1882.		
	Salaries	$12,690 00
	Labor	4,460 75
	Coal and Supplies	1,700 59
	Altering Cases and Repairs on Building	978 11
	Printing and Stationery	299 39
	Postage, Expressage and Car Fare	301 63
	Traveling Expenses and Advertising	233 78
	Insurance on Collections at Arsenal	58 62
	Publishing Bulletin and Annual Report	1,165 00
	Improvements on the Collections	778 93
	Birds and Minerals Purchased	572 25
	Books Purchased	179 27
	Labels and Lecture Tickets Printed	225 69
	Balance carried to 1883 Account	627 93
		$24,271 94

1882.		
January 1st.	By Balance from 1881 Account	$4,968 45
	By Cash from Frederick Billings	500 00
	" E. K. Willard	100 00
	" Isidor Straus	100 00
	" Jacob Schiff	100 00
	" E. J. Donnell	100 00
	" Edward Winslow	100 00
	" W. D. Nichols	100 00
	" James Terry	100 00
	" The Sale of Guides	12 00
	From the Department of Public Parks and Annual Members	18,091 49
		$24,271 94

Examined and approved { PERCY R. PYNE, CHARLES LANIER, } *Auditing Committee.*

[E. & O. E.] NEW YORK, *February 7th*, 1883.

J. PIERPONT MORGAN, *Treasurer.*

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.

The Officers of the said Corporation shall be a President, a First and Second Vice-President, a Secretary and a Treasurer, an Executive Committee, an Auditing Committee and a Finance Committee, all to be elected from the Trustees. All these Officers shall hold their offices for one year, and until their successors shall be elected.

The election of Officers shall be by ballot, and the persons having a majority of the votes cast, shall be deemed duly elected.

ARTICLE V.

The President, and in his absence, the First or Second Vice-President, shall preside at all the meetings of the Museum and of the Trustees.

The Secretary shall keep a record of the proceedings of the Trustees, of the Executive Committee and of the Auditing Committee, and shall preserve the seal, archives and correspondence of the Museum, shall issue notices for all the meetings of the Trustees, and attend the same.

The Treasurer shall receive and disburse the funds of the Museum. He shall keep the accounts of the Museum in books belonging to it, which shall be at all times open to the inspection of the Trustees. 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.

ARTICLE VI.

The Executive Committee shall consist of seven, of whom the President and Secretary shall be two. They shall have the con-

trol 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.

ARTICLE VII.

The Auditing Committee shall consist of three, and it shall be their duty to examine and certify all bills presented against the Corporation; and no bills shall be paid unless first approved in writing by at least two members of this Committee.

ARTICLE VIII.

The Finance Committee shall consist of three, including the Treasurer, and 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.

ARTICLE IX.

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 X.

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.

Such By-Laws, when once adopted, 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 XI.

The contribution of $1000 or more to the funds of the Museum,

at 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 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, 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 XII.

No alterations shall be made in this Constitution, unless at a regular quarterly meeting of the Trustees; nor by the votes of less than two-thirds 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 1 Subscriber's Ticket, 5 Complimentary Season Tickets and 10 Tickets for a single admission.

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

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

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

[NOTE.—A Subscriber's Ticket admits two persons to the Museum every day except Sunday, and to all Receptions and Special exhibitions, and may be used by any member of the Subscriber's family.

The Single Admission Tickets admit the bearers to the Museum on reserved 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 shall (except for current expenses) be incurred by the Trustees of the Museum, nor by any of its Committees, Officers or employés, unless there are at the time sufficient moneys in the Treasury to pay the same.

DONATIONS—1882.

LIBRARY.

PROF. N. H. WINCHELL, State Geologist of Minnesota, Minneapolis.
Annual Report, 4th, 5th, 6th, 7th, 8th, 9th. 1876–1881.
Preliminary Report on the Building Stones, etc., of Minn. 1880.

PROF. A. S. BICKMORE, N. Y.
66 Miscellaneous Pamphlets.
Maps of Japan and Bermuda.
Manual of the Legislature of the State of N. Y. 1869, '72, '75.
Nouveau Testamet. 1860.
Nuevo Testameto. 1863.
Nouveaux Dictionnaires Parallèles des langues Russe, Francaise, Allemande et Anglaise. By C. P. Reiff.

PROF. JAMES HALL, Albany, N. Y.
Report of the Regents on the Condition of the State Cabinet, 9th, 13th. Part 18th.

PROF. W. C. KERR, State Geologist of North Carolina, Raleigh.
Geology of North Carolina. Vol. 1. 1875.
N. C. Geological Survey, Agriculture.—Emmons. 1858.
Geological and Natural History Survey of N. C. Part III. 1867.
The Minerals and Mineral Localities of N. C. 1881.
Physiographical Description of North Carolina. 1882.

ISAAC LEA (the author), Philadelphia, Pa.
"Further Notes on 'Inclusions' in Gems." 1876.
A Catalogue of the Published Works of Isaac Lea. 1817–76.
Rectification of T. A. Conrad's "Synopsis of the Family of Näiades of N. A." 1872.

WALTER FAXON (the author), Cambridge, Mass.
"Bibliography, Crustacea." (Bull. Mus. Comp. Zool. IX. 6.)

PROF. B. SMITH LYMAN, Northampton, Mass.
Report on the Geology of Yesso. 1877.
Report of Progress for 1878 and 1879.

DR. C. A. WHITE, Washington, D. C.
"Supplement to the Bibliograph of N. A. Invertebrate Palæontology.
"Preliminary Report upon Invertebrate Fossils."

PROF. E. D. COPE, Phila., Pa.
"Report upon Vertebrate Fossils discovered in New Mexico."

PROF. J. D. DANA (the author), New Haven, Conn.
Four Pamphlets.

PROF. T. C. CHAMBERLIN, State Geologist, Beloit, Wis.
Annual Report. 1877, 1878.

F. V. HOPKINS, M. D., East Lake, Cal.
"Report on the Reclamation of the alluvial Basin of the Mississippi River."

WM. M. HUDSON, Commissioner, Hartford, Conn.
Reports of the Fish Commissioners, 8th, 9th, 13th, 15th, 16th. 1874–81.

DR. J. S. BAILEY, Albany, N. Y.
"Trismus Nascentium." (2 copies; the author.)
"History of Ægeria pictipes, G. & R." (The author.)
"History of Cossus centerensis." (The author.)
Transactions of the Medical Society of Albany Co. Vol. II. 1851–70.

E. M. STILWELL, Commissioner, Bangor, Me.
Reports of the Commissioner of Fisheries, Me., 1st–15th. 1869–81.

T. W. POWELL, Esq. (the author), through ANEURIN JONES, Supt. Dept. P. P.
The History of the Ancient Britons.

JAS. M. CONSTABLE, Esq., New York. Through the Lecture Department.
"Auroræ and their Spectra."

T. B. FERGUSON, Commissioner, Washington, D. C.
Reports of the Commissioners of Fisheries, Md., 1st, 2d, 4th, 6th. 1876–81.

R. G. PIKE, Commissioner, Middletown, Conn.
Report of the Commissioners of Fisheries, Conn., 7th and 14th.

W. H. ROGERS, Halifax, N. S.
Supplement No. 2, 14th Annual Report, Dept. of Marine Fisheries of Canada.

THEODORE LYMAN, Commissioner, Brookline, Mass.
Reports of the Commissioners on Inland Fisheries, 5th, 11th, 14th, 16th.

R. L. JACK, Townsville, Queensland.
"Report on Explorations in Cape York Peninsula." 1879–80, 81.

R. O. SWEENY, Pres. Fish Commission, St. Paul, Minn.
Annual Reports, 1st–7th. 1875–81.

B. B. REDDING, Commissioner, San Francisco, Cal.
Reports of the Commissioners of Fisheries, Cal. 1870–71, 1876–77, 1878, '79, '80.

C. F. GISSLER (the author), N. Y.
12 Pamphlets on "Crustacea."

C. A. LIESEGANG, New York.
Natuurlijke Historie van den St. Petersberg. 1802.

H. B. WOODWARD, London, Eng.
"A Memoir of Dr. S. P. Woodward. On Emys Lutaria from the Norfolk Coast."

PROF. WALDEMAR KOWALEWSKY (the author), Moscow.
"Osteologie des Genus Enteloden Aym."

ALEX. C. ANDERSON, Inspector of Fisheries, Victoria, B. C.
Report. 1881.

F. W. PUTNAM, Esq. (the author), Cambridge, Mass.
"Sketch of Hon. L. H. Morgan."

R. U. SHERMAN, Commissioner, New Hartford, N. Y.
Reports of the Commissioners of Fisheries, State of New York. 1869–1881.

FRANK RUTLEY, Esq. (the author), London, Eng.
"Microscopic Structure of Devitrified Rocks from Beddgelert and Snowden."
"The Microscopic Characters of the Vitreous Rocks of Montana, U. S. A."

PROF. J. A. LINTNER (the author), Albany, N. Y.
"A New Principle in Protection from Insect Attack."
"The Insects of the Clover Plant."

A. S. PACKARD, Jr. (the author).
"On the Homologies of the Crustacean Limb."

PROF. G. H. PERKINS (the author), Burlington, Vt.
"General Catalogue of the Flora of Vermont."
"Injurious Insects of Vermont."
"The Molluscan Fauna of New Haven."
"On Certain Injurious Insects."
"More Important Parasites of the Higher Animals."
"On Some Fragments of Pottery from Vermont."
"Remarks upon the Archæology of Vermont."
"On the Osteology of Sciuropterus Volucella."
"Archæology of the Champlain Valley."

PROF. JULES MARCOU (the author), Cambridge, Mass
Geology of North America. 1858.
"Reply to the Criticisms of James D. Dana."
"Relatif à la classification des chaines de montagnes d'une partie l'Amerique du Nord."

PROF. J. L. LE CONTE (the author), Berkely, Cal.
"Metalliferous Vein-formation at Sulphur Bank, Cal."

PROF. C. ROMINGER, State Geologist, Ann Arbor, Mich.
Geological Survey of Michigan. Vol. IV. 1878–80.

HON. TIMOTHY O. HOWE, Postmaster-General, Washington, D. C.
U. S. Postal Guide. 1882.

GIFFORD PINCHOT, Esq., New York.
"Brehms Thierleben." 10 vols.

DR. A. RENARD (the author), Brussels, Belg.
"Description lithologique des Récifs de St. Paul."
"Les Roches grénatiferes et amphiboliques de la région de Bastogne."

PROF. T. RUPERT JONES, London, Eng.
"Notes on the Palœozoic Bivalved Entomostraca."
"Notice of the Geology of Wisconsin."

W. W. MEECH (the author), Vineland, N. J.
"Lectures on the Spider."

WM. BEUTTENMÜLLER, Esq., New York.
"Contagious Diseases of Domestic Animals." 1880–81.
U. S. Department of Agriculture, Special Reports, Nos. 33, 41.

JED. HOTCHKISS, Editor and Publisher, Staunton, Va.
"The Virginias," a Mining and Scientific Journal. Vols. II, III. 1881, 1882.

CHAS. E. WRIGHT, Marquette, L. S., Mich.
Commissioner of Mineral Statistics, Annual Report. 1877-8, 1879, 1880, 1881.

GEORGE N. LAWRENCE, Esq. (the author), New York.
8 Pamphlets, "Ornithology," Descriptions of New Species, etc.

L. P. GRATACAP, Esq., N. Y.
Jour. of Comparative Medicine and Surgery. Vol. II. 2. III. 1.

F. B. HOUGH, Esq., Lowville, N. Y.
Report on Forestry. Vol. II. 1880.

F. PRIME, Jr., Philadelphia, Pa.
"Catalogue of Official Geological Reports."

DR. OTTO HAHN (the author), Wurtemburg.
"Giebt es ein Eozoon Canadense? eine mikrogeologische untersuchung."
"Giebt es ein Eozoon Canadense? Erwiderung auf Gümbels und Carpenter."
"Bericht über zwei Galler meteoriteoritenfälle."

"Eophyllum Canadense aus dem serpentinkalk de Laurentian Gneisses von Canada."

PROF. R. P. WHITFIELD, New York.
"Descriptions of New Species of Fossils from Ohio."

PROF. M. G. DEWALQUE, Brussels, Belg.
"Sur l'origine des Calcaires Devoniens de la Belgique."

DR. H. B. GEINITZ, Dresden.
Fürhrer durch das K. Mineralogisch-geologische Museum in Dresden. 1879.

G. C. BROADHEAD, State Geologist, Pleasant Hill, Mo.
Report of the Geol. Survey of the State of Missouri.
Vol. I. Field Work of 1873–74, with Atlas.
"The Carboniferous Rocks of Southeast Kansas." (The author).

PROF. J. M. SAFFORD, State Geologist, Nashville, Tenn.
Geology of Tennessee. 1869.
Report Tennessee State Board of Health. 1877–78.

ANTONIO DE GREGORIO, Palermo.
"Fauna di S. Giovanni Ilarione."

C. E. COFFIN, Esq., N. Y.
Report of the Chief of Engineers. 1871, 1872, 1873.
"Reconnaissance in the Ute Country."—Ruffner.
Vick's Floral Guide.
State Engineer's Report on Railroads. 1865.
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Preston, William I.
Prime, Frederick
Prince, J. D.
Purdy, Wm. Macneven
Purssell, James
Pyne, Percy R.
Ramsay, C. G.
Raynolds, C. T.
Read, Miss
Renwick, W. R.
Riker, D. S.
Riker, John L.
Riker, Wm. J.
Robbins, George A.
Robertson, R. A.
Roelker, Bernard
Rogers, John
Russell, Charles H.
Russell, Henry E.
Rütten, August
Rutter, Thomas
Sabine, G. A., M. D.
Sage, Russell
Sands, Andrew H.
Sands, Samuel S.
Satterlee, S. K.
Sayre, Lewis A., M. D.
Schafer, Samuel M.
Schafer, Simon
Schley, William
Schuchardt, Frederick
Schuyler, George L.
Schuyler, Philip.
Schwendler, Fred.
Scott, George S.
Scott, Mrs. James
Seligman, David J.
Shea, Hon. George
Sheafe, J. F.
Shethar, Samuel
Sinclair, John
Sistare, Geo. K.
Skidmore, William L.
Slawson, J. B.
Sloan, Hon. Samuel
Sloane, Wm. D.
Slocovich, G.
Smedberg, A.
Smith, Charles S.
Smith, Edward F.
Smith, H. Erskine
Smith, L. Bayard
Smith, Jas. Rufus
Smith, Roswell
Smith, Rev. Cornelius B.
Smith, William Alex.
Smith, William Henry
Soutter, Mrs. J. F.
Speir, Hon. Gilbert M.
Spies, A. W.
Spencer, Hon. James C.
Starin, Hon. John H.
Stearns, John Noble
Sterling, A. F.
Sterry, Geo. E.
Stewart, David
Stewart, Mrs. Lispenard
Stone, David M.
Strahan, John H.
Strong, Chas. E.
Strong, George A.
Strong, W. L.

Sturgis, Appleton
Stuyvesant, A. V. H.
Sutherland, John
Sutherland, John L.
Suydam, D. Lydig
Swan, William H.
Tailor, Edward N.
Taintor, Charles M.
Talcott, James
Tappan, Hon. J. Nelson
Taylor, Aug. C.
Tefft, E. T.
Terbell, H. S.
Thompson, S. C.
Thompson, W. Prall
Thomson, James
Thorn, William K.
Thorp, Andrew S.
Thurber, F. B.
Thurber, H. K.
Tiemann, Peter C.
Tillinghast, W. H.
Tobias, Samuel I.
Toucey, J. M.
Tousey, Sinclair
Townsend, R. W.
Tracy, Charles
Trevor, H. G.
Trevor, John B.
Trevor, Mrs. John B.
Twombly, H. McK.
Valentine, Lawson
Van Nostrand, David
Vermilye, J. D.
Viele, Gen. Egbert L.
Von Post, Herman C.
Waite, Hon. C. B.
Wales, Hon. Salem H.
Wall, Michael W.
Wallach, Antony
Ward, Mrs. M. H.
Watson, John H.
Weatherbee, Mrs. E. H.
Webb, Gen. Alex. S.
Webster, Sidney
Weekes, John A.
Weeks, Francis H.
Wenman, Hon. James F.
Wetherbee, Gardner
Wheelock, Geo. G., M. D.
Wheelock, Wm. A.
Wheelock, Dr. W. E.
White, Horace
Whitney, Alfred R.
Wickham, Hon. W. H.
Wiechers, W. A.
Williamson, Hon. D. B.
Wilson, John
Winston, F. S.
Winthrop, Robert
Worsham, Mrs. D. B.
Wright, Wm. Woolsey
Young, Mason

In Memoriam.

At a Special Meeting of the BOARD OF TRUSTEES of the AMERICAN MUSEUM OF NATURAL HISTORY, held December 14th, 1882, the following resolutions in regard to the death of

Mr. ROBERT L. STUART,

were unanimously adopted and ordered to be entered upon the record.

By the death of Mr. ROBERT L. STUART another of the founders of the Museum of Natural History, in Central Park, has passed away. It is therefore

RESOLVED, That in view of the loss of one who has proved himself so strong and reliable a friend of its interests, it becomes this Board to recognize the event with appropriate expressions of its unfeigned sorrow.

Mr. STUART was elected to the office of President of the Board upon the decease of Mr. John D. Wolfe, and retired from the position on account of failing health, to the great regret of the whole Board.

Mr. STUART had a large share in the promotion of the prosperity of the Museum from its origin. Although a man of active business habits and without the possession of extensive scientific acquirements, he was by no means destitute of considerable knowledge of classification in some very interesting departments, and there was also that in his mental and moral constitution, which found its appropriate exercise in an undertaking so large in its plan and so entirely designed for the public gratification and improvement. His contributions to its cabinets and treasury were worthy of his reputation and character as a public benefactor; but, while we cannot speak too highly of him in the relations he sustained to this Board, we ought not to lose sight of the man as he was, the space he filled and the work he wrought. His life touched so largely and at so many points the benevolent enterprises of the day, that in the best sense he might be regarded as a public man.

Were we able, it would be an agreeable task to recite his great and manifold benefactions, public and private. His large-hearted bounty flowed in a perpetual stream.

The world has grown since Mr. STUART came upon the stage of action, and in some of its aspects Mr. STUART has come up to the full measure of its growth

Dark as may be some of the portents of our time, their grand characteristic, in permanent power, is yet to be found in the force and development of moral ideas. There have been long ages in the world's history in which the law of charity was almost unknown. It is a vital force among men to-day, and it flourishes by the aid of striking examples as well as by the influence of high and pure precept. There is nothing better on the earth, and in all its varied manifestations it is destined to mould society and to become the living bond to bind the world together.

It was the happy and peculiar condition of Mr. STUART's life to exemplify among us one of its phases in a manner as useful to the community as it was rare and exceptional in extent.

Although the architect of his own fortune, and occupied by the cares of a great and engrossing business, a man of sagacity, understanding well the value and power of money, he escaped its almost universal contagion and, though living in a day characterized by the temptations and opportunities of inordinate accumulation, through the force of a liberal and generous spirit he became one of the early pioneers among us in the gracious and noble art of great giving.

Here, there is no mistaking the position he occupied in this community. He was loyal to the cause of humanity and a conspicuous example of that which by common consent entitles the memory of men to a place of high honor.

Possessing a decided christian faith, and loving the tried paths of integrity, he regarded with stern disapproval the modern legerdemain of the markets by which one takes but does not give.

Mr. STUART presented in his life another pleasing and softening aspect of character. He took a singular satisfaction in all things beautiful--in fine volumes, in flowers, birds and shells, and in objects curious and rare. He loved the arts by which men live and by their taste and plastic skill make our homes more beautiful to the eye and to the mind.

Life presented to Mr. STUART many rational sources of enjoyment as well as a wide field of usefulness, and in his death a figure to which we have been long accustomed, of large proportions and remarkable qualities, has gone out of some of the best circles of influence at this great metropolitan centre.