



FA 2814

SEVENTEENTH ANNUAL REPORT

OF THE

BOARD OF TRUSTEES

OF THE

PUBLIC MUSEUM

OF THE

CITY OF MILWAUKEE.

SEPTEMBER 1ST, 1898, TO AUGUST 31ST, 1899.

OCTOBER 1ST, 1899.

R-3768

MILWAUKEE:
THE EDW. KEOGH PRESS, 347-349 BROADWAY.
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MUSEUM-LIBRARY BUILDING.
After a Photograph by Mr. John A. Brandon.

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BOARD OF TRUSTEES.

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EDWARD W. WINDFELDER, - - - Term expires May, 1903.
CHAS. L. KIEWERT, - - - Term expires May, 1902.
ADOLPH MEINECKE, - - - Term expires May, 1901.
EDWIN W. BARTLETT, - - - Term expires May, 1900.

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HENRY SMITH, - - - Term expires May, 1900.
GEO. THUERING, - - - Term expires May, 1900.
WM. MURPHY, - - - Term expires May, 1900.

EX-OFFICIO.

H. O. R. SIEFERT, Sup't of Schools, - - Term expires May, 1901.
B. F. ZINN, Pres't School Board, - - Term expires May, 1900.

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EDWIN W. BARTLETT, President.
H. NEHRLING, Secretary, *Ex-Officio*.

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EDWIN W. BARTLETT, *Ex-Officio*.

HONORARY CURATORS.

AUGUST STIRN, - - - - - Ornithology.
CARL HAGENBECK, Hamburg, Germany, - - - - Zoölogy.
DR. S. GRAENICHER, - - - - Ichthyology and Herpetology.
ADOLPH MEINECKE, - - - - - At-Large.
CHAS. E. MONROE, - - - - - Palæontology.

MUSEUM SERVICE.

HENRY NEHRLING, - - - - - Custodian and Secretary.
CARL THAL, - - - - - Assistant Secretary.
GEO. SHROSBREE, - - - - - Taxidermist.
PAUL C. ROHDE, - - - - - Assistant Taxidermist.
FRED. RAUTERBERG, - - - - - Entomologist.
LYDIA NEHRLING, - - - - - Attendant.
CHAS. E. BROWN, - - - - - Attendant.
PAUL H. DERNEHL, - - - - - Attendant.
OLIVE C. WHEELER, - - - - - Attendant.
HERBERT CLOWES, - - - - - Landscape Molder.
ABRAHAM WOLFENDEN, JR., - - - - - Janitor.

REPORT OF THE PRESIDENT.

To the Honorable the Common Council of Milwaukee:

GENTLEMEN—The Board of Trustees of the Public Museum, in accordance with Section 8, Chapter 328 of the laws of 1882, presents herewith its annual report, as required by law.

The Museum contains the following specimens:

146,332 Zoölogical specimens, valued at.....	\$42,143 83
3,040 Birds' eggs and nests, valued at.....	10,029 30
17,144 Botanical specimens, valued at.....	1,120 25
4,349 Ethnological specimens, valued at.....	6,715 70
16,156 Archæological specimens, valued at.....	7,559 70
12,694 Palæontological specimens, valued at.....	5,916 85
5,096 Mineralogical and lithological specimens, valued at	5,405 49
8,826 Books, pamphlets, catalogues, atlases, charts.....	8,639 17
Furniture, tools, jars, vessels, conservation sup- plies.....	41,977 32
Upham collection, held in trust.....	350 00
	\$129,857 61

Number of visitors since reopening the Museum, 121,809.

The insurance is \$109,450.

The financial statement of the Board is as follows:

Balance in Museum fund, September 1, 1898.....	\$9,980 38
Refunded from various sources.....	84 23
Appropriation to Museum fund, January 1, 1899.....	21,032 77
From joint building fund.....	1,000 00
Total.....	\$32,097 38
Total expenditures during last year.....	18,381 84

Leaving a balance on September 1, 1899, of..... \$13,715 54

On January 23, 1899, the new building was opened with appropriate ceremonies. After a few remarks by the President, the Mayor, Hon. David S. Rose, accepted the new build-

ing and furniture for the city, and in turn in a very felicitous speech gave it over to the custody of the Board of Trustees for future care and maintenance.

As may be observed from the Custodian's report, the number of visitors has increased very much, 121,809 in seven months.

On March 13th the bronze bust of our distinguished citizen and naturalist, the late Increase A. Lapham, was unveiled by Miss Laura Lapham, a granddaughter of the late Prof. Lapham, in the lower hall, before an appreciative audience that filled the room to overflowing. This work of art was made and presented to the Museum by our fellow-townsmen, Mr. John Marr. Hon. John Johnston gave an interesting and extended account of the struggles, labors and discoveries of Prof. Lapham, and Winfield Smith, Esq., and Hon. Henry Smith and others narrated interesting incidents of their acquaintance with the Professor.

During this year the Board of Trustees has labored to put as much of the Museum property on exhibition as possible. It owns hundreds of specimens that were stored away in the old Museum that should be mounted and exhibited. This work has progressed to a good degree, and in consequence of this increase in labor and care the number of persons employed in Museum work has increased from seven to eleven, and our fixed expenses have increased in the same proportion. An attempt is being made to classify the collection and label the specimens anew and make them more entertaining and instructive to the public. The attendants have been supplied with badges, and have been instructed to give information freely to all who have desired it. Thanks are due to all the employes of the Museum for their courtesy to the public and care of the collections.

Your attention is particularly directed to the annual report of Mr. H. Nehrling, the Custodian of the Museum, for further particulars.

Respectfully submitted,

EDWIN W. BARTLETT.

REPORT OF THE CUSTODIAN.

MILWAUKEE, September 30, 1899.

To the Board of Trustees of the Public Museum of the City of Milwaukee:

GENTLEMEN—In compliance with Article VI of your Rules and Regulations, I have the honor of submitting to you my ninth annual report, being the seventeenth since the foundation of the Public Museum.

When placing my last report before you all the collections of the Museum were in rather a chaotic condition. None of the new cases being ready when the Museum was moved into its new quarters, the specimens were deposited anywhere on the floor where room could be found. Masons, carpenters, steam-fitters, electricians, plumbers and other workmen were daily engaged in the building until we opened in January. None of the many doors could be locked during the first three months. A constant vigilance on the part of the Museum employes had to be exercised in order to protect the many thousands of objects from breakage and dust and from mutilation by visitors, who could not always be kept out of the building. Most of the bright colored birds, many of the smaller mammals, the corals and shells and the glass models were temporarily placed in the old bird cases on the second floor. As there were no shades on the windows, these cases were covered with muslin in order to protect the bright colors of the specimens from the sun.

The work of arranging the exhibition collections began on the third floor. Early in October of the past year the first lot

of new cases—twenty-eight mineral cases—were delivered and placed in position by the Wollaeger Manufacturing Company. Although these were not provided with glass, the work of classifying and arranging the many thousands of mineralogical and lithological specimens began at once. Before this was done they had been thoroughly cleaned by Mr. H. L. Preston, of Ward's Natural Science Establishment of Rochester, N. Y., who had been specially engaged as an expert by the Board of Trustees to help us install the Museum. In order to make the display as beautiful and instructive as possible, these cases were provided with 'step shelves made after my own design. After the cases were filled with specimens, they were covered with muslin to keep out dust until the glass could be put in.

In our old quarters we had five cases of minerals on exhibition, while at present we have twenty-four. Several of these new cases were used for the magnificent collection of copper and other minerals loaned by the Imperial German Consul, Mr. Moritz von Baumbach. A few wall cases had also to be used for minerals and rocks. One containing erosions is particularly interesting. Two small cases, expressly made for this purpose, contain our collection of meteorites and the large and valuable meteorite donated by Mr. William Kieckhefer.

The mineralogical collection occupies the entire south side of the large hall on the third floor. North of this department the palæontological specimens are displayed. Four of our new mineral cases were set aside by me to be used by our honorary curator of palæontology, Mr. Charles E. Monroe, who so generously donated his large collection of fossils of the Devonian age to the Museum. Mr. Monroe did all the classifying, arranging and labeling himself, spending many hours of hard and tedious work in the Museum. Six old mineral cases, though rather impractical and not at all in harmony with the new furniture, had to be put up again in order to gain room for the exhibition of our palæontological material. All the heavy fossils and casts of fossils were placed in the wall cases or on top

of them. Other large casts were fastened to the walls. Several old bird cases were provided with partitions and shelves so that they also could be used for the display of palæontological objects. The entire east side of this floor, including the wall cases, is occupied by the fossils.

There being no other place available, the large casts of *Dinotherium giganteum* and *Elephas ganesa* were put in the center of the hall. These casts rest on a platform and are surrounded by brass railings. Here we also find the two mummies, which are always interesting to visitors. In the center of the hall, between the pillars, the sixteen "sliding screen cases," containing archæological and anthropological specimens, have been placed. These cases are arranged in such a way that the drawers can be taken out and replaced by others. In this way we are able to constantly change the display. Between the sliding screen cases and the fossil cases ten "small Kensington cases" have been put up, containing the ancient pottery taken from mounds by Mr. C. W. Riggs, mostly in Poinsett County, Arkansas. This collection was bought at the World's Columbian Exposition at Chicago in 1893. A number of our old flat table cases also have been used for the display of prehistoric specimens.

On the west side of the hall are six old table cases containing collections of European prehistoric specimens, also a valuable loan collection of archæological material collected by Mr. Carl Doerflinger in Switzerland and France.

Ten old bird cases provided with partitions and ten old wall cases were used for ethnological specimens and war relics, mostly from the Civil war. The collection of guns, pistols, swords, etc., is a very extensive one. Eighteen of the new wall cases on the west side of the hall are filled with dress, ornaments, weapons and implements of modern Indians. Several cases of lamps, tankards, instruments, etc., largely from Germany, form the nucleus of a collection to illustrate European technology. Several cases contain the highly interesting

specimens of ethnology collected by Mr. Carl Miller on the Gold Coast of Africa, while other cases contain similar collections donated by Mr. Roundseville Wildman. Still another case is filled with ethnological specimens from China, Japan and India, collected and donated by Mr. Charles L. Kiewert. Miss Elizabeth Plankinton displays a valuable collection of musical instruments from Corea, Japan, etc. The double case in the northwest corner of the hall contains the fine collection of Indian relics brought together by the late Major J. J. Upham, while officer in the United States Army, on several of the Indian reservations in the west.

Five flat table cases are filled with a large and interesting collection of shoes of all nations, donated by the F. Mayer Boot & Shoe Company, brought together by Mr. George P. Mayer, the senior member of the firm, with great trouble and expense. This collection was on exhibition at the World's Columbian Exposition in Chicago in 1893, where it attracted much attention.

Two common show cases are filled with old books, manuscripts, autographs, letters, etc. For this very interesting collection large and better cases should be provided.

One of the old bird cases put up lately contains the fine collection of mechanical drawings and instruments made and donated by Mr. Carl Grexa.

The third floor is already crowded in such a way that scarcely another case can be placed conveniently. Many fine specimens have not yet been exhibited for want of room.

Adjoining the large hall there are two fine rooms 24x42 feet. One of them is accessible directly from the exhibition hall and is used as a laboratory and store room. Here also the Cambridge tin cases, containing the study collection of birds, are placed.

The other room, only accessible from the corridor, is used as a lecture room by the Wisconsin Natural History Society.

The following is a resumé of the contents of the third floor: Anthropology, Ethnology, Archæology, Palæontology, Mineralogy and Lithology.

The following cases have been placed:

- 33 new wall cases.
- 28 new mineral cases.
- 10 new "small Kensington cases."
- 2 small cases containing meteorites.
- 6 old mineral cases.
- 9 flat table cases.
- 7 sloping table cases.
- 2 common show cases, used for old books, manuscripts, etc.
- 2 mummy cases.
- 16 old bird cases.
- 9 old narrow wall cases.

Total 124 cases.

For the accommodation of visitors four upholstered seats have been placed around as many pillars.

After most of the cases on the third floor had been put up and placed in position, the second floor was furnished. The size of this hall is the same as that of the one above it,—namely, 12,500 square feet. The wall cases were delivered and placed in position first; then the beautiful, large bird cases, thirty-two in number, arrived. Sixteen are placed on each side of the hall, outside of the pillars, those of the east side containing the exotic birds, and those of the west side our North American species. All of them have been personally arranged by me, the latter after the "Check-List of the American Ornithologists' Union," the former in accordance with the "Catalogue of Birds of the British Museum." The center of the hall is occupied by twenty "American cases," containing glass models, shells, sea-urchins, and the B. F. Goss collection of North American birds' eggs. Directly north of these we find two small "Kensington



cases" filled with birds of Paradise, and four sloping table cases which contain a collection of butterflies in Denton tablets, and a collection illustrating the habits and mimicry of insects. Two other cases of the same pattern have been used for our coin and old paper money collections. An "American case" which has just been put up in front of the butterfly cases will receive the fine collection of relics brought home from her journeys by Miss Elizabeth Plankinton.

Almost all the wall cases of the east side of the hall contain exotic birds, those of the south side crustaceans, lizards and snakes, those of the west side the Goldschmidt collection, illustrating the development of different animals, the fishes, etc. Most of these specimens have been prepared, identified and arranged by our honorary curator of ichthyology and herpetology, Dr. S. Graenicher.

The south side of this hall is occupied by eight "large Kensington cases" filled with corals, sponges, etc. Room has been left here for an old group case, which will be put up in the near future, and which has been designed to exhibit a group of condors.

The special room adjoining is the working room of our entomologist, Mr. Fred. Rauterberg. One small and four large insect cases are put up here, two of them entirely new. They are all provided with drawers of red cedar wood. The size of the drawers is $13\frac{1}{2} \times 17\frac{1}{2}$ inches, and there are 120 drawers in each of the large cases, while the small one contains 50 drawers. Mr. Rauterberg is constantly engaged in identifying, arranging and labeling insects.

In addition to the one old herbarium case, three new ones have been put up. With the exception of my re-arranging our American plants and interpolating quite a number of new specimens, nothing has been done in this department. Mr. Paul H. Dernehl will take charge of the herbarium as soon as he has arranged our American and foreign scientific pamphlets and periodicals.

The special room on the other side of the corridor will be used for the exhibition of our osteological specimens.

This floor contains all the animal forms, except the mammals.

The following cases have been put up:

- 32 large bird cases.
- 33 wall cases.
- 2 "small Kensington cases."
- 8 "large Kensington cases."
- 4 sloping insect exhibition cases.
- 21 American cases.

Total 99 cases.

The entomological room contains

- 4 herbarium cases.
- 5 insect cases.

The special room on the north side of the corridor contains four large old wall cases 16 feet long and 3 feet wide.

On entering the main floor from the large and beautiful vestibule, we first come upon a group of badgers. It consists of two old ones and two young, the latter looking out of the entrance of their burrow. The case which they occupy is an angular one, four of them forming a square. There are twelve angular cases, or three squares, all in one line. The three other cases in the first square contain bird skeletons and a fine male turkey mounted and presented to the Museum by Mr. Henry Denslow. The second square contains the muskrats, two old and two young ones; an old otter and two young ones; the skunk, two old and six young ones; the woodchuck, two old and two young and a meadow lark in the grass. These groups are very natural and impressive.

The third square of angular cases contains the puma (single specimen) and a very beautiful group of three pandas or wabs from high elevations of the Himalaya Mountains of Nepal. The other two cases contain a turkey buzzard with two young ones.

in the hollow of a tree stump and a pair of rhinoceros horn-bills. These birds have only been placed in these cases temporarily, their proper place being in the second floor.

Along the wall south of the angular cases, one of our old cases, 32 feet long and 5 feet wide, has been put up. It contains the Laplander group, consisting of a reindeer, a Laplander and his sled, and a snow scene. Skeletons of an Indian crocodile, a pilot whale and a boa constrictor have been placed in this case temporarily.

Between the two pillars, which are surrounded by seats, a "small Kensington case" shows a fine specimen of jaguar from Honduras. Directly north of it a large case 12x12 feet and 10 feet high shows our buffalo group, consisting of an old bull, a cow, a heifer and a calf. On the west side of the buffalos there are two cases, one containing a group of six porcupines, the other a group of black bears, three young ones and the mother. On the other side of the buffalos we find a group of foxes, five young and an old one, and a group of Virginia deer.

North of the buffalos a "small Kensington case," containing two young black bears, and a large group case 12x12 feet, 10 feet high, containing a collection of wapiti, moose, mule deer, etc., have been put up. West of this large case two smaller ones are filled with monkeys of different species, and east of it two cases corresponding in size with those on the opposite side are occupied, one by a fine specimen of a grizzly bear holding in his fore legs a mule deer, and the other by a pair of kinkajous, etc. The two platforms which now follow contain a reproduction of the giant turtle found in India, and a cast of the glyptodon. Both platforms are surrounded by brass railings. On the large platform in the center of the hall the head and tusks of *Mastodon giganteus*, the complete skeleton (in an upright position) of *Megatherium cuvieri*, the *Plesiosaurus cramptoni*, a whole figure of *Plesiosaurus* and *Ichthysaurus* are displayed. These are all casts. On the same platform there are also two manatees, one from Florida and the

other from British Guiana. Suspended from the ceiling we find the large skeleton of the hump-backed whale. This platform is also surrounded by a strong brass railing.

On each side of this platform four "large Kensington cases" are found, which contain the large Bengal tiger, the leopard, a number of lynxes, different species of foxes, ant-eaters, the puma, an old one and two young, seals, fruit-bats, etc. North of these "Kensington cases" two large group cases, which correspond in size with the one containing the buffalos, have been put up. They are temporarily used for such large mammals as the giraffe, the lions, mountain sheep, mountain goat, musk ox, etc. Between the two room has been found for our large walrus. In the center a double case displays on one side two flamingos and on the other side two ostriches. West of this case a snow scene shows the reindeer and the caribou, and on the other side a pair of kangaroos. Two small cases showing a group of prairie wolves, an old one and four young, and a small elephant, complete the furniture and displays in the hall proper. There is a large case containing an orang-outan group in the southwest corner of the hall. The wall cases on the west and north sides have been used for the systematic collection of small mammals, while those in the northeast corner and on the east side have been used for skeletons.

Directly above the cast of the glyptodon the giant squid is suspended from the ceiling, while the octopus is found suspended above the giant turtle. These models, which are of immense size, always attract a good deal of attention, and visitors find much to admire about them.

The following is a resumé of the cases on this floor:

- 4 large group cases, 12x12 feet, 10 feet high.
- 12 "angular cases."
- 1 double case.
- 1 large wall case.
- 2 "small Kensington cases."
- 8 "large Kensington cases."

- 8 medium sized group cases.
- 4 smaller group cases.
- 1 orang-outan case.
- 1 hawk case.
- 21 wall cases.

Total 63 cases.

This hall is 192 feet long and 58 feet wide. On this floor also the offices and the Museum library are located.

The exhibition space of the three floors is about 36,000 square feet, against 12,000 square feet in our old quarters. The total number of exhibition cases in the old Museum was 69, against 302 in the new building.

The cases on the first floor were the last that were put up. The work of cleaning, arranging and displaying the many thousands of specimens was done in the short space of four months. Of all the exhibitions, the mammal groups attract most attention, and the visitors derive from the study of them a great deal of satisfaction. Next, the birds are exceedingly interesting to most visitors, although we have scarcely begun group work on this line. The third floor is scarcely visited by half the people who come to the Museum. Although everybody admits that the exhibitions on this floor are very beautiful, a particular interest is only shown in the Indian collections and the archæological specimens. Scarcely ten out of a hundred visitors show a decided interest in the minerals and fossils, though there are quite a number of amateurs and students who diligently compare and study these departments.

Since the official opening of the Public Museum, which took place on January 23, 1899, 121,809 people have visited the institution. Strangers from all parts of the country and even from abroad, among them collectors, naturalists and practical museum men, have called on me in my office to express their surprise at the beauty of the cases and the variety and complete-



VIEW OF THE FIRST FLOOR.
From a Photograph by Mr. John A. Brandon.

ness of the collections. The building, they proclaim, is one of the finest of public buildings in the country.

The Sunday attendance has been very large, sometimes as many as 2,300 visitors having passed through the halls. One day during the time of the Carnival in June the attendance was enormous, over 10,000 people having visited the Museum.

The Museum friends who have frequently visited our old quarters can not understand where all the specimens now on exhibition were formerly kept. Though we have added only comparatively few specimens since we came into the new building, it is a fact that all the three floors are pretty well filled up, the third floor even being crowded. I have seen all the larger museums of this country, and I can sincerely say that as far as our halls and the new cases are concerned, there are none that are ahead of us. Prof. H. A. Ward, who is familiar with all the principal museums in the world, expressed his opinion in the following few words: "Your Museum is one of the handsomest I ever have met."

One not familiar with museum work can not imagine the immense amount of toil, trouble and the many disappointments I had to overcome in order to get the collections properly installed. My plans of the cases, of their arrangement in the different halls and of the specimens they should display, were all made in our old quarters. When the cases were delivered, however, many changes had to be made in order to make the exhibition more attractive and interesting. Groups which I had contemplated were not ready, and something else had to be substituted.

Though the Museum is not finished, and never will be finished, though there are many gaps and perhaps quite a number of mistakes in the names and the arrangement, according to the latest systematic nomenclature, the Board of Trustees, as well as the whole city, have every reason to be proud of the institution.

With the assistance of Mr. Charles E. Brown, I am now and have been for some time busily engaged in having every specimen properly and correctly labeled. This is an exceedingly slow and tedious work. For the large mammals and groups I am preparing special descriptive labels, which will be framed and fastened to the cases.

During the first few months in the new building it was often exceedingly difficult to keep a certain class of visitors from being disorderly. The children especially, who came into the Museum by the hundreds on Saturdays and Sundays, gave the attendants much trouble. In the old Museum children under fourteen years of age were not admitted unless accompanied by their parents or teachers. Conditions, however, have changed. The Public Library occupies the same building with us, and a special department for children has been opened there. In large numbers they come and get their books, or return them, a proceeding which only takes a few minutes. Then they come over to the Museum, often in noisy crowds. Though not in accordance with our rules, I have admitted them all, and I have invariably found that the conduct of the smaller children is more consistent with the quiet and orderly use of the Museum than that of those more advanced in years. In fact, children between fourteen and sixteen years of age are often kept in check with great difficulty, especially when they come in crowds. They have to be watched constantly. They are especially fond of sitting around on the soft and convenient seats and talking and laughing aloud, making it very difficult for us to make things run smoothly. A constant vigilance on the part of the employes, however, has resulted in making their behavior more orderly and quiet. As the attendance has been enormous since the opening of the Museum, the guarding of the large halls has not been an easy matter.

The cleaning of the Museum is of the greatest importance. The amount of floor space is two-thirds larger than in the old building, and the amount of glass in the cases more than twenty

times as large. In order to keep the institution as clean as possible, we only open the Museum in the afternoons to visitors, except on Saturdays, when it is open also in the forenoon, to accommodate the teachers and the school children. Mondays the Museum is closed entirely, in order to give the halls a good cleaning and to allow the attendants, who are on duty on Sundays, a half day rest.

For obvious reasons the halls of the institution are never open in the evening. The colors of the birds, butterflies, minerals, etc., can not be seen to their advantage in the evening; besides, the lights are not arranged in such a way that the specimens can be studied conveniently. It would also take four or five more employes to watch the collections, and the number of visitors would never be large enough to justify so large an extra expense. During the time of the Carnival and the State Fair we have opened the Museum also in the morning.

The following new appointments have been made since we are in the new building:

George Shrobbree, appointed as taxidermist in place of George B. Turner, who resigned December 31, 1898. Mr. Shrobbree took charge of the office January 26, 1899.

Charles E. Brown, appointed as scientific worker and attendant on September 20, 1898. New position.

Paul Rohde, assistant to the taxidermist in place of Alex. Goethel, who resigned July 10, 1898. Appointed July 28, 1898.

Paul H. Dernehl, scientific worker and attendant. New position. Appointed August 1, 1899.

Herbert Clowes, appointed September 1, 1899. New temporary position. Assisting the taxidermist in making accessories for the groups.

Olive C. Wheeler, attendant, appointed September 20, 1898, in place of Miss Alma Waldbart, who resigned April 20, 1898.

Abraham Wolfenden, janitor, appointed June 8, 1899, in place of Mr. Carl Bindrich, deceased.

These new employes promise to be an excellent force, with whom I hope to accomplish a great deal of work. In the different scientific departments, especially in ethnology, archæology and palæontology, Mr. Charles E. Brown has already been of great service to me. With the assistance of this young scientist and the co-operation of our honorary curator of palæontology, Mr. Chas. E. Monroe, the department of fossils will be well taken care of.

Mr. Paul H. Dernehl, although only recently appointed, has already shown that he is an earnest and conscientious scientific worker. He has since years manifested a great interest in the Museum, being specially versed in ornithology and botany.

Mr. George Shrosbree, our new taxidermist, has accomplished a good deal of work since he came here in January. He has made a fox group, consisting of five young and an old one; a group of three pandas; a group of beavers, consisting of three young and two old ones; a badger group, and a robin group (an old one feeding three young ones in the nest, a specimen of the first brood on the ground looking for worms, also the old male and two European sparrows).

Mr. Shrosbree is now finishing a group of five mountain sheep and has commenced a group of snow leopards.

Mr. Herbert Clowes has been appointed temporarily to make accessories to groups. He has already made quite a number of artificial plants and flowers, which have been introduced into various groups, some of them looking quite natural.

Mr. Carl Bindrich, for sixteen years janitor of the Museum, died May 16, 1899. He was a very attentive, conscientious and reliable employe, and the institution has encountered a great loss by his death. Mr. Abraham Wolfenden has been appointed janitor in his place.

In conclusion I will quote here what Dr. G. Brown Goode, one of the greatest museum men of our time, has said about museums—words that are quite complimentary to our city:

"The museum supplies a need which is felt in every intelligent community, and which can not be supplied by any other agency. The museum does not exist except among highly enlightened people, and attains its highest development only in great centers of civilization. The museum is more closely in touch with the masses than the university and learned society, and quite as much so as the public library, while even more than the last, it is a recent outgrowth of modern tendencies of thought."

ACCESSIONS.

Zoology. — By the perusal of the list of accessions at the end of this report, it will be seen that it compares favorably with former years. The appendix shows that the donations during the past year have been greater than in any other year before. It also shows that the interest in the museum is increasing from year to year. Among the most important donations of the year, attention may be drawn to the following:

Dr. George P. Barth donated 182 specimens of birds, almost all of them collected by himself in Milwaukee County. Although none of them can be considered rare, they all form a valuable addition to our skin collection, which will be kept in drawers and Cambridge cans, where they can be studied conveniently by ornithologists. It is a wrong idea to claim that all specimens not placed on exhibition are worthless to the public and should be exchanged. A museum must not only serve the public; it must also serve the student and must be made useful to him. It must aid in the work of research. For this reason study collections are of great value. A collection of skins is of far greater value to the bird student than the mounted specimens on exhibition.

Dr. C. J. Lange, as in former years, again presented a number of very fine zoölogical specimens.

Mr. Adolph Meinecke, Sr., donated a number of fine zoölogical specimens, collected by him at Gotha, Orange Co., Fla., his winter home, and other localities in the State.

The following specimens deserve special mention: 1 white pelican, 1 brown pelican, 1 anhinga or snake bird, 1 mounted alligator and 6 alligator eggs.

Mr. August Stirn made the following donations: 1 *Paradisea apoda* (great bird of Paradise), 1 *Astrapia nigra* (Paradise pie), 1 *Diphylloides magnifica* (magnificent bird of Paradise), 1 *Cicinnurus regius* (king bird of Paradise), 1 *Cotinga cayana* (blue cotinga). All these were mounted by the celebrated artist, Carl E. Akeley.

Dr. F. C. Rogers collected in Florida a fine specimen of the little blue heron and also one of the Florida jay, which he donated.

Miss Minnie Heck donated a very large and fine specimen of the bald eagle, which was caught alive at Marinette, Wisconsin. This specimen will be used in the formation of an eagle group.

Mr. Edgar Hemmings donated a very large specimen of Florida crocodile, collected some years ago by our former taxidermist, Mr. Carl E. Akeley, in Florida, south of Lake Okeechobee.

A. Booth presented a very large alligator gar, collected in the Mississippi river, south of New Orleans, and a fine specimen of a mackerel shark.

The majority of butterflies in Denton tablets were donated by Mr. F. Rauterberg from his home collection.

Even from outside of the city, many specimens have been sent us by express. The children of ex-Assemblyman George Wolf, of Rhine, Wisconsin, donated a very fine and in every respect perfect specimen of peacock.

Other donations came from Otto C. Neumeister, Sheboygan; Robert Lowerre, Delafield; Miss Edith Gifford, Hartland; W. D. Powell, Chicago; George E. Shrosbree, Ravenswood, Ill.; Joseph Steppan, Chicago, Ill., who donated a very beautifully mounted specimen, in a singing position, of a scarlet tanager, and bobolink.

The following skins were purchased: Male and female of the very rare black leucosticte (*Leucosticte atrata* Ridgway); three pandas from the Himalayan mountains; eight young red foxes; one black-footed ferret (*Putorius nigripes* Aud. & Bach.), a rather rare animal; a very fine and exceptionally large specimen of the prong-horn or Rocky mountain antelope (*Antilocarpa americana*); a small specimen of the Florida crocodile.

Mineralogy and Lithology. — Mr. Ernst von Baumbach, while traveling in the mountains of North Carolina, collected a number of rare minerals, which he donated to the Museum. The ruby corundum, garnet and emeralds are particularly fine.

Mr. Moritz von Baumbach donated a number of very rare minerals in order to fill gaps in our own collection. He also deposited his beautiful collection of copper and silver specimens, numbering to several hundred. These were all selected by Mr. von Baumbach personally when the Cliff Mine in the Lake Superior region was worked, and only the very best and most valuable specimens were kept. This collection contains also beautiful calcites, amethysts and other minerals. He also loaned a fragment of the Wisconsin meteorite, weighing eighteen pounds.

In my last annual report I have already called attention to the large and fine meteorite from Arizona, donated by Mr. William Kieckhefer.

Mr. Charles L. Kiewert presented a collection of thirteen pieces of amber which show remains and entire specimens of various insects.

A number of rare minerals were acquired by purchase and exchange.

Palæontology. — Mr. W. G. Kane, of Kansas City, Mo., is constantly on the lookout for specimens for our Museum while he is traveling. We have received from him in former years quite a number of rare fossils, and during the last year he again donated fifty-three specimens which he obtained in Missouri and Iowa.

The Milwaukee Cement Company, Berthelet, Wisconsin, donated seventeen very fine specimens found in the cement quarries.

Mr. Charles E. Monroe, our honorary curator of palæontology, donated his exquisite private collection of fossils, consisting of 1,063 specimens. In order to complete this exceedingly valuable collection, Mr. Monroe spent much money and many years of hard work. Most of the specimens, which all belong to the Devonian age, were collected by himself during his leisure hours. All the specimens were determined by himself, and he also arranged them systematically, labeled them and placed them in the cases.

Geography. — Mr. Louis Lotz, donated a fine relief map of the Matterhorn and vicinity made by himself.

Archæology. — Mr. Moritz von Baumbach presented fifteen very fine stone implements, among them eleven grooved stone axes found at Chester, Wisconsin.

Mr. Albert Hoffmann presented three idols and a part of a cornice carved in stone, all taken from an ancient Aztec or Toltec city in Mexico. Mr. Hoffmann had to carry these heavy specimens in his satchel all the way up from his place at Xuihil in the mountains near Jalapa, Mexico. He also brought along from his last trip a fine specimen of grinding stone (*matate*), which he also brought in his satchel. A case containing other specimens is still in the Custom House. Mr. Hoffmann says that it is exceedingly difficult to enrich our Museum by such objects, as the Government of Mexico does not allow (except by special permission) archæological specimens to be carried out of the country.

Ethnology. — Mr. Charles L. Kiewert enriched this department by twenty-two specimens collected by him while traveling in Egypt, Palestine, Persia, India, Japan and China. In this collection some very valuable specimens are found, while all of them are highly interesting.



VIEW OF THE SECOND FLOOR.
From a Photograph by Mr. Frank F. Dumke.

Mrs. Ida von Loewenstein, Watertown, Wis., donated a number of family relics, among them hunting utensils, used in Germany at the end of the last and the beginning of the present century.

Mr. Adolph Meinecke again donated a large number of specimens to almost all departments. To the department of ethnology he donated two dugouts found near Milwaukee, one a black walnut canoe, probably made in 1825, the other made of oak about 1835. Both are very interesting.

Miss Mary E. Stewart donated eleven ethnological specimens.

The Mayer Boot & Shoe Company donated a very extensive collection of shoes of all nations, among which those from China, Japan, Corea, Turkey, Palestine and Persia are the most interesting, deserving special mention.

The artist, Mr. Arthur Knight, loaned his fine collection of Indian garments and weapons.

Library.—A large number of books, pamphlets and reports have been received from the United States Government, from the Smithsonian Institution and the National Museum, the Department of Agriculture, etc., and from foreign societies. These were all donated.

Among the books purchased are the following:

Prof. Friedrich Ratzel, *History of Mankind*, 3 vols.

Dr. A. F. W. Schimper, *Pflanzengeographie auf Physiologischer Grundlage*.

Dr. Paul Knuth, *Handbuch der Blütenbiologie*, 2 vols.

Alfred Newton, *A Dictionary of Birds*.

Dr. A. Scobel, *Geographisches Handbuch zu Andrees Handatlas*.

Baird, Cassin and Lawrence, *The Birds of North America*, 2 vols.

The rest of the books purchased consist of scientific works appearing in parts, and scientific periodicals.

INVENTORY.

146,332	Zoölogical specimens, valued at.....	\$42,143	83
3,040	Birds' eggs and nests, valued at.....	10,029	30
17,144	Botanical specimens, valued at.....	1,120	25
4,349	Ethnological specimens, valued at.....	6,715	70
16,156	Archæological specimens, valued at.....	7,559	70
12,694	Palæontological specimens, valued at.....	5,916	85
5,096	Mineralogical and lithological specimens, valued at	5,405	49
8,826	Books, Pamphlets, Catalogues, Atlases, Charts, valued at	8,639	17
	Furniture, Tools, Jars, Vessels, Conservation Sup- plies and Stationery.....	41,977	32
	Upham collection, held in trust.....	350	00
<hr/>		<hr/>	
213,637		\$129,857	61

FINANCIAL TRANSACTIONS OF THE MUSEUM.

Debit.

Balance in Museum fund September 1, 1898.....	\$9,980 38
Refunded	84 23
Appropriation to Museum fund, January 1, 1899.	21,032 77
From joint building fund.....	1,000 00
	<hr/>
	\$32,097 38

Credit.

Amounts paid by warrants on the City
Treasurer since last annual statement was
rendered:

Fuel and light.....	\$1,239 48	
Permanent improvements.....	524 36	
Anthropology and ethnology.....	50 00	
Mammals	358 50	
Fishes and reptiles.....	34 15	
Lower invertebrates.....	800 00	
Payroll	10,779 95	
Conservation supplies.....	25 37	
Installing Museum.....	925 00	
Miscellanies	577 61	
Stationery and printing.....	200 08	
Library	159 64	
Postage and freight.....	117 58	
Birds	318 45	
Furniture	980 23	
Wages	654 98	
Power department.....	492 81	
Rent and tax.....	112 50	
Fossils and casts.....	8 75	
Minerals and rocks.....	22 40	
	<hr/>	18,381 84
Balance in Museum fund September 1, 1899..		\$13,715 54

LIST OF INSURANCE.

Northern Assurance Co. of London, England.....	\$2,750 00
German Insurance Co. of Freeport, Ill.....	2,750 00
The Western Assurance Co. of Toronto, Canada.....	3,300 00
The Rochester German Co. of Rochester, N. Y.....	1,100 00
Pacific Fire Insurance Co. of the City of New York.....	2,200 00
The Palatine Insurance Co. of Manchester, England.....	4,400 00
The American Insurance Co. of Newark, N. J.....	1,100 00
British American Assurance Co. of Toronto, Canada.....	3,300 00
Insurance Co. of North America, Philadelphia, Pa.....	2,750 00
Williamsburgh City Fire Insurance Co. of Brooklyn, N. Y.	1,650 00
Queen Insurance Co. of America, N. Y.....	1,650 00
Royal Insurance Co. of Liverpool, England.....	2,750 00
London and Lancashire Insurance Co. of Liverpool, Eng..	1,650 00
Phoenix Insurance Co. of Brooklyn, N. Y.....	2,200 00
The Mechanics' Insurance Co. of Philadelphia, Pa.....	1,100 00
Hamburg-Bremen Fire Insurance Co. of Hamburg.....	2,750 00
St. Paul Fire and Marine Insurance Co. of St. Paul, Minn.	3,300 00
The Commonwealth Insurance Co. of New York.....	1,650 00
Connecticut Fire Insurance Co. of Hartford, Conn.....	2,200 00
Niagara Fire Insurance Co. of New York.....	1,650 00
Atlas Assurance Co. of London, England.....	2,200 00
The Thuringia Insurance Co. of Erfurt.....	1,100 00
Agricultural Insurance Co. of Watertown, N. Y.....	2,200 00
The Capital Fire Insurance Co. of Concord, N. H.....	2,200 00
The Phoenix Insurance Co. of Hartford, Conn.....	2,200 00
Firemen's Insurance Co. of Newark, N. Y.....	1,100 00
Glens Falls Insurance Co. of Glens Falls, N. Y.....	1,100 00
Citizens' Insurance Co. of Missouri, St. Louis.....	1,100 00
The Spring Garden Insurance Co. of Philadelphia.....	1,100 00
The Hartford Fire Insurance Co. of Hartford, Conn.....	2,200 00
The Manchester Fire Assurance Co. of Manchester, Eng..	2,200 00
The Mercantile Fire and Marine Insurance Co. of Boston, Mass.....	1,100 00
The American Insurance Co. of Boston, Mass.....	1,100 00

The Pennsylvania Fire Insurance Co., Philadelphia.....	2,750 00
Scottish Union and National Insurance Co. of Edinburgh.	3,850 00
The North German Fire Insurance Co. of Hamburg.....	2,750 00
Equitable and Merchants' Insurance Co. of Providence, R. I.	2,750 00
Citizens' Insurance Co. of Pittsburg, Pa.....	2,200 00
The Hartford Fire Insurance Co. of Hartford, Conn.....	1,100 00
Firemen's Fund Insurance Co. of San Francisco, Cal.	1,650 00
The Commerce Insurance Co. of Albany, N. Y.	1,100 00
The Liverpool and London and Globe Insurance Co.....	2,200 00
The New Hampshire Fire Insurance Co. of Manchester, N. H.	1,100 00
The Imperial Insurance Co. (Limited) of London, Eng...	1,650 00
The American Fire Insurance Co. of New York.....	1,100 00
National Fire Insurance Co. of Hartford, Conn.....	2,750 00
Grand Rapids Fire Insurance Co. of Grand Rapids, Mich.	1,650 00
Providence Washington Insurance Co. of Providence, R. I.	1,100 00
Phoenix Insurance Co. of Brooklyn, N. Y.	1,100 00
The Greenwich Insurance Co. of New York.....	1,100 00
Caledonian American Insurance Co.....	1,100 00
Norwich Union Fire Insurance Co. of England.....	3,300 00
Magdeburg Fire Insurance Co. of Magdeburg.....	2,750 00
German Fire Insurance Co. of Peoria, Ill.....	2,200 00
Michigan Fire and Marine Insurance Co. of Detroit.....	1,100 00
Total.....	\$109,450 00

VISITORS.

	1898 Sept.	1898 Oct.	1898 Nov.	1898 Dec.	1899 Jan.	1899 Feb.	1899 Mar.	1899 Apr.	1899 May.	1899 June.	1899 July	1899 Aug.	1898-99 Whole Year.
Average daily attendance						663	799	623	341	810	297	299
Greatest daily attendance	Closed	Closed	Closed	Closed	Re-opened January 23d	2,207	2,081	1,975	1,305	10,192	725	680
Least daily attendance...	Closed	Closed	Closed	Closed		181	322	170	112	97	190	177
Av. attend. on Sundays..						925	1,532	1,510	930	430	348	397
Total attendance.....					6,418	18,558	24,767	18,791	10,585	24,299	9,202	9,189	121,809

CONCLUSION.

Our means are limited. The sum of \$21,000 per annum scarcely suffices to run such a large institution as the Public Museum. I have always endeavored to manage the institution as economically as possible. For this reason I have been very careful during the past year in making recommendations in the line of purchasing new material or to increase our force of employes. In fact, almost all the purchases were made in a rather promiscuous way, as we bought only specimens that were offered to us by collectors. We are now well supplied with all the common forms of animal life. The same holds true regarding minerals, fossils, archæological and ethnological specimens. In future only gaps in the different natural history collections should be filled. This means a systematic way of buying specimens. Your honorable body already have passed a resolution to buy all the North American mammals and birds not yet in our collection. This is a very important step in the right direction.


Nature study forms at present a very important part of the plan of instruction in our public schools, and this Museum, which is preëminently a public institution, should do all in its power to aid the school children in the study of natural history. For this reason a duplicate collection of mounted birds, mammals, butterflies, beetles, plants, etc., should be formed, which can be conveniently used in the special room set aside for the schools.

The Wollaeger Manufacturing Co. deserves high praise for their exhibition cases, which are not only very beautiful, but also very practical. During the time the cases were made I have spent many hours in the establishment, and every suggestion made by me was carefully considered. The intention of the firm was to furnish the very best. Thanks are due also to Mr. Ludwig Koehler, the Inspector of Furniture of the Board


of Public Works, and to Mr. Sam. J. Brockman, Commissioner of Public Works, who almost daily inspected the work of furnishing the building.

Respectfully submitted,

H. NEHLING,
Custodian and Secretary.



APPENDIX.



ZOOLOGY.

DONATIONS.

Dr. Geo. Barth, Milwaukee, Wis.		
5 American Crossbills,	Milwaukee Co., Wis.	
3 English Sparrows,	"	"
4 Field Sparrows,	"	"
1 Warbling Vireo,	"	"
1 Wood Pewee,	"	"
7 White-breasted Nuthatch,	"	"
1 Horned Lark,	"	"
3 Cedar Waxwings,	"	"
2 Song Sparrows,	"	"
2 Vesper Sparrows,	"	"
2 Slate-colored Juncos,	"	"
2 Tree Sparrows,	"	"
1 Brown Creeper,	"	"
7 Chickadees,	"	"
1 Sora,	"	"
1 Catbird,	"	"
1 Golden-crowned Kinglet,	"	"
2 American Robins,	"	"
2 Blue Jays,	"	"
13 Purple Finches,	"	"
6 Lapland Longspurs,	"	"
2 Olive-backed Thrushes,	"	"
1 Wood Thrush,	"	"
2 Towhees,	"	"
2 American Goldfinches,	"	"
1 Red-winged Blackbird,	"	"
2 Hairy Woodpeckers,	"	"
5 Downy Woodpeckers,	"	"
1 Red-bellied Woodpecker,	"	"
3 Flickers,	"	"
96 other Wisconsin Birds.		
Dr. Edwin W. Bartlett, Milwaukee, Wis.		
1 Bonaparte's Gull,	Pewaukee Lake, Wis.	
1 Whistling Swan,	"	"

- Moritz von Baumbach, Milwaukee, Wis.
 1 Trap-door Spider's Nest.
- W. J. Bennetts, Milwaukee, Wis.
 1 Bobolink, Wauwatosa, Wis.
- M. Boardman, Milwaukee, Wis.
 1 Flicker, Milwaukee, Wis.
- A. Booth & Co., Milwaukee, Wis.
 1 Alligator Gar, Gulf of Mexico.
 1 Mackerel Shark.
- J. A. Brandon, Milwaukee, Wis.
 1 Cedar Waxwing, Milwaukee Co., Wis.
 1 Red-shouldered Hawk, " "
- A. Brown, Milwaukee, Wis.
 1 Hoary Bat, Milwaukee, Wis.
- Chas. E. Brown, Milwaukee, Wis.
 4 Star Fishes, Atlantic and Pacific Coast.
 1 Echinid, " "
 1 Coral, " "
 1 Silver Black Bat, Wauwatosa, Wis.
 1 Nest of Swamp Sparrow, " "
 1 Field Mouse, Milwaukee, Wis.
 32 Specimens for the Insect collection.
- Mrs. Robert C. Brown, Milwaukee, Wis.
 1 Maryland Yellow-throat, Milwaukee, Wis.
- L. Burgess, Milwaukee, Wis.
 1 Nest of Red-winged Blackbird, Greenfield, Wis.
 1 Nest of American Goldfinch, Benton Harbor, Mich.
- August Cloos, Milwaukee, Wis.
 1 Nest of Baltimore Oriole, Cedarburg, Wis.
- Lindley Collins, Milwaukee, Wis.
 1 Holboell's Grebe, Lake Koshkonong, Wis.
- Carl C. Corbett, Plymouth, Wis.
 1 Great Blue Heron, Plymouth, Wis.
- Paul H. Dernehl, Milwaukee, Wis.
 7 Specimens for the Insect collection.
- Miss Mary E. Dousman, Milwaukee, Wis.
 1 Mourning Warbler, Milwaukee, Wis.
- Adolph Frohbach, Milwaukee, Wis.
 1 White-faced Glossy Ibis, California.
- Edith Gifford, Hartland, Wis.
 1 Snail, Barbados.
 1 Snake.

- Edith Gifford, Hartland, Wis.
 2 Tarantulas, Southern States.
 1 Centipede, Trinidad.
 1 Beetle, Brazil.
- Alexander Goethel, Milwaukee, Wis.
 2 English Sparrows, Milwaukee, Wis.
- Adolph Hanauer, Milwaukee, Wis.
 1 Virginia Rail, Milwaukee, Wis.
 1 American Woodcock, " "
- Christ. Hansen, Milwaukee, Wis.
 1 Ovenbird, Milwaukee, Wis.
- Miss Minnie Heck, Milwaukee, Wis.
 1 Bald Eagle, Marinette, Wis.
- John F. Heim, Milwaukee, Wis.
 1 Goldfish.
- Edgar Hemmings, Milwaukee, Wis.
 1 Florida Crocodile.
- Robert Herdegen, Milwaukee, Wis.
 1 Canary Bird, Captivity, Milwaukee, Wis.
- Frank Hibbard, Milwaukee, Wis.
 3 American Robins, Milwaukee Co., Wis.
- H. Hirsch, Milwaukee, Wis.
 1 Spider with Nest, Cuba.
- Andrew Hoelzl, Milwaukee, Wis.
 1 Shell, Florida.
- Otto Hoya, Milwaukee, Wis.
 1 Nest of Baltimore Oriole, Wauwatosa, Wis.
 1 Nest of Barn Swallow, " "
 1 Nest of American Robin, " "
- Mrs. Sarah Munro, Milwaukee, Wis.
 14 Shells.
 1 Coral.
 1 Gorgonid.
- Prof. J. J. Jegi, Milwaukee, Wis.
 1 White-throated Sparrow, Milwaukee, Wis.
 1 American Robin, " "
- Charles H. John, Milwaukee, Wis.
 1 White-winged Scoter, Pewaukee Lake, Wis.
- Wm. Kieckhefer, Milwaukee, Wis.
 1 American Osprey, Muskego Lake, Wis.
- Chas. L. Kiewert, Milwaukee, Wis.
 1 Indian Elephant Molar, India.

- A. H. Kirchner, Wauwatosa, Wis.
 1 Nest of Red-eyed Vireo, Wauwatosa, Wis.
 1 Nest of American Crow,
 1 Field Sparrow, Granville, Wis.
 1 Brown Thrasher, " "
 2 Loggerhead Shrikes, " "
 2 American Robins, " "
 1 Kingbird, " "
 2 English Sparrows, " "
- James Kneeland, Milwaukee, Wis.
 1 Black Swan, Captivity, Milwaukee, Wis.
- John Kraus, Milwaukee, Wis.
 1 Bat, Milwaukee, Wis.
 1 Common Gar-Pike, Wisconsin.
- Anna Kulis, Milwaukee, Wis.
 1 Spider in Formaline.
- Dr. C. J. Lange, Milwaukee, Wis.
 1 Common Flying Squirrel, Milwaukee, Wis.
 1 Red-shouldered Hawk, Milwaukee Co., Wis.
 1 American Bittern, Wauwatosa, Wis.
 2 Great Blue Herons, Wisconsin.
 1 Virginia Deer (Fawn), Wisconsin.
 1 Short-eared Owl, Muskego Lake, Wis.
 3 Old-Squaws, Muskego Lake, Wis.
- Mrs. Pauline Laur, Milwaukee, Wis.
 1 Olive-backed Thrush, Milwaukee, Wis.
- William Loeffler, Milwaukee, Wis.
 4 Canis familiaris (Dachshund), Milwaukee, Wis.
- Robert Lowerre, Delafield, Wis.
 2 Great Blue Herons, Delafield, Wis.
- Miss M. W. Loy, Milwaukee, Wis.
 1 Peacock.
- W. M. Lusk, Milwaukee, Wis.
 1 Golden-winged Warbler, Milwaukee, Wis.
- Adolph Meinecke, Milwaukee, Wis.
 1 American White Pelican, Florida.
 6 Alligator Eggs, "
 1 Anhinga, "
 1 Alligator, "
 1 Brown Pelican.
- Carl Miller, Milwaukee, Wis.
 1 Kingfisher, Gold Coast, Africa.

- Frank J. Meyer, Milwaukee, Wis.
 1 Lizard, Milwaukee, Wis.
- Miss Lydia Nehrling, Milwaukee, Wis.
 1 Oven-bird, Milwaukee, Wis.
- Werner Nehrling, Milwaukee, Wis.
 1 Scarlet Tanager, Milwaukee, Wis.
- Otto C. Neumeister, Sheboygan, Wis.
 1 American Golden-eye, Sheboygan, Wis.
- B. P. Nommensen, Milwaukee, Wis.
 1 Common Flying Squirrel, Milwaukee, Wis.
- Sherwood G. Oxborrow, Delafield, Wis.
 1 Great Blue Heron, Delafield, Wis.
- Walter Otto, Milwaukee, Wis.
 1 Oven-bird, Milwaukee, Wis.
- Herman Peterson, Milwaukee, Wis.
 1 Mud Turtle, Milwaukee, Wis.
- C. Pfeifer, Plymouth, Wis.
 1 Common Skunk, Plymouth, Wis.
 1 Sora, " "
- John Plankinton, Jr., Milwaukee, Wis.
 1 Emu Egg, New South Wales, Australia.
- W. D. Powell, Chicago, Ill.
 1 Common Gar-Pike, Rock River, Wis.
- Richard Rasch, Milwaukee, Wis.
 1 Virginia Deer (Fawn), Captivity, West Side Park.
- F. Rauterberg, Milwaukee, Wis.
 2 Lizards, North Greenfield, Wis.
 1 Grass Snake, Milwaukee Co., Wis.
- Dr. Fred. C. Rogers, Milwaukee, Wis.
 1 Little Blue Heron, Florida.
 1 Florida Jay, "
- Paul C. Rohde, Milwaukee, Wis.
 1 Red Bat, Milwaukee, Wis.
 3 Gophers, Rock Island, Ill.
 1 Nest of Yellow Warbler, Hales Corners, Wis.
- Walter Rohde, Milwaukee, Wis.
 1 White-throated Sparrow, Milwaukee, Wis.
- Elsie Salomon, Milwaukee, Wis.
 1 Gar-Pike, Okauchee Lake, Wis.
- Hans Sauer, Milwaukee, Wis.
 1 Porcupine, Northern Michigan.

- G. Schlicht, Milwaukee, Wis.
 1 Bat in alcohol, Milwaukee, Wis.
- G. Schroeckenthaller, Mellen, Wis.
 1 Great Horned Owl, Mellen, Wis.
- Mrs. Amelia Fitzhugh Selby, Milwaukee, Wis.
 2 Echinoderms, Miami, Fla.
 19 Shells, " "
 1 Gorgonid, " "
 1 Coral, " "
- Geo. Shrobbree, Milwaukee, Wis.
 1 Purple Grackle, Milwaukee, Wis.
 1 Red-eyed Vireo, Wauwatosa, Wis.
 1 Red-headed Woodpecker, " "
- Geo. E. Shrobbree, Ravenswood, Ill.
 1 Northern Shrike, Edgewater, Ill.
 1 Least Sandpiper, Dunning, Ill.
- Henry Smith, Milwaukee, Wis.
 2 Buffalo Horns, Dakota.
- Henry and Herbert Stark, Milwaukee, Wis.
 1 Cliff Swallow, Milwaukee, Wis.
- Geo. Steinborn, Milwaukee, Wis.
 1 Turtle, Milwaukee Co., Wis.
- Jos. Steppan, Chicago, Ill.
 1 Mounted Bobolink, Cook Co., Ill.
 1 Mounted Scarlet Tanager, " "
- Miss Mary E. Stewart, Milwaukee, Wis.
 1 *Eugorgia aurantiaca*, Bahamas.
 1 Gorgonid, "
 1 Buffalo Horn.
 1 Turtle Shell, Gulf of Mexico.
 4 Shells, "
- August Stirn, Milwaukee, Wis.
 1 *Paradisea apoda*, New Guinea.
 1 *Astrapia nigra*.
 1 *Diphyllodes magnifica*.
 1 *Cotinga cayana*.
 1 *Cicinnurus regius*, New Guinea.
 (All mounted by Mr. Carl E. Akeley.)
- Geo. Tallmadge, Milwaukee, Wis.
 1 Bat in alcohol, Neenah, Wis.
- C. H. Tesch, Milwaukee, Wis.
 1 Bat, Menomonee Valley, Wis.

- Geo. B. Turner, Milwaukee, Wis.
 1 Red-winged Blackbird, Muskego Lake, Wis.
 2 American Coots, Tichigan Lake, Wis.
- Edward Voss, Milwaukee, Wis.
 2 Echinoderms, St. Augustine, Fla.
- Miss Olive C. Wheeler, Milwaukee, Wis.
 6 Eggs of Canary Bird, Captivity, Milwaukee.
- J. Williamson, Milwaukee, Wis.
 1 Sora, Milwaukee, Wis.
- G. and T. Williamson, Milwaukee, Wis.
 1 Nighthawk, Milwaukee, Wis.
- Franz Wollaeger, Jr., Milwaukee, Wis.
 1 Downy Woodpecker, Milwaukee Co., Wis.
- Children of Geo. Wolf, Elkhart, Wis.
 1 Peacock, Rhine, Wis.
- Casper Zeller, Milwaukee, Wis.
 1 Common Flying Squirrel, Wauwatosa, Wis.
- Casper H. Zepf, Milwaukee, Wis.
 1 Yellow-bellied Sapsucker, Milwaukee, Wis.
 1 Virginia Rail, " "

ACQUIRED BY PURCHASE.

- 2 Black Leucosticte, Colorado City, Colo.
 3 Pandas, Himalaya Mountains, Asia.
 8 Red Foxes, Kelly Brook, Oconto Co., Wis.
 1 Black-footed Ferret, Forsyth, Montana.
 1 Antelope.
 1 American Crocodile, Florida.

BOTANY.

DONATIONS.

- Chas. E. Brown, Milwaukee, Wis.
 1 Fruit of Bertholletia excelsa, Brazil, S. A.
 1 Anastatica hierochuntina, Palestine.
- Chas. E. Monroe, Milwaukee, Wis.
 1 Cypripedium candidum, Palmyra, Wis.
- Otto Schoenleber, Milwaukee, Wis.
 1 Box of Java Cocoa Beans, Java.
- Mary E. Stewart, Milwaukee, Wis.
 1 Small Herbarium in Book Form.

MINERALOGY.

DONATIONS.

- Fred. Addicks, Milwaukee, Wis.
6 Specimens of Silicified Wood.
- Ernst von Baumbach, Milwaukee, Wis.
1 Ruby, Corundum, Macon Co., N. C.
1 Garnet, Muscovite and Albite, Yancey Co., N. C.
1 Beryl, Mitchell Co., N. C.
1 Emerald, " "
1 Cyanite, " "
- Moritz von Baumbach, Milwaukee, Wis.
1 Datolite, Lake Superior.
1 Azurite, Bisbee Mine, Arizona.
1 Apophyllite, Lake Superior.
1 Embolite, New Mexico.
1 Columbite, Haddam, Conn.
1 Vauscite, Montgomery Co., Ark.
1 Apatite, Ontario, Canada.
1 Opal, Queretaro, Mexico.
1 Turquoise, Arizona.
1 Pyrope, Arizona.
- O. H. Bossert, Milwaukee, Wis.
1 Horn Silver, Eureka Hill Mine, Eureka, Utah.
1 Lot of small Anglesite, Gemini Mine, Eureka, Utah.
- G. H. Benzenberg, Milwaukee, Wis.
1 Float Copper, Milwaukee, Wis.
- August Cloos, Milwaukee, Wis.
10 Erosions by Water.
3 Eroded Gneiss.
2 Pot-holes.
11 Erosions, showing Veins.
- W. H. Ellsworth, Milwaukee, Wis.
8 Specimens of Silicified Wood, Medora, N. D.
1 Erosion, Wisconsin.
- A. Gillette, Milwaukee, Wis.
1 Sphalerite on Marcasite, Buncombe, Wis.
- Albert Hoffmann, Milwaukee, Wis.
2 Obsidian, Vera Cruz, Mexico.
- William Kieckhefer, Milwaukee, Wis.
1 Meteorite, Cañon Diablo, Arizona.

- Chas. L. Kiewert, Milwaukee, Wis.
 13 Pieces of Amber with Insect and Plant Enclosures.
- H. A. Kirchner, Wauwatosa, Wis.
 1 Silicified Wood.
- Milwaukee Cement Co., Milwaukee, Wis.
 2 Erosions.
- W. P. O'Connor, Milwaukee, Wis.
 1 Erosion, Milwaukee, Wis.
- Dr. Frederick C. Rogers, Milwaukee, Wis.
 1 Beryl, Beryl Mountain, New Hampshire.
- August Stirn, Milwaukee, Wis.
 1 Turquoise, Northern Mexico.
- Frank A. Wentworth, Marquette, Mich.
 1 Polished Piece of Silver and Copper, Calumet Mine, Mich.

ACQUIRED BY PURCHASE.

- 1 Actynolite, Zillerthal, Tyrol.
 1 Smoky Quartz, Switzerland.
 1 Ecdemite and Wulfenite, Arizona.
 1 Ferruginous Quartz, England.
 1 Green Opal, Baumgarten, Silesia.
 1 Oligoclase, Todestrand, Norway.
 1 Chalcotrichite, Morinci, Arizona.
 2 Flos Ferri, Styria, Austria.

ACQUIRED BY EXCHANGE.

- 2 Calcites, coated with Turgite, Aurora, Mo.
 5 Calcites, Aurora, Mo.
 1 Geode, Fox River, Wis.
 1 Geode with Calcite, Fox River, Wis.
 2 Cerussite, Joplin, Mo.
 1 Pyrite Group, Joplin, Mo.
 1 Quartz Group, Hot Springs, Ark.
 1 Tourmaline, Black Hills, S. D.
 3 Quartz Geodes with Calcite, Fox River, Wis.
 1 Galena, Joplin, Mo.
 1 Muscovite Crystals in Quartz, Keystone, S. Dak.

PALÆONTOLOGY.

DONATIONS.

- Chas. E. Brown, Milwaukee, Wis.
 1 Fossil Rock, containing Mollusks.

- Geo. Chase, Milwaukee, Wis.
 1 Fossil Shell, Milwaukee, Wis.
- August Cloos, Milwaukee, Wis.
 1 Concretion, Cedarburg Creek, Wis.
- Henry Denison, Milwaukee, Wis.
 1 Fossil Shell, Milwaukee, Wis.
- W. G. Kane, Kansas City.
 53 Fossils from Missouri and Iowa.
- Charles W. Lamb, Milwaukee, Wis.
 1 Spirifer asper, Intake Tunnel, Milwaukee, Wis.
- Mrs. Pauline Laur, Milwaukee, Wis.
 1 Fossil Shell, Bennington, Kans.
- Charles L. Mann, Milwaukee, Wis.
 1 Halysites catenulatus, Wisconsin.
- Milwaukee Cement Co., Milwaukee, Wis.
 5 *Dinichthys pustulosus*, Berthelet, Wis.
 1 *Phlyctaenacanthus telleri*, " "
 2 *Gyroceras*, " "
 7 *Gomphoceras*, " "
 1 *Orthoceras*, near *bebryx*, " "
 1 *Grammysia*, near *subarcuata*, " "
- Chas. E. Monroe, Milwaukee, Wis.
 3 *Dinichthys pustulosus*.
 2 *Titanichthys*.
 5 *Palaeomylus greenei*.
 4 *Plyctodus ferox*.
 1 " *calceolus*.
 3 *Rhynchodus excavatus*.
 4 Fish scales.
 3 *Gyroceras*.
 3 " *eryx*.
 22 *Gomphoceras*.
 4 " *fusiforme*.
 2 " *breviposticum*.
 2 *Orthoceras*, near *bebryx*.
 2 *Orthoceras*.
 3 *Conularia*.
 5 *Tentaculites bellulus*.
 2 *Hyalolithes*.
 7 *Loxonema*.
 7 *Bellerophon*, near *pelops*.

Chas. E. Monroe, Milwaukee, Wis.

- 1 Pleurotomaria.
- 2 " or Cyclonema.
- 1 Cyclonema.
- 6 Cellonema.
- 1 Murchisonia.
- 3 Platyceras.
- 1 Pteniropecten.
- 1 Lyriopecten.
- 9 Actinopteria.
- 1 Modiomorpha concentrica.
- 2 " near alta.
- 1 Nuculites oblongatus.
- 7 Palaeoneilo constricta.
- 5 " brevis.
- 4 " emarginata.
- 3 " elongata.
- 2 " plana.
- 18 " fecunda.
- 1 Grammysia, near nodocostata.
- 1 " near subarcuata.
- 1 Grammysia.
- 2 Mytilarca, near oviformis.
- 2 " near umbonata.
- 1 Leda, near rostellata.
- 1 Paracyclas, near tenuis.
- 1 Nucula corbuliformis.
- 4 " near randalli.
- 1 Nucula.
- 31 Schizophoria striatula.
- 1 " tulliensis.
- 1 " macfarlani.
- 10 Orthotheses chemungensis, var. arctistriata.
- 1 " " " and Chonetes
scitulus.
- 31 Pholidostrophia iowaensis.
- 18 Stropheodonta demissa.
- 9 Stropheodonta demissa, associated with Pholidostrophia
iowaensis and Chonetes scitulus.
- 22 Stropheodonta perplana.
- 16 Chonetes scitulus.
- 11 " gibbosus.

Chas. E. Monroe, Milwaukee, Wis.

- 12 Chonetes vicinus.
 10 Spirifer iowaensis.
 44 " euryteines.
 22 " asper.
 24 Delthyris consobrina.
 53 Spirifer subvaricosus.
 6 " pennatus.
 107 Cyrtina hamiltonensis.
 22 " " var. recta.
 7 Atrypa hystria.
 137 " rexticularis.
 19 Dielasma calvini.
 13 Leiorhynchus kelloggi.
 2 Camarotoechia, near sappho.
 8 " contracta, var. saxatilis.
 1 Cast of both the foregoing species, with D. consobrina.
 2 Pentamerella.
 40 Athyris fultonensis.
 1 Lingula complanata.
 23 " near melie.
 3 " near spatulata.
 5 Lingula.
 8 Orbiculoidea lodiensis.
 14 " lodiensis.
 13 " " var. media.
 13 " marginalis.
 2 "
 3 Craniella hamiltoniae.
 2 Strophodonta perplana.
 1 Atrypa reticularis.
 2 Aulopora.
 3 Fistulipora.
 3 Monotrypa.
 4 Sticktopora.
 6 Fenestella.
 4 Stromatopora.
 1 Lichenalia.
 19 Phacops rana.
 7 Proetus, near macrocephalus.
 1 Melocrinus subglobosus.
 1 " nodosus.

Chas. E. Monroe, Milwaukee, Wis.

- 1 Melocrinus milwaukeeensis.
- 2 Taxocrinus.
- 2 Pentremitidae filosa.
- 1 " milwaukeeensis.
- 1 Gomphoceras.
- 2 Stems of Land Plant.
- 3 Tucoides.
- 11 Spirifer orestes.
- 1 Strophonella reversa.
- 1 Schizophoria striatula.
- 4 Spirifer granulosis.
- 3 " acuminatus.
- 3 " audaculus.
- 5 " fornaculus.
- 4 Chonetes lepidus.
- 2 " yandellanus.
- 4 " coronatus.
- 5 Pholidostrophia iowaensis.
- 1 Stropheodonta perplana.
- 1 Tropidoleptus carinatus.
- 1 Meristella nasuta.
- 5 Acervularia davidsoni.
- 3 Corals.
- 2 Heliophyllum.
- 1 Zaphrentis.
- 6 Favosites.
- 2 Stromatopora.

Lloyd Skinner, Milwaukee, Wis.

- 1 Gyroceras eryx, Berthelet, Wis.

John J. White, Jr., Milwaukee, Wis.

- 1 Tentaculites gyracanthus,
- 1 Leperditia alta,

Schoharie, N. Y.

" "

GEOGRAPHY.

DONATIONS.

Louis Lotz, Milwaukee, Wis.

- 1 Relief Map of the Matterhorn and Vicinity.

ARCHÆOLOGY.

DONATIONS.

Moritz von Baumbach, Milwaukee, Wis.

11 Grooved Stone Axes,	Chester, Wis.
1 Grooved Stone Hammer,	“ “
1 Stone Celt,	“ “
3 Stone Arrow Points,	“ “

Albert Hoffmann, Milwaukee, Wis.

1 Part of Cornice, carved in stone,	Mexico.
1 Idol, carved in porous rock,	“
1 Idol, unfinished, carved in stone,	“
1 Representation of a Human Head, carved in stone,	“

K. K. Kennan, Milwaukee, Wis.

1 Lot of fragmentary bones of mound-builders, from opposite the village of Packwaukee, Marquette Co., Wis.
--

Miss Mary E. Stewart, Milwaukee, Wis.

4 Ancient Urns,	Frisco, New Mexico.
2 Grooved Stone Axes,	“ “

ETHNOLOGY.

DONATIONS.

Dr. Edwin W. Bartlett, Milwaukee, Wis.

- 2 Japanese Swords with Knife Attachment.
- 1 Dagger with a Carved Ivory Scabbard and Handle.
- 1 Double-barreled Pistol.

Moritz von Baumbach, Milwaukee, Wis.

- 1 Chassepot gun, found on battlefield of St. Ann, 1870.
- 1 Larriat, made of buffalo hair, Commanche Indians, Texas.
- 3 Tomahawk Pipes.
- 2 Catlinite Pipes.
- 1 Bead Necklace.
- 1 Beaded Tobacco Bag.
- 1 Paint Bag.
- 1 Flute.
- 1 Bow.
- 14 Arrows.
- 1 War Signal.
- 1 War Club.
- 1 Bowie Knife.
- 1 Birch-bark Box, decorated with porcupine quills.

- Moritz von Baumbach, Milwaukee, Wis.
- 1 Opium Pipe.
 - 1 Crinoid Ornament.
 - 2 Mummy eyes, Peru, South America.
- Chas. E. Brown, Milwaukee, Wis.
- 1 Rebel Instrument from the battlefield of Atlanta.
 - 1 U. S. Cavalry Full Dress Plume.
- Herbert Clowes, Milwaukee, Wis.
- 1 Cap of Palm-spathe, worn by natives of the West Indies.
- Hermann Hoehne, Milwaukee, Wis.
- 1 Cartridge of the French Mitraillease (Gatling Gun), 1870.
 - 1 French Percussion Cap Gun.
 - 1 French Cane Gun.
 - 1 Non-commissioned Officer's Signal Whistle, 1870-1871.
- Albert Hoffmann, Milwaukee, Wis.
- 1 Bandarino, used in bull-fights.
- Wm. Jamieson, Milwaukee, Wis.
- 1 Iron Lamp, used in Germany, 1750.
- Chas. L. Kiewert, Milwaukee, Wis.
- 1 Battle Axe, Punjab, India.
 - 1 Cimenter with Dagger Attachment, Punjab, India.
 - 1 Elephant Goad, India.
 - 1 Inkstand, Arabia.
 - 1 Pipe, Japan.
 - 1 Spoon of Bone, Lapland.
 - 1 Toy, Japan.
 - 1 Eating Utensils, China.
 - 1 House Door Lock, Arabia.
 - 4 Amulets, Egypt.
 - 1 Visiting Cards, China.
 - 1 Envelope and Letter Paper, made of wood, Japan.
 - 1 Urdu or Hindustani Love Poetry, India.
 - 1 Copy Book for Higher Grade Boys, Persia.
 - 1 Theatre Program, Japan.
 - 1 "The Bombay Samachar," 1886, India.
 - 1 "The Native Merchants Daily Gazette."
 - 1 Program of the National Peace Jubilee Banquet, held at Chicago, Oct. 19, 1898.
- H. A. Kirchner, Wauwatosa, Wis.
- 1 Double-barreled Percussion Cap Revolver, Germany.
 - 1 Leather Bullet Pouch, "
 - 1 Powder Horn, "

- H. A. Kirchner, Wauwatosa, Wis.
 1 Springfield Rifle.
- Mrs. Ida von Loewenstein, Watertown, Wis.
 1 Powder Flask.
 2 Muzzle-loading double-barreled Shot Gun.
 1 Hunting Knife.
 2 Shot Pouches.
 3 Bullet Molds.
 1 Hunting Bag.
- Adolph Meinecke, Milwaukee, Wis.
 1 Black Walnut Canoe, probably made in 1825.
 1 Dugout, supposed to have been built 1835.
 1 Indian Skull.
- Mrs. Marie Melms, Milwaukee, Wis.
 2 Original Letters from the year 1840, directed from Milwaukee to Germany by Franz Neukirch.
- Numismatic and Antiquarian Society of Montreal.
 1 Copy of a Medal of the Numismatic and Antiquarian Society of Montreal, 1705-1896.
- Emil von Schleinitz, Milwaukee, Wis.
 1 Pipe, used by Sergeant Long of the Greeley Expedition to the North Pole.
- Mrs. Amelia Fitzhugh Selby, Milwaukee, Wis.
 1 Piece of Carving on Avicula Shell, Miami, Fla.
- H. H. Speck, Milwaukee, Wis.
 1 Sword with Walrus Handle.
- Miss Mary E. Stewart, Milwaukee, Wis.
 1 Chinese Fan.
 1 Japanese Fan.
 1 Chinese Advertising Sheet.
 1 China Mirror.
 1 Picture of Alum Bay, Isle of Wight.
 1 Chinese Cup.
 1 Old Mexican Spur.
 1 Old Norwegian Spoon.
 1 Chinese Tea Cup.
 1 Chinese Whiskey Jug.
 1 Indian Skull, Frisco, N. M.
- August Stirn, Milwaukee, Wis.
 1 Facsimile der Capitulation Strassburgs, 1681.
 1 French Document with the Signature of Louis XIV.

LIBRARY.

DONATIONS.

- A. O. U. Committee on Protection of N. A. Birds.
Report on Protection of N. A. Birds.
- Academy of Science of St. Louis.
Transactions, Vol. VIII., Nos. 7-12.
" Vol. IX., Nos. 1-4.
- Academia Nacional de Ciencias, Buenos Aires.
Boletin, Tomo XVI., Entrega 1a.
- Alterthumsgesellschaft zu Insterburg.
Jahresbericht 1894, 1895, 1896, 1897 and 1898.
Katalog zur Bibliothek.
Verzeichniss der vorgeschichtlichen und geschichtlichen.
Sammlungen der Alterthumsgesellschaft.
- American Museum of Natural History, New York.
Bulletin, Vols. X., XI., Part I., 1898.
Annual Report, 1898.
- Anthropologische Gesellschaft in Wien.
Mittheilungen, XXVIII. Bd., 1898, No. 3.
- Australian Museum, Sydney.
Report of the Trustees, 1897.
- Dr. Edwin W. Bartlett, Milwaukee.
Program of the 29th Session of the National Convention of
Insurance Commissioners.
- Belfast Natural History and Philosophical Society, Belfast.
Report and Proceedings, 1898.
- Bergens Museum, Bergen.
Aarbog, 1898.
- Board of City Service Commissioners, Milwaukee.
Fourth Annual Report, 1898.
- Boston Society of Natural History, Boston.
Proceedings, Vol. 28, No. 13, 16.
" Vol. 29, No. 2, 3, 4.
North American Wood Frogs.
- Botanischer Verein der Provinz Brandenburg, Berlin.
Verhandlungen, 40. Jahrg., 1898.
- Cincinnati Museum Association, Cincinnati.
18th Annual Report, 1898.
Catalogue of the 4th Annual Exhibition.
- Colorado College Scientific Society, Colorado Springs.
Colorado College Studies, Vol. VII.

- Colorado Scientific Society, Denver.
Hills, R. C. The Oscuro Mountain Meteorite.
- Connecticut Historical Society, Hartford.
Annual Report, May, 1899.
- Mrs. D. B. Davies, Milwaukee.
The Works of the late learned divine, Stephen Charnock.
- Denison University, Granville, Ohio.
Bulletin, Vol. X., 1897.
" Vol. XI., 1898.
- Detroit Museum of Art, Detroit.
Annual Report, 1898.
- Deutsch-Wissenschaftlicher Verein zu Santiago de Chili, Valparaiso.
Verhandlungen, Bd. III., Heft 5, 6.
- Elisha Mitchell Scientific Society, Chapel Hill, N. C.
Journal, 15th year, part II.
- Entomologiska Foreningen I. Stockholm.
Entomologisk Tidskrift, Arg. 19., Häft 1-4.
- Entomological Society of Ontario, Toronto.
29th Annual Report, 1898.
- Erben von Fritz Ruehl, Zürich-Hottingen.
"Societas Entomologica," XIII. Jahrg., Nos. 11-24, 1898.
" XIV. Jahrg., Nos. 1-4, 1899.
- Essex Institute, Salem, Mass.
Annual Report, 1898-1899.
- Field Columbian Museum, Chicago.
Publications 28-38.
- Free Museum of Science and Art, Philadelphia.
Bulletin, Vol. II., Nos. 1 and 2, 1899.
- Fürstlich Jablonowskische Gesellschaft, Leipzig.
Jahresbericht, 1898.
- Geological Commission of Cape Town.
Annual Report, 1897.
- Geological Survey of Queensland, Brisbane.
Bulletins, No. 5, 8-10 of the Geological Survey.
The Geology of the Basalt Workings, Mount Rainbow
Gold Fields.
The Mesozoic Coal Measures of Stanwell and Associated
Formations.
- Gesellschaft Naturforschender Freunde, Berlin.
Sitzungsberichte, Jahrg. 1898.
- Gesellschaft für Natur-und Heilkunde in Dresden.
Jahresbericht, 1897-1898.

- Gesellschaft für Pommersche Geschichte und Alterthumskunde,
Stettin.
Baltische Studien, Neue Folge, Bd. II., 1898.
- Historischer Verein zu Brandenburg a H.
29. und 30. Jahresbericht.
- Historischer Verein von Oberphalz und Regensburg.
Verhandlungen, 42. Bd., Neue Folge.
- Historical and Scientific Society of Manitoba, Winnipeg.
Annual Report for 1898.
Transactions, Nos. 53, 54.
- Manuel Gutierrez of Jalapa, Mexico.
Ensayo sobre la Electricidad de los Cuerpos.
- Albert Hoffmann, Milwaukee.
Chinese Book.
- Johns Hopkins University, Baltimore.
Circulars, Vol. XVIII., Nos. 137-141, 1898.
- Instituto Físico Geográfico Nacional de Costa Rica, San José.
Anales, Tomo VII., 1894, 1896-1898.
- Iowa Geological Survey, Des Moines.
Annual Report, 1897, 1898.
- Kgl. Botanische Gesellschaft in Regensburg.
Denkschriften, VII. Bd., Neue Folge, I. Bd.
- Kgl. Preussische Akademie der Wissenschaften, Berlin.
Sitzungsberichte, XXIX., 1898.
- Kgl. Sächsische Gesellschaft der Wissenschaften, Leipzig.
Berichte über die Verhandlungen, Math.-Phys. Classe.
50. Bd., I-V., 1898.
51. Bd., I-III., 1899.
- K. K. Geologische Reichsanstalt, Wien.
Jahrbuch, 1898. 48. Bd., Heft 1, 2.
Verhandlungen, Nos. 9-18, 1898.
" Nos. 1-8, 1899.
- Kais. Leop. Carol. Deutschen Academie der Naturforscher, Halle a. S.
"Leopoldina," 34. Heft, Jahrg. 1898.
- Kongl. Vitterhets Historie och Antiquitets Akademien, Stockholm.
Monadsblad, 1895.
- Krajowe Towarzystwo Rybackie, Krakowie.
Okolnik 31-36.
- Carl Geo. Kuhn, Milwaukee.
Phraseologica Arglo Germanica, 1798.
- Kurländische Gesellschaft für Literatur u. Kunst, Milan.
Sitzungsberichte, 1898.

- Madras Government Museum, Madras.
Administration Report, 1897-1898.
Bulletin, Vol. II., No. 2, 1898.
- Märkisches Provinzial Museum, Berlin.
Verwaltungsbericht, 1897-1898.
- F. J. Mekeburg, Milwaukee, Wis.
Bible of 1655.
- Milwaukee Public Library, Milwaukee, Wis.
Quarterly Index of Additions, Vol. 7, No. 51.
- Mineralogisches Museum der Universität Bonn.
Mittheilungen, IX. Theil.
- Missouri Botanical Garden, St. Louis, Mo.
Annual Report, 1898.
- Misses Julia and Mary Lapham, Oconomowoc, Wis.
Transactions of the Wis. Agricultural Society, 1851-1859,
1873-1877.
- Deutscher Club, Milwaukee, Wis.
46 Vols. Government Reports.
- Montana State Library, Helena, Mont.
4th Biennial Report, 1897-1898.
- Museo Nacional de Costa Rica, San José.
Informe del primer semestre de 1898-1899.
- Museo Nacional de Buenos Aires.
Comunicaciones, Tomo I., No. 1, 2.
- Museo Nacional de Montevideo.
Anales, Tomo III., Fasc. IX., X., XI.
- Museum of Archæology and Ethnology, Cambridge.
10th to 14th Annual Report, 1894-1899.
- Museum of Fine Arts of Boston.
23d Annual Report, 1898.
- Museum für Naturkunde, Berlin.
Mittheilungen aus der Zoolog. Sammlung, I. Bd., II. Heft.
- Museum für Völkerkunde zu Leipzig.
21. Bericht.
- Museum Zoology, Cambridge.
33d Annual Report.
- Nassauischer Verein für Naturkunde, Wiesbaden.
Jahrbücher, Jahrg. 51., 1898.
- Natural History Society of Glasgow.
Transactions, Vol. V., Part II., 1897-1898.
- Natural History Society of New Brunswick.
Bulletin No. XVI., Vol. IV., Part I.

- Natural Science Association of Staten Island.
 Proceedings, Vol. VI., Nos. 19 and 20, 1898.
 " Vol. VII., Nos. 1-8, 1899.
- Naturforschende Gesellschaft in Basel.
 Verhandlungen, Bd. XII., Heft I.
- Naturforschende Gesellschaft in Danzig.
 Schriften, 9. Bd., 3. und 4. Heft, Neue Folge.
- Naturforschende Gesellschaft in Emden.
 82. Jahresbericht, 1896-1897.
 Kleine Schriften, XIX.
- Naturhistorische Gesellschaft zu Nürnberg.
 Abhandlungen, XI. Bd., Jahresbericht, 1897.
- Naturhistorisch-Medizinischer Verein zu Heidelberg.
 Verhandlungen, 1898.
- Naturhistorisches Museum in Klagenfurt.
 Festschrift, 1848-1898.
 Jahrbuch, 1899.
 Diagramme der magnetischen und meteorologischen Beobachtungen.
 "Carinthia" Mittheilungen.
- Naturhistorischer Verein der preussischen Rheinlande und Westfalens, Bonn.
 Verhandlungen, 55. Jahrg., 1. und II. Hälfte.
- Naturwissenschaftliche Gesellschaft "Isis," Dresden.
 Sitzungsberichte, Jahrg. 1898, January to July.
 " " 1898, July to December.
- Naturwissenschaftlicher Verein, Bremen.
 Abhandlungen, XVI. Bd., Heft I.
- Naturwissenschaftlicher Verein des Reg. Bez. Frankfurt.
 "Helios," 16. Bd.
- Naturwissenschaftlicher Verein, Hamburg.
 Verhandlungen, 1898, III. Folge, 4.
- Naturwissenschaftlicher Verein für Neu-Vorpommern und Rügen, Greifswald.
 Mittheilungen, 30. Jahrg., 1898.
- Naturwissenschaftlicher Verein zu Osnabrück.
 13. Jahresbericht, 1898.
- Naturwissenschaftlicher Verein zu Regensburg.
 Bericht, VI. Heft, 1896-1897.
- Naturwissenschaftlicher Verein für Schwaben und Neuburg, Augsburg.
 33. Bericht.

- Naturerkundig Genootschap Groningen.
98. Verslag, 1898.
- H. Nehrling, Milwaukee.
The "Wisconsin Naturalist," Vol. I., Nos. 6, 8-12, 1891.
Geographische Zeitschrift, I. Jahrg., 1. Heft, 1895.
The Journal of the Wilson Ornithological Chapter, 1893.
The Ornithologist and Botanist, Vol. I., Nos. 2-4, 1891.
The Wilson Bulletin.
Ornithologische Monatsschrift des Deutschen Vereins zum
Schutze der Vogelwelt.
- Nemzeti Museum, Budapest.
Termiszetrajzi Füzetec, Vol. XXI., Partes III., IV., 1898.
" " " " Vol. XXII., 1899.
- New England Zoological Club.
Proceedings, Vol. I., Pages 1-37.
- New York Academy of Sciences, New York.
Annals, Vol. X., 1897.
" Vol. XI., Part 2, 3, 1898.
" Vol. XII., Part I., 1899.
- New York State Museum, Albany.
Bulletin, Vol. IV., No. 19.
" Vol. V., Nos. 20-23.
49th Annual Report for 1895, Vol. II.
- Niederrheinische Gesellschaft für Natur-und Heilkunde, Bonn.
Sitzungsberichte, 1897.
- Nova Scotian Institute of Science, Halifax.
Proceedings and Transactions, Vol. IX., Part IV.
- Numismatic and Antiquarian Society of Montreal.
Journal, III. Series, Vol. I., No. 3.
- Observatorio Astronomico Nacional de Tacubaya.
Año XIX., 1899.
- Ornithologischer Verein, Stettin.
Zeitschrift für Ornithologie und practische Geflügelzucht.
Jahrg. XXII., Nos. 9-12, 1898.
" XXIII., Nos. 1-5, 1899.
- Observatorio Astronomico Nacional de Tacubaya, Mexico.
Boletin.
- Peabody Museum, Cambridge.
Archæological and Ethnological Papers, Vol. I., Nos. 1-6.
Memoirs, Vol. I., Nos. 1-4.
- Physikalisch-medicinische Societät, Erlangen.
Sitzungsberichte, 30. Heft, 1898.

- Physikalischer Verein zu Frankfurt a. M.
Jahresbericht, 1896-1897.
- Physikalisch-Ökonomische Gesellschaft, Königsberg.
39. Jahrg., 1899.
- H. L. Preston, Rochester, N. Y.
San Angelo Meteorite.
- Red Cross Relief Committee, Washington.
Committee Reports, May, 1898, to March, 1899.
- Royal Irish Academy, Dublin.
Proceedings, Third Series, Vol. V., Nos. 1, 2.
Transactions, Vol. XXXI., Part VII.
- Schlesische Gesellschaft für vaterländische Cultur, Breslau.
75. Jahresbericht, 1897.
- Smithsonian Institution, Washington, D. C.
Annual Report to July, 1896.
" " to July, 1897.
- Sociedad Científica Argentina, Buenos Aires.
Anales, Tomo XLVI., Entrega I.-VI., 1898.
" " XLVII., " " 1899.
- Société D'Histoire Naturelle de Macon.
Bulletins, Nos. 8-12, 1898.
- Société Entomologique de France, Paris.
Bulletins, 13-21, 1898.
" " 1-12, 1899.
- Société Imperiale des Naturalistes de Moscow.
Bulletin, Nos. 3, 4, 1897.
" " No. 1, 1898.
- Société de Physique et D'Histoire Naturelle, Geneve.
Compte Rendu des Séances, XV., 1898.
- Société des Sciences Naturelles de Neuchatel.
Bulletins, Tomo XXI. to XXV., 1892-1897.
- South African Museum, Cape Town.
Annals, Vol. I., Part I., II.
Report for 1898.
- St. Gallische Naturwissenschaftliche Gesellschaft St. Gallen.
Bericht, 1896-1897.
- Stavanger Museum, Stavanger.
Aarsberetning for 1897.
- Steiermärkisches Landesmuseum "Johanneum," Graz.
87. Jahresbericht, 1898.

- Tromso Museum, Tromso.
 Aarshefter, 19, 1896.
 Aarsberetning, 1895, 1896.
- The Journal of Comparative Neurology, Granville, Ohio.
 Journal, Vol. VIII., Nos. 3, 4, 1898.
 " Vol. IX., Nos. 1, 2, 1899.
- U. S. Bureau of Education, Washington.
 Report of the Commissioner, 1896-1897, Vol. II., Part II., III.
- U. S. Coast and Geodetic Survey, Washington.
 Report of the Superintendent.
- U. S. Department of Agriculture, Washington, D. C.
 Bulletins, Nos. 9, 10, 11.
 6th and 7th Annual Reports of the Bureau of Animal
 Industry, 1889-1890.
 North American Fauna, No. 15.
- U. S. Department of the Interior, Washington.
 Statistical Atlas of the U. S., based upon results of the
 Eleventh Census.
- U. S. Geological Survey, Washington, D. C.
 Bulletins Nos. 87-89, 150-155.
 Monograph, Vol. XXX.
 Typographic Atlas of the U. S.
 Geologic Atlas of the U. S., Pueblo Folio, Colorado.
 " Downieville Folio, California.
 " Butte Special Folio, Montana.
 " Truckee Folio, California.
 " Wartburg Folio, Tennessee.
 " Sonora Folio, California.
 " Nueces Folio, Texas.
 " Bidwell Bar Folio, California.
 " Tazewell Folio, West Virginia.
 " Boise Folio, Idaho.
- 18th Annual Report, 1896-1897.
- U. S. National Museum, Washington.
 Proceedings, Vol. XX., 1898.
 Bulletin, No. 47, Part II., III.
- U. S. War Department, Washington, D. C.
 "The War of the Rebellion," Ser. II., Vo's III., IV., V., VI.
- University of Pennsylvania, Philadelphia.
 Mercer, Hy. C. The Finding of the Remains of the Fossil
 Sloth at Big Bone Cave, Tenn.
 Cushing, F. H. A Preliminary Report on the Exploration of
 Ancient Key-Dwellers, etc.

- Verein der Aerzte in Steiermark, Graz.
Mittheilungen, 35. Jahrg., 1898.
- Verein für Erdkunde zu Darmstadt.
Notizblatt, IV. Folge, 19. Heft.
- Verein für Erdkunde, Leipzig.
Mittheilungen, 1898.
- Verein der Freunde der Naturgeschichte in Mecklenburg.
Archiv des Vereins, 51. Jahrg., 1897.
" 52. " 1898.
" 53. " 1899, I. Abthlg.
- Verein für Lübeckische Geschichte und Alterthumskunde, Lübeck
Bericht, 1898.
- Verein für Geschichte und Alterthumskunde, Hamburg.
Mittheilungen, 6. Heft.
- Verein zur Verbreitung naturwissenschaftlicher Kenntnisse in Wien.
Schriften, 38. Bd., 1897-98.
- Verein für Naturkunde zu Kassel.
Abhandlungen und Bericht XXXIII., 1897-1898.
- Videnskabs Selskabets, Christiania.
Oversigt over Videnskabs Selskabets Moder i 1898.
Forhandlinger, 1898, No. 6.
Skrifter, Nos. 11, 12.
- Charles Weiler, Milwaukee.
Livii Historiæ, 1578.
- Westfälischer Provinzial Verein für Wissenschaft u. Kunst, Münster.
26. Jahresbericht, 1897-1898.
- Wisconsin Academy of Sciences, Arts and Letters, Madison.
Transactions, Vol. XII., Part I., 1898.
- Wisconsin Geological and Natural History Survey, Madison.
Bulletins Nos. 1 and 2, 1898.
- Zoological Society of Philadelphia.
27th Annual Report.

ACQUIRED BY PURCHASE.

- Ernst Haeckel. Kunstformen der Natur, 1. and 2. Lieferung.
- W. J. Holland. The Butterfly Book. A Popular Guide to a
Knowledge of the Butterflies of N. A.
- Prof. Fried. Ratzel. The History of Mankind. Vol. I.-III.
- Paul Daxsel. Eight Years Among the Malays.
- John W. Cadby. The Fisheries Exhibition Literature.
Vol. 1-13, 1884.

- Dr. A. F. W. Schimper. Pflanzengeographie auf Physiologischer Grundlage, 1898.
- A. Heyne. Die exotischen Käfer. Liefg. 1-8.
- H. E. Parkhurst. How to name the Birds. 1898.
- H. Zippel. Ausländische Kulturpflanzen, Wandtafeln und Text, III. Abthlg.
- John Hy. Comstock. A Manual for the Study of Insects. 2d Edition.
- Dr. Paul Knuth. Handbuch der Blütenbiologie. I. Bd., II. Bd., 1 Theil.
- H. v. Heinemann. Fr. Berges Schmetterlingsbuch. Lieferung 1-5.
- Baird, Cassin & Lawrence. The Birds of North America. 2 Vols. Text and Plates.
- Dr. G. Berthold. Untersuchungen zur Physiologie der Pflanzlichen Organisation. I. Theil.
- Alfred Newton. A Dictionary of Birds.
- Catalogue of Birds in the British Museum. Vol. XXVI., 1898.
- A. Engler and K. Prantl. Die natürlichen Pflanzenfamilien. Nos. 175-183.
- Supplement zur 2. und 3. Auflage von Andree's Handatlas. 1899.
- A. Scobel. Geographisches Handbuch zu Andree's Handatlas. 1899.
- "Science." Vol. VIII., Nos. 192-213.
Vol. IX., Nos. 214-237, 240-242.
- "Psyche." Vol. VIII., Nos. 269-280.
- "The American Naturalist." Vol. XXXII., Nos. 380-385.
Vol. XXXIII., Nos. 386-392.
- "Die Natur." Nos. 34-52, 1898.
Nos. 1-33, 1899.
- "Das Tierreich." Lieferg. 3-8.
- "Popular Science." Vol. XXXII., Nos. 10-12, 1898.
Vol. XXXIII., Nos. 1-9, 1899.
- Journal of the New York Entomological Society.
Vol. VI., Nos. 3 and 4, 1898.
Vol. VII., Nos. 1 and 2, 1899.
- "The Auk." Vol. XV., No. 4, 1898.
Vol. XVI., Nos. 1-3, 1899.
- "The Kansas University Quarterly." Vol. VII., No. 4, 1898.
Vol. VIII., Nos. 1-2, 1899.

- "The Asa Gray Bulletin." Vol. VI., Nos. 1-6, 1898.
Vol. VII., No. 1, 1899.
- "The Osprey." Vol. II., No. 10, 1898.
Vol. III., No. 1, 1899.
- "The Botanical Gazette." Vol. XXVI., Nos. 3-6, 1898.
Vol. XXVII., Nos. 1-6, 1898-1899.
Vol. XXVIII., No. 1, 1899.
- "The American Archæologist." Vol. II., Parts 9-12, 1898.
Vol. III., Part 1, 1899.
- "Naturwissenschaftliche Rundschau."
XIV. Jahrg., Nos. 1-31, 1899.

Laws of Wisconsin Concerning the Public Museum.

(330, A.)

(Published April 13, 1882.)

CHAPTER 329.

AN ACT relating to the Natural History Society of the City of Milwaukee.

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

Section 1. The board of directors of the Natural History Society of the City of Milwaukee is hereby authorized and empowered, in the name of said association or society, to assign, transfer and convey to the City of Milwaukee, all and singular, the natural historical collections of every kind constituting the Museum belonging to said Natural History Society, in trust, to be kept, supported and maintained by said city, as a free Museum for the benefit and use of all citizens of said city; provided, the said city shall accept the trust and assume the care and maintenance of such Museum.

Sec. 2. This act shall take effect and be in force from and after its passage and publication.

Approved March 31, 1882.

(No. 329, A.)

(Published April 14, 1882.)

CHAPTER 328.

AN ACT to authorize the City of Milwaukee to establish and maintain a Public Museum in said city.

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

Section 1. The City of Milwaukee is hereby authorized to receive and accept from "The Natural History Society of Wisconsin"—a corporation located in the said City of Milwaukee—a donation of its collection of objects in Natural History and Ethnology, or of the greater part thereof, upon such conditions as may be agreed upon by and between said city and said society, subject, however, to the provisions of this act.

Sec. 2. In case of such donation and acceptance, said City of Milwaukee is hereby authorized and empowered to establish and maintain in said city a free Public Museum, exhibitions of objects in Natural History and Ethnology, and for that purpose to receive, hold and manage the collection so donated, and any devise, bequest or donation that may be made to said city for the increase and maintenance of such Museum under such regulations and conditions as are herein contained, or may be agreed upon by and between the donors and said city, or as may be hereafter provided in this act.

Sec. 3. The Museum established and maintained under this act shall be under the general management, control and supervision of a board of nine trustees, who shall be styled "The Board of Trustees of the Public Museum of the City of Milwaukee." Said Board of Trustees shall consist of the president of the School Board and the Superintendent of Schools of said city, *ex-officio*, of three members of the Common Council of said city, designated and appointed by the Mayor thereof, and of four residents and tax-payers of said city, to be appointed by the Mayor as herein provided. The first appointments of trustees by the Mayor under this act shall be

made within ten days after the formal acceptance by the Common Council of said city of a donation by said Natural History Society, as authorized in the first section of this act. Of the first three trustees appointed from the members of the Common Council of said city, one shall be appointed from the three-year class, one from the two-year class, and one from the one-year class of aldermen, and they shall serve as such trustees during their respective terms as such aldermen. And annually on the third Tuesday of April thereafter, at the expiration of the term of any such trustee, the Mayor shall appoint his successor for three years, from the aldermen then having three years to serve. In case any such trustee shall vacate the office of alderman before the expiration of his term, he shall at the same time cease to be a trustee under this act, and the Mayor shall appoint some other member of the Common Council of his class in his place for the balance of his term. In the appointment of the four remaining trustees and their successors, the Mayor shall prefer such persons as may be recommended for such appointment by said Natural History Society. Such four trustees first appointed shall, at the first meeting of the Board after their appointment, determine by lot their term of service, so that one of their number shall serve for one year, one for two years, one for three years, and one for four years from the third Tuesday of May next after the organization of such Board. And all vacancies shall be filled by like appointment of the Mayor for the remainder of the term, and annually on the third Tuesday of April a trustee shall be appointed by said Mayor in like manner for the term of four years, in place of the trustee whose term shall expire the following May. None of said trustees shall receive any compensation from the city treasury, or otherwise, for their services as such trustees. And no member of said Board of Trustees shall become, or cause himself to become interested, directly or indirectly, in any contract or job for the purchase of any matter pertaining to the Museum, or of fuel, furniture, stationery or things neces-

sary for the increase and maintenance of the Museum. Said trustees shall take the official oath, and be subject to the restrictions, disabilities, liabilities, punishments and limitations prescribed by laws as to aldermen in the said City of Milwaukee.

Sec. 4. The first meeting of said Board of Trustees for the purpose of organizing, shall be held on the third Tuesday of the month next following their appointment, and the City Clerk shall give at least one week's previous notice of the time and place of such meeting to each member of such Board in writing. At such first meeting said Board shall organize by the choice of one of their number as president to serve until the third Tuesday of May next following, and until his successor shall be chosen. The annual meeting of said Board shall be held on the third Tuesday of May in each year, and at such meeting a president shall be chosen from their number to serve for one year and until his successor shall be chosen.

Sec. 5. The Board of Trustees shall have general care, control and supervision of the Public Museum, its appurtenances, fixtures and furniture, and of the selection, arrangement and disposition of the specimens and objects appertaining to said Museum, and also of the disbursements of all the moneys appropriated for and belonging to the Museum fund, in the manner hereinafter provided. And the said Board shall adopt, and at their discretion modify, amend or repeal by-laws, rules and regulations for the management, care and use of the Public Museum, and fix and enforce penalties for their violation, and generally shall adopt such measures as shall promote the public utility of the Museum; provided, that such by-laws, rules and regulations shall not conflict with the provisions of this act.

Sec. 6. The Board of Trustees shall, at their first meeting, or thereafter as soon as practicable, and every five years thereafter, at an annual meeting, elect by ballot a person of suitable scientific attainments, ability and experience for custodian,

who shall so act and be *ex-officio* secretary of said Board of Trustees. The custodian first appointed shall hold his office for five years from the time of the first annual meeting, unless previously removed, and thereafter the term of appointment shall be for the term of five years, and the compensation of the custodian shall be fixed by said Board of Trustees. Said Board of Trustees shall also appoint such assistants and employes for said Museum as they may deem necessary and expedient, and shall fix their compensation. All vacancies in the office of custodian, assistants and other employes, shall be filled by said Board of Trustees, and the person so elected or appointed shall hold for the unexpired term.

Sec. 7. The custodian elected under this act may be removed from office for misdemeanor, incompetency or inattention to the duties of his office, by a vote of two-thirds of the Board of Trustees; the assistants and other employes may be removed by the Board for incompetency, or for any other cause.

Sec. 8. It shall be the duty of the Board of Trustees, within ten days after the appointment of the custodian and other salaried employes, to report and file with the City Comptroller a duly certified list of the persons so appointed, with the salary allowed to each, and the time or times fixed for the payment thereof, and they shall also furnish such comptroller with a list of all accounts and bills which may be allowed by said Board of Trustees, stating the character of the materials or service for which the same were rendered, immediately after the meeting of said Board at which such allowance shall be made. And said Board of Trustees shall also, on or before the first day of October in each year, make to the Common Council a report, made up to and including the 31st day of August of the said year, containing a statement of the condition of the Museum and of the additions thereto during the year, together with such information and suggestions as they may deem important, and such report shall also contain an

account of the moneys credited to the Museum fund, and expended on account of the same during the year.

Sec. 9. From and after the organization of the Board of Trustees under this act, the Common Council of said city shall levy and collect annually upon all the taxable property of the said city, at the same time and in the same manner as other city taxes are levied and collected by law, a special tax not exceeding one-tenth of a mill upon each dollar of the assessed value of said taxable property, the amount of which shall be determined by said Board of Trustees, and certified to the Common Council at the time of making their annual report to said Council, and the entire amount of said special tax shall be paid into, and held in, the city treasury, as a separate and distinct fund, to be known as the Museum fund, and shall not be used or appropriated, directly or indirectly, in any other purpose than for the maintenance and for the increase of the Public Museum, the payment of the salaries of the custodian, assistant and other employes of the Museum, the purchase of furniture, fixtures, supplies and fuel, and the incidental expenses of the Museum.

Sec. 10. The Board of Trustees shall erect, purchase, hire or lease buildings, lots, rooms and furniture, for the use and accommodation of said Public Museum, and shall improve, enlarge and repair such buildings, rooms and furniture; but no lot or building shall be purchased, erected or enlarged for the purpose herein mentioned, without an ordinance or resolution of the Common Council of said city, and deeds of conveyance and leases shall run to the City of Milwaukee.

Sec. 11. All moneys received by or raised in the City of Milwaukee for Museum purposes shall be paid over to the City Treasurer, to be disbursed by him on the orders of the president and secretary of the said Board of Trustees, countersigned by the City Comptroller. Such orders shall be made payable to the order of the persons in whose favor they shall have been issued, and shall be the only voucher of the City Treasurer for

the payments from the Museum fund. The said Board of Trustees shall provide for the purchase of specimens, supplies, fuel and other matters necessary or useful for the maintenance of the Museum; provided, however, that it shall not be lawful for said Board of Trustees to expend or contract a liability for any sum in excess of the amount levied in any one year for the Museum fund, on account of such fund.

Sec. 12. All moneys, books, specimens and other property received by the City of Milwaukee by device, bequest or gift, from any person or corporation, for Public Museum purposes, shall, unless otherwise directed by the donors, be under the management and control of said Board of Trustees; and all moneys derived from fines and penalties for violations of the rules of the Museum, or from any other source in the course of the administration of the Museum, including all moneys which may be paid to the city upon any policy or policies of insurance, or other obligation or liability, or on account of loss or damage to any property pertaining to the Museum, shall belong to the Museum fund in the city treasury, to be disbursed on the orders of the said Board of Trustees, countersigned by the City Comptroller, for Museum purposes in addition to the amount levied and raised by taxation for such fund.

Sec. 13. This act shall take effect and be in force from and after its passage and publication.

Approved March 31, 1882.

(No. 895, A.)

(Published April 15, 1887.)

CHAPTER 521.

AN ACT to amend Chapter 328 of the Laws of 1882, authorizing the City of Milwaukee to establish and maintain a Public Museum, and Chapter 7 of the Laws of 1878, to establish a Public Library in the City of Milwaukee.

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

* * * * *

Section 2. Hereafter all appointments of members from the Common Council for the Board of Trustees of the Public Museum of the City of Milwaukee, made by the Mayor of said city on the third Tuesday in April, shall be made from aldermen having two years to serve, and in case any person so appointed shall vacate his office of alderman before the expiration of his term, he shall thereupon cease to be a member of said Board of Trustees, and the Mayor shall appoint some other alderman of his class in his place to be such trustee for the remainder of his term. Each alderman appointed shall serve as such trustee during his term as alderman. It shall be the duty of the Mayor on the third Tuesday in April in each year to appoint a sufficient number of aldermen having two years to serve to be members of such Board of Trustees of the Public Museum, to keep the number of members of such Board from the Common Council always three.

All provisions of Chapter 328, of the Laws of 1882, which in any way conflict with the provisions of this section, are hereby amended accordingly.

Sec. 3. This act shall take effect and be in force from and after its passage and publication.

Approved April 14, 1887.

(No. 614, A.)

(Published April 20, 1887.)

CHAPTER 433.

AN ACT to amend Chapter 328, of the Laws of 1882, entitled
 "An act to authorize the City of Milwaukee to establish
 and maintain a Public Museum in said city."

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

Section 1. The Board of Trustees of the Milwaukee Public Museum are hereby authorized to appoint an acting custodian whenever the proper service of the Museum shall require it,

and for such time and on such terms as they may deem proper. Such acting custodian shall be *ex-officio* the acting secretary of said Board of Trustees, and his acts as such shall receive full credit. Said Board of Trustees are also authorized to appoint from time to time honorary curators, who shall perform such duties and have such special privileges as may be provided in the by-laws of the Museum, but shall receive no pecuniary compensation. Such appointments shall be made of persons who have manifested a special interest in the Museum or some particular department thereof.

Sec. 2. This act shall be in force from and after its passage and publication.

Approved April 12, 1887.

(No. 403, A.)

(Published April 3, 1897.)

CHAPTER 168.

AN ACT to authorize the levy of a tax by the Common Council of cities having a population of one hundred and fifty thousand or more, and authorized by law to establish and maintain a public museum therein.

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

Section 1. Whenever any city in this state shall have a population of one hundred and fifty thousand or more, and such city is therefore authorized by law to erect and maintain a public museum under the management and control of a Board of Trustees, it shall be competent for the Common Council of such city to annually levy and collect a tax upon all the taxable property of such city at the same time and in the same manner as other city taxes are levied and collected by law, a special tax not exceeding one-seventh of a mill upon each dollar of the assessed valuation of said taxable property, the amount of which said tax shall be determined by said Board of Trustees and certified to the Common Council and to the City Comp-

troller at the time of making their annual report to said Council; and the entire amount of said special tax shall be paid into and held in the city treasury as a separate and distinct fund to be known as the museum fund, and shall not be appropriated or used directly or indirectly for any other purpose than for the maintenance and for the increase of the Public Museum, the payment of the salaries of the custodian, assistants and other employes of the Museum, the purchase of furniture, fixtures, supplies and fuel and the incidental expenses of said Museum, which said salaries shall not be increased in any manner within two years from and after the passage and publication of this act.

Section 2. All acts or parts of acts contravening the provisions of this act are hereby repealed.

Section 3. This act shall take effect and be in force from and after its passage and publication.

Approved April 2, 1897.

RULES GOVERNING THE MUSEUM.

ARTICLE I.

MEETINGS.

RULE 1. The regular meetings of the Board shall be held at the Museum rooms on the third Tuesday of each month at 4:30 P. M.

RULE 2. The annual meeting of the Board shall be held on the third Tuesday of May at 4 P. M.

RULE 3. Special meetings shall be called by the Secretary upon the written request of the President, or any three members of the Board, but the object for which the special meeting is called must be stated in the notice, and no other business shall be transacted at such meeting, unless all the members of the Board are present, and unanimous consent is obtained.

RULE 4. Five members of the Board shall constitute a quorum.

ARTICLE II.

OFFICERS AND EMPLOYES.

RULE 5. At the annual meeting in May the Board shall elect by ballot a President, whose duty it shall be to preside at all meetings of the Board, to sign all warrants drawn on the City Treasurer by order of the Board, to appoint the Standing Committees for the year, and prepare for the consideration and approval of the Board the annual report of the Board of Trustees, required by Section 8 of the "Public Museum Act."

RULE 6. The duties of the Custodian shall be as follows:

Section 1. To take charge of and exercise control over the Museum and Library, and to see that the regulations relating thereto are properly carried out.

Sec. 2. To exercise control over all employes of the Board and the work allotted to them respectively.

Sec. 3. To receive all specimens intended for the Museum, and with the advice and assistance of specialists to classify, label, catalogue and arrange them as soon as possible.

Sec. 4. To receive all books and other articles intended for the Library, and to label and catalogue them.

Sec. 5. To take all precautions necessary for the good preservation of the collections, according to the means of the institution.

Sec. 6. To keep running records containing all necessary particulars concerning articles received or disposed of.

Sec. 7. To purchase specimens, books and other matter under the general direction of the Board.

Sec. 8. To inaugurate a system of exchanges with other natural history museums as soon as possible.

Sec. 9. To correspond with scientific societies and public authorities for the purpose of obtaining reports and other documents containing information relating to natural history.

Sec. 10. To submit from time to time to the Board or the respective committees, measures for the efficient management and increase of the Museum, and such other matters as he may deem advisable.

Sec. 11. To prepare and submit to the Board a monthly report in writing of the work done, and other matter of interest to the Board.

Sec. 12. To prepare and submit at the regular meeting in September an annual report of like contents for the preceding year ending August 31st, said report to accompany the annual report of the Board, required by Section 8 of the "Public Museum Act."

Sec. 13. To report at each regular monthly meeting any and all articles or specimens that are spoiled, decayed or in a decaying state, and present same to the Board.

Sec. 14. To discharge such other duties as usually belong to the office of Custodian, and from time to time be prescribed by the Board.

Sec. 15. But in the performance of his duties no debt or liability of any kind shall be incurred by him without authority from the Board.

Sec. 16. The Custodian shall be required to give a bond in the sum of one thousand dollars, with two or more sureties, to be approved by the Board, for the faithful performance of his duties.

Sec. 17. The Assistant Secretary shall be required to give a bond in the sum of one thousand dollars, for the faithful performance of his duties.

RULE 7. SECTION 1. It shall be the duty of the Custodian as Secretary of the Board of Trustees to be present at all meetings of the Board and of the committees, and to keep full and correct records of their proceedings, except when otherwise directed.

Sec. 2. To keep exact and detailed accounts of all moneys received from fines and other sources, to report the same monthly to the Board at the regular meetings, and to pay over all moneys so received promptly to the City Treasurer, as directed by the Board.

Sec. 3. To keep books of account, in which all the money transactions of the Board shall be set forth accurately in detail, and to make out and sign all warrants drawn on the City Treasurer by the order of the Board.

Sec. 4. To take care of all business papers of the Board and keep same neatly filed for convenient reference.

Sec. 5. To prepare and submit a monthly statement of the finances of the Museum at the regular monthly meetings.

Sec. 6. To prepare and submit at each monthly meeting a statement of his own absence from duty, and also all the absence of other employes or assistants.

Sec. 7. To give notice of all meetings of the Board and of committees at least twenty-four hours before the time of meeting.

Sec. 8. To receive all documents, letters and other communications addressed to the Board or Museum, and to see to their proper disposal by the proper officer or committee.

Sec. 9. To transact all such other business as may be required of him by the Board and its committees in his capacity as Secretary thereof.

Sec. 10. In the absence of the Custodian the Assistant Secretary shall perform the clerical duties incumbent upon the Custodian.

RULE 8. The janitor shall, under the direction of the Custodian, attend to the heating, ventilation and cleaning of the Museum in all its parts, and perform such work as may be assigned to him at any time by the Custodian. Scrub women and men shall work under the direction of the janitor, who shall keep correct time.

The other assistants shall work under the direction of the Custodian and perform such work as he may assign to them.

RULE 9. Section 1. Engagements of employes or assistants shall be made by the Executive Committee, subject to approval by the Board.

Sec. 2. All salaries of officers, employes or assistants shall be paid monthly, and the amount thereof fixed by the Board.

Sec. 3. No officer, employe or assistant shall be absent from his or her post of duty except for sickness or permission of the Custodian previously obtained.

Sec. 4. No officer, employe or assistant shall be entitled to extra pay for Sunday work or attendance at the Museum.

Sec. 5. No officer, employe or assistant shall solicit or lobby in the interest or behalf of any person being appointed to the Board of Trustees, under penalty of discharge.

RULE 10. Section 1. The Board shall have power to suspend or remove any employe or assistant for absence from duty

or inattention to the duties of his or her position or office. No employe or assistant shall receive any salary during the time of suspension from his position.

Sec. 2. No employe or assistant shall receive pay when not at work or performing duties for the Museum within the hours fixed by the Board.

Sec. 3. Any and all complaints against officers or employes shall be submitted in writing to the Board and may be referred to the Executive Committee for investigation. Such committee shall report its findings to the Board.

ARTICLE III.

COMMITTEES.

RULE 11. The Standing Committees shall be:

1. The Executive Committee, consisting of the President *ex-officio* and four other members of the Board.

2. The Finance Committee, consisting of three members of the Board.

3. The Committee on Exchanges, consisting of three members of the Board, to whom, with the Custodian, all applications for exchanges shall be referred for recommendation to the Board.

4. The Committee on Furniture, consisting of three members of the Board.

5. The Committee on Purchase, consisting of three members of the Board, to whom, with the Custodian, all matters of purchasing specimens shall be referred for recommendation to the Board. The Committee on Purchase shall have authority to expend from month to month in the interest of the Museum a sum not exceeding \$50.00.

6. The Committee on Rules, consisting of three members of the Board, of which the President shall be chairman.

RULE 12. The Natural History Society of Wisconsin may be invited to appoint five scientific persons from among their

members to act in an advisory capacity as a joint council, in conferences with the Executive Committee, such conferences to take place at such times as the Executive Committee may desire.

RULE 13. The Executive Committee shall have supervision of all matters relating to the purchasing, construction, leasing, repairing and heating of the buildings or rooms occupied by the Museum, and of insurance, the furnishing, order and cleanliness of the rooms and collections; the selection, purchase, preparation, and arrangement; provided, that in all such matters no action be taken involving an expenditure or liability greater than authorized by the Board. This committee may assign a suitable room to the Natural History Society of Wisconsin for holding their meetings and receiving their library. It shall be the duty of the committee to see that all persons employed in the service of the Museum are faithful and prompt in the performance of their duties, and that the regulations of the Museum are enforced.

RULE 14. The Finance Committee shall have the supervision of all matters pertaining to the accounts and account books of the Board. It shall be their duty to direct the manner of keeping and to examine all the account books; to examine the monthly and other financial statements of the Secretary and Custodian and certify the correctness of the same to the Board; to examine and audit all vouchers and accounts against the Museum, including itemized bill for incidentals; to report to the Board upon the correctness of the same, and to make such suggestions from time to time concerning the finances of the Museum as they may deem advisable. Said committee shall also, at the regular meeting in September each year, submit an estimate of the amount that will be needed for maintaining the Museum during the following year, and the action of the Board upon such estimates shall be forthwith certified by the Secretary to the Comptroller of the City of Milwaukee.

RULE 15. A majority of any committee shall constitute a quorum.

RULE 16. The reports of all Standing Committees shall be in writing.

ARTICLE IV.

MUSEUM AND LIBRARY.

RULE 17. Section 1. The Museum shall be conducted according to the intention of the "Public Museum Act" and the conditions made by the Natural History Society of Wisconsin in donating the "Engelmann Museum," with the following aim in view:

Sec. 2. The exhibition of natural history and ethnology, so as to provide material and help for scientific investigation and public instruction.

Sec. 3. The collections therein contained are to represent and illustrate as far as possible the natural history and natural resources of the city and county of Milwaukee and state of Wisconsin in the first order, and then of the United States and remainder of our planet for purposes of comparison and generalization.

Sec. 4. The Board may at its option insure the property of the Museum not exceeding 80 per cent. of its value.

Sec. 5. No objects in the collection can be loaned, and the removal of specimens from the rooms can not be permitted, except if sold or for the purpose of exchange or identification, and under proper authority from the Exchange Committee.

Sec. 6. All matters relating to the arrangement, preservation and use of the collection are under the immediate direction of the Custodian, subject to the supervision of the Executive Committee, who will give more detailed instructions if needed.

RULE 18. The library is to be considered a reference and working library. Its contents can not be loaned, but may be used for study or reference in the rooms during Museum hours under necessary restrictions.

ARTICLE V.

MISCELLANEOUS.

RULE 19. It shall be the duty of every member of the Board to frequently visit the Museum, and of the members of the Executive Committee to do so at least once every week for the purpose of general superintendence and direction.

RULE 20. Section 1. Honorary curators shall have the right during Museum hours to visit the rooms of officers and employes.

Sec. 2. Such curators shall have the right to be present at the monthly meetings of the Board, and to lay before the Board such matters as they may deem of interest to the Museum.

Sec. 3. Such curators shall be permitted, under the supervision of the Custodian, to do any work which they deem necessary and proper, but no charge shall be made for such work.

Sec. 4. No honorary curator shall be eligible for the position of salaried officer or employe of the Museum until he has tendered his resignation as such curator of the Board.

RULE 21. No change in the salary of any officer or employe shall be made except by a majority vote of the whole Board.

RULE 22. The term of service of all the employes of the Museum, except the Custodian, shall be during good behavior. They shall only be removed for cause, of which the Board shall be the exclusive judge.

RULE 23. The records of the proceedings of the Board of Trustees and its committees, and the books of account, shall be kept in the Secretary's office, and shall be open at all times to inspection and examination by any member of the Board.

ARTICLE VI.

ORDER OF BUSINESS.

RULE 24. The order of business of the Board of Trustees, except at special meetings, shall be as follows:

1. Calling the roll.
2. Reading minutes of previous meeting.
3. Report of Custodian and Secretary.
4. Report of Standing Committees.
 - a. Executive Committee.
 - b. Finance Committee.
 - c. Purchasing Committee.
 - d. Furniture Committee.
 - e. Exchanging Committee.
 - f. Building Committee.
 - g. Rules.
5. Report of Special Committees.
6. Reading of communications.
7. Unfinished business.
8. New business.
9. Election of officers.

RULE 25. All resolutions and amendments before the Board or any committee shall be presented in writing.

RULE 26. All persons employed at the Museum must be promptly at their posts, as directed, and must remain there during the hours of their regular duty. They will remember that their time while in the Museum should constantly be occupied in its service, and it is the duty of the custodian and the Executive Committee to enforce this rule.

RULE 27. No amendments to the rules of the Board or the regulations of the Museum shall be acted upon until the next regular meeting after the same shall have been proposed.

REGULATIONS.

The Museum will be open—

On Sundays, from 1:30 to 5 P. M.

On Saturdays, from 9 to 12 A. M. and 1 to 5:30 P. M.

On all other days of the week, from 1 to 5:30 P. M., except Monday, when the Museum shall be closed to visitors.

Visitors are admitted on condition that they observe the following regulations:

Section 1. Any person of good deportment can be admitted during the hours named above. Children less than twelve years of age will be admitted only if accompanied by parents, teachers or other responsible adults. Dogs or other live animals will not be admitted.

Sec. 2. Admission is free. Employes of the Museum are forbidden, under penalty of discharge, to receive fees from visitors.

Sec. 3. The removal of books, specimens or any other object belonging to the Museum from any of the rooms, is strictly prohibited.

Sec. 4. The use of tobacco, and all conduct not consistent with the quiet and orderly use of the Museum, are prohibited.

Sec. 5. Visitors are not allowed to touch any specimens or cases containing same.

Sec. 6. Visitors will be held responsible for any mutilation or other injury to specimens, books, furniture or other property of the Museum caused by them.

Sec. 7. The time for closing will be announced by three bell signals ten minutes previous to the appointed hour.

OFFICE HOURS OF EMPLOYES.

Custodian, from 9 to 12:30 and 2 to 5:30 P. M.

Assistant Secretary, from 8 to 11 A. M. and 12:30 to 5:30 P. M.

Taxidermist, from 8 to 12 A. M. and 1:30 to 5:30 P. M.

Assistant taxidermists, from 8 to 12 A. M. and 1:30 to 5:30 P. M.

All other employes and attendants from 8:30 to 12 A. M. and 1 to 5:30 P. M.

Janitor, from 7 to 11:30 A. M. and 1:30 to 6 P. M.



