

27  
PROCEEDINGS  
AT THE  
ANNUAL MEETING  
OF THE  
NATURAL HISTORY SOCIETY  
OF  
MONTREAL,

FOR THE YEAR ENDING MAY, 1865:

WITH

*A List of the Officers, Life, Ordinary, Honorary, and Corresponding  
Members of the Society.*

---

MONTREAL:  
PRINTED BY JOHN LOVELL, ST. NICHOLAS STREET.  
1865.

NAT

3 Hist o

PR

PROCEEDINGS

AT THE

ANNUAL MEETING

OF THE

NATURAL HISTORY SOCIETY

OF

MONTREAL,

FOR THE YEAR ENDING MAY, 1865:

WITH

*A List of the Officers, Life, Ordinary, Honorary, and Corresponding  
Members of the Society.*

---

MONTREAL:

PRINTED BY JOHN LOVELL, ST. NICHOLAS STREET.

1865.

The  
the e  
the c  
the m  
-annua

GE  
of the  
congra  
our u  
as one  
twenty  
have b  
lished  
our Ar  
additio  
been m  
establis  
been m  
of our c

In G  
Among  
papers  
of fossi  
While  
attentio  
mineral  
this cov  
position  
-deposite

## PROCEEDINGS.

---

The annual meeting of this Society was held at its rooms on the evening of May 18th, the President, Principal Dawson, in the chair. Mr. J. F. Whiteaves, the Recording Secretary, read the minutes of the last annual meeting; after which the usual annual address of the President was delivered, as follows:—

### THE PRESIDENT'S ADDRESS.

GENTLEMEN:—In the midst of the many exciting occurrences of the past year, we have reason for thankfulness and mutual congratulation that we have been enabled to pursue in peace our unobtrusive work, and that we have to record the past as one of the most successful years of this Society. More than twenty original papers on various departments of Natural History have been contributed, the greater part of which have been published in our Journal. Our course of Sommerville Lectures and our Annual Conversazione have been eminently successful. Large additions have been made to our Museum, and much progress has been made in its arrangement. An Entomological club has been established in connection with the Society, and arrangements have been made for retaining for another term of two years the services of our efficient scientific curator, Mr. Whiteaves.

In Geology many important communications have been received. Among these I may particularly mention, in the first place, several papers by Dr. Hunt on Canadian lithology, on the Silicification of fossils, on mineral waters and on the economical uses of peat. While all of these are of great value, I may direct particular attention to the very remarkable facts stated in the paper on mineral waters, in relation to the saline springs, so abundant in this country, when regarded as affording evidence of the composition of that primeval ocean in which our Silurian beds were deposited. As treated by Dr. Hunt, mineral springs cease to be

merely objects of curiosity or for medicinal use, but acquire great geological interest, as indications of conditions of the ocean which have long since passed away, but which may have had an important influence on animal life and mineral accumulation in the Palaeozoic period; and also as illustrations of the causes of chemical change now in action in the crust of the earth.

The remarkable discovery by Mr. Billings of locomotive organs probably of the nature of swimming feet, in *Asaphus platycephalus*, read before the Society, but not yet published, deserves to be reckoned as one of the most important facts developed in connection with Canadian Geology in the past year. As an addition to this discovery, I may place the view which I presented to this Society, in a paper on the fossils known as *Rusophycus*, that these are in reality casts of burrows of Trilobites, and entitled to the name *Rusichnites*.

In my address of last year I dwelt at some length on the question of the mode of formation of the boulder clay, and on the alleged action of glaciers in the post pliocene period; and stated my reasons for the belief that floating ice was the agent in the striation of rock surfaces, and the transport of boulders in Canada; and that our lake basins had been eroded by the slow action of cold ocean currents. I have since followed up this subject, and in a paper on the Post pliocene deposits of Riviere du Loup, have endeavoured to show the true marine character of the boulder clay of that locality, so rich in fossil shells of the post-tertiary period. I have also obtained facts which prove conclusively that the boulder clay of Montreal and its vicinity, could not possibly have been sub-aerial, and that throughout Eastern Canada this deposit does not form a continuous sheet, but rather a series of old sea margins extending from an elevation of two or three hundred feet above the sea to the present sea level, and in time from the newer Pliocene period to the present day.

Lastly, under the head of Geology, but passing from the latest formations to the far distant dawn of organic life on our planet, our last number contains the re-publication of papers by Sir W. Logan, Dr. Carpenter, Dr. Hunt, and myself, on *Eozoon Canadense*, shewing that the views which I illustrated here a year ago,

of the  
by the  
the sp  
been a  
Geolog  
Befo  
the util  
has bee  
specime  
Mr. W  
Amo  
Physica  
mention  
of Nova  
History  
rapæ; c  
on the T  
Mr. Me  
Geograph  
dian Tin  
Whiteav  
ture of I  
contribut  
other bot  
logical cl  
have filled  
collection  
city.  
It is pr  
completion  
and on th  
improved  
to our col  
Survey; a  
exertions.  
has now er  
the volum

of the character of that remarkable fossil, have been fully confirmed by the greatest living authority on the group of animals to which the specimens were assigned, and that this great discovery has been accepted as an unquestioned fact by all the leading minds in Geology.

Before leaving this part of our work, it is proper to state that the utility of our collection to students of Geology and Mineralogy has been much increased by the arrangement and display of our specimens of fossils, rocks and minerals, through the exertions of Mr. Whiteaves, aided by other members of the Society.

Among the numerous papers received on Zoölogy, Botany and Physical Geography, I may, without attempting any detailed notices, mention those of Mr. Jones on Ocean Drift, and on the fishes of Nova Scotia, communicated to our Journal by the Natural History Society of New Brunswick; of Mr. J. G. Bowles on *Pieris rapæ*; of Dr. Bowerbank on Canadian Sponges; of Prof. Brunet on the Travels of Michaux; of Prof. Lawson, Prof. Eaton, and Mr. McCord on Canadian Ferns; of Mr. Drummond on the Geographical Botany of Canada; of Hon. Mr. Sheppard on Canadian Timber trees; of Mr. Vennor on the Night Heron; of Mr. Whiteaves on Canadian Mammals; of Mr. Ritchie on the structure of Insects; and lists of plants of various localities in Canada contributed by Dr. Thomas, Mr. Drummond, Mr. Macoun, and other botanists. We owe also to the gentlemen of the Entomological club our cordial thanks for the generous donations which have filled our cabinet of insects with one of the most valuable collections of entomological specimens as yet accumulated in this city.

It is proper, on this occasion, to congratulate the Society on the completion of the first series of its Journal, the Canadian Naturalist, and on the commencement of the second volume of a new and improved series. The inception of the Canadian Naturalist is due to our colleague Mr. Billings, the palæontologist of the Canadian Survey; and the first volume was ably sustained by his unaided exertions. Adopted by the Natural History Society in 1857, it has now entered on its tenth year of publication, and contains in the volume already published a mass of information on the Natural

History of British America, indispensable to every student of the subject. It has established its reputation wherever science is cultivated, and is now a recognized medium of communication between Naturalists in Canada and in foreign countries. It is only to be regretted, both for the sake of the interests of science and of the publishers of the work, who have heretofore issued it without any expense to the Society or any public aid, that it should not be more extensively circulated. When we consider the difficulties experienced by scientific periodicals both in Britain and the United States, it is not surprising that a scientific journal in Canada should be slenderly supported. Still I think that, if the value of the articles contained in the *Naturalist*, and the importance of sustaining it, were properly understood, its subscription list would be largely increased. I earnestly commend this matter to the attention of members of the Society. It will be proposed in connection with this, in the Report of the Council, that a new class of members should be created in connection with the Society, namely, non-resident ordinary members, who should pay a subscription equivalent to that for the *Naturalist*, and should enjoy the advantages of the meetings and museum of the Society, during any visits they might make to the city. In this way I have no doubt that something might be done toward the introduction of a taste for Natural History, as well as toward the extension of the circulation of the "*Naturalist*." It is to be hoped that these subjects will receive the early attention of the officers of the Society.

In conclusion, gentlemen, allow me to say that in cultivating here the amenities of science, and directing our attention and that of others to the works of God, we are in our humble way doing something for the welfare of this country. We are seeking to mingle the pursuit of merely utilitarian objects in the development of the resources of this country, with higher and more philosophical conceptions of nature. In the midst of many perturbed social and political elements, we are studying things that make for peace, and which are for the common benefit of all: While we are so constantly drawing closer the links of connection between ourselves and kindred institutions in other parts of the great empire to which it is our happiness to belong; and while, in common I believe with

all sci  
it is abo  
ally help  
that em  
Great B  
at the s  
apprecia  
more es  
numeros  
have alw  
brotherh  
every cou

In nov  
desire, y  
express n  
me from  
my earne  
since it e  
building,  
future.

The C  
the follow

Your C  
of the pa  
not been  
depression  
hand ther  
has not  
several na  
to belong

The de  
interest.  
should rep  
bers, H. I

all scientific men and educators in British America, we feel that it is above all things desirable that still more intimate and mutually helpful relations should be established with the good heart of that empire, so that the political, social, and scientific power of Great Britain may be more strongly felt in these colonies, we can at the same time extend the most earnest sympathy and lively appreciation to the labors of scientific men in other lands, and can more especially ally ourselves in the closest manner with our numerous and able fellow workers in the United States, who have always been so ready to recognize in our case that bond of brotherhood which should unite all the cultivators of science in every country.

In now resigning the office with which, contrary to my own desire, you have honored me twice in succession, I have only to express my regret that the pressure of other duties has prevented me from devoting more time to the interests of this Society, and my earnest wish that its prosperity in the past, and more especially since it entered on an enlarged career of usefulness in its new building, may prove an earnest of still greater success in the future.

The Chairman of the Council (Mr. A. Rimmer) then submitted the following :—

#### REPORT OF THE COUNCIL.

Your Council beg to offer the following report of the proceedings of the past year. They regret to say that even the Society has not been quite free from the effects of the general commercial depression. The number of new members is fourteen, but on the other hand there have been many resignations. The list of members has not been revised for some years, and on careful scrutiny several names have been removed, of whom many have long ceased to belong to the Society.

The debt upon the building is still \$2400, bearing annual interest. The number of ordinary members is about 220, which should represent an income of about \$880; and two new life members, H. Fraser, Esq. and John Molson, Esq., have been added.

This is, of course, exclusive of the government grant, which has not been received so far, but your Council have every reason to believe it will be when Parliament meets. We are again indebted to our treasurer, James Ferrier, Esq., for the liberality with which he has come forward and advanced money to liquidate the more pressing claims. The Society owes him now \$190, and the other claims against it are about \$300 for current expenses. Mr. Ferrier, by a system of cash payment for advertising, printing, and other items, has been able to reduce the expenditure from \$2100 to \$1700. The price charged for letting the lecture room has been reduced to \$6, and for the use of the library to \$2 per evening.

Your Council would suggest, as a means of improving the income of the Society, that a new class of members might be introduced,—non-resident paying members, who might have all advantages of the Society when they visit the city; and as they cannot attend our meetings, a copy of the *Naturalist* might be sent to their address. This would also give us the advantage of being in constant communication with the residents of country places, from whom specimens of interest to the Society might be procured.

#### PUBLIC LECTURES.

The Somerville lectures this year have been extremely interesting; their subjects were as follows:

February 16th, 1865. On the Oldest Fossil known and its living representatives: by Principal Dawson, LL.D., F.R.S., &c.

March 2nd, 1865. On the Occurrence of Metals in Nature: by Dr. T. Sterry Hunt, M.A., F.R.S., &c.

March 9th, 1865. Shells, considered from a popular and from a literary point of view: by J. F. Whiteaves, F.G.S.

March 16th, 1865. On Ferns: by D. R. McCord, B.A.

March 21st, 1865. On Certain Chemical Manufactures which might be advantageously introduced and carried on in Canada: by Prof. Bell, F.G.S.

March 28th, 1865. On Combustion, illustrated with experiments: by Dr. Girdwood.

The  
ning o  
400 pe  
Mes  
Rimme  
and ex  
cipal D  
many e  
buted h  
a very  
F. Whi  
birds, a  
shewing  
explaine  
working  
Telegra  
permissi  
evening  
Dawson  
of \$66.0

It is a  
vices of  
first of A  
sum he v  
the corre  
An al  
the ordi  
from the  
Council o  
only for t  
times inv  
Mr. W  
librarian,  
museum  
successor

## CONVERSAZIONE.

The Annual Conversazione of the Society was held on the evening of February 21st, and was unusually successful, upwards of 400 persons being present.

Messrs. F. Cundill, A. S. Ritchie, Jas. Ferrier, Jun., Thos. Rimmer, D. R. McCord, and Principal Dawson, kindly contributed and exhibited microscopes and microscopical preparations. Principal Dawson exhibited De La Rue's photographs of the moon and many examples of Eozoon Canadense. Mr. D. R. McCord contributed his fine collection of Canadian ferns, and Mr. R. J. Fowler, a very meritorious series of drawings of Canadian fishes. Mr. J. F. Whiteaves exhibited a collection of the eggs of North American birds, and many rare and interesting exotic shells. Experiments shewing the rotation of the earth on its axis were conducted and explained by Dr. Smallwood. Illustrations were given of the working of the Electric Telegraph, and of the Montreal Fire Alarm Telegraph. The band of the 63rd regiment was in attendance, by permission of the commanding officer, Col. Carter. During the evening an address was delivered by the President, Principal Dawson. Notwithstanding the low charges for admission, the sum of \$66.05 was realized, after paying the necessary expenses.

## MISCELLANEOUS.

It is a matter of congratulation that we have secured the services of Mr. Whiteaves for two years longer, commencing from the first of April, 1865, at a salary of \$400 per annum; and for this sum he undertakes to edit the Naturalist, if necessary, to conduct the correspondence, and to act as sub-Librarian.

An alteration was made in September, as to the place where the ordinary meetings are held, and they have been transferred from the library, which was too small, to the lecture room; and your Council congratulate you that the accommodation is sufficient not only for the ordinary members, but for their friends, who are at all times invited to attend.

Mr. Whiteaves will give, in his capacity of curator and sub-librarian, an account of the alterations in and additions to the museum and library. Your Council respectfully urge upon their successors the desirability of adding to our members as far as pos-

sible. There are so many advantages that we can offer to the public, and such facilities afforded for studying Natural History in the city and its vicinity, that we believe the Society requires to be more generally known than it is at present. There are many inhabitants of Montreal who never saw the inside of the museum; and it might be worth while to consider how far it could be thrown open to the public on certain occasions, free of charge, as is done in kindred institutions in Great Britain.

They are also, in conclusion, glad to find that more enlightened views are prevalent with regard to the protection of small birds; this is partly owing to the representations made by our Society, and in part to the efforts of the Fish and Game Protection Club, with whom we cannot too cordially co-operate.

Mr. Whiteaves then read an account of the work done in the Museum during the past year, and made a short report on the state of the Library, both of which are subjoined.

#### REPORT OF THE SCIENTIFIC CURATOR AND SUB-LIBRARIAN

FOR THE SESSION 1864-65.

The most important work of the past summer has been the formation of a good entomological collection. Nearly all the old Canadian specimens which had become injured, and faded by exposure, have been replaced by fresh examples. By the exertions of friends our local collections have more than doubled lately; not only have we filled the twenty-six drawers of our cabinet, but we have four cases full over and above these. As much has been done in the way of naming and classifying our specimens as the present state of our knowledge of Canadian insects warrants. The Coleoptera and the diurnal Lepidoptera are for the most part named. Many of the nocturnal Lepidoptera and most of the Hymenoptera, Diptera, Neuroptera, Orthoptera, and Hemiptera of this country have yet to be determined. It is hoped that with the assistance of the Entomological branch of our Society, some steps may be taken in this direction. The large and interesting collection of minerals contained in the museum has occupied a considerable portion of

my time  
have b  
Several  
been re  
several  
rison, th  
various  
collectio  
illustrat  
dian geo  
about 2  
packages  
other m  
great in  
attached  
spelt. S  
diate nei  
the exac  
some of  
380 spec  
two last  
now, occ  
number  
and plac  
number  
cates and  
The num  
named a  
summed

Dr.  
Ca  
Ro  
Mis

Some  
are mostly  
The se

my time. A number of cases that have not been opened for years, have been unpacked, and their contents carefully looked over. Several specimens that were missing in Dr. Holmes' collection, have been restored to their place, and labelled. Including these, and several specimens placed in this collection for the sake of comparison, the series now consists of upwards of 1400 specimens from various parts of the world, all of which are carefully labelled. A collection of Canadian rocks and minerals has been formed to illustrate the prominent features of the lithological part of Canadian geology. A number of new specimens has been procured, and about 200 rocks and minerals are now named and exhibited. Two packages were found to contain a series of the rocks, lavas, and other minerals of Vesuvius and its neighborhood, a collection of great interest, and containing many fine specimens. The labels attached to these were written in Italian, and thus incorrectly spelt. Signor de Angelis, who has lived many years in the immediate neighborhood of Vesuvius, has kindly helped me to identify the exact localities of the specimens, and Dr. Hunt has determined some of the more difficult minerals. The set consists of about 380 specimens, all of which are now labelled and exhibited. These two last collections, which have never been exposed to view until now, occupy one of the new cases which were got last winter. A number of miscellaneous minerals of interest have been labelled and placed temporarily in the case in the aquaria room. The number of specimens labelled is about 165. A great many duplicates and worthless specimens have been selected and put away. The number of specimens of rocks and minerals that are now named and exhibited in the museum may be approximately summed up as follows:

Dr. Holmes' Collection, with additions, over 1400 specimens.	
Canadian Rocks and Minerals.....	200    "
Rocks and Minerals of Vesuvius.....	370    "
Miscellaneous do.....	165    "

In all upwards of..... 2139 specimens.

Some 500 or 600 specimens remain without any locality, they are mostly duplicate examples, and are in some cases undetermined. The second new case has been entirely devoted to our collection

of fossils. The old series was totally un-named and devoid of any attempt at arrangement. Many new specimens have been added during the past session. Dr. Dawson has contributed several Devonian, Carboniferous and Post Tertiary species, Prof. Dana some Carboniferous and Cretaceous forms; and during last summer I received several donations to this part of our collection from various friends in the United States. The local fossils of the neighborhood of Montreal I have collected in person: most of these will be found in the collection. To Mr. Billings I am indebted for the determination of the Silurian and Devonian species, and to Principal Dawson for the nomenclature of the Carboniferous fossils; those of the Mesozoic and Tertiary periods were determined by myself.

The following is an estimate of this branch of our Collection.

Lower Silurian.....	61 species.
Middle " .....	23 "
Upper " .....	1 "
Devonian.....	31 "
Carboniferous.....	57 "
Lias.....	21 "
Oolite.....	42 "
Cretaceous.....	30 "
Tertiary.....	12 "
Post Tertiary.....	36 "

In all about 314 species.

The Polyzoa or Bryozoa of the Gulf of the St. Lawrence have been determined by Principal Dawson, and may now be conveniently studied. The Annelida, from the same district, have also been classified and named. The synonyms of the Canadian species of reptiles and fishes have been studied, and printed labels have been attached to the specimens. A few of our foreign birds have been determined and named. During the past summer several additions have been made to our collection of shells and radiates: these have been named and incorporated with the general series. During the past winter the making arrangements for the Somerville course of lectures has devolved upon me. These I have either reported from notes taken during the evening, or when this has not been the case, care has been taken that reliable abstracts should appear in the daily press. It is hoped that the

series  
those  
Du  
the lib  
that n  
comple  
exchan  
incom  
not on  
are wa  
  
The C  
B  
Comple  
The Ca  
Vol  
Vol  
Unbound  
"  
"  
"  
Annals o  
Vol.  
Journal  
Unbound  
"  
"  
"  
"

series as a whole has not proved inferior in point of interest to those of past years.

During the month of April, 1865, I have devoted some time to the library, having been appointed Sub-librarian on the first of that month. My object during that time has been to see how far complete are our sets of those journals, which we should receive in exchange for the Canadian Naturalist. Most of these are very incomplete, as the following statement will show. The list includes not only the numbers or volumes we possess, but those also which are wanting to complete our sets.

CANADA AND BRITISH NORTH AMERICA.

The Canadian Naturalist and Geologist. Montreal. Dawson Brothers.

Complete up to the present date, with the exception of the first volume.

The Canadian Journal. Toronto.

Vol. for 1852-3 inclusive, bound.

Vols. 1-3 inclusive bound, 1856-1858 inclusive.

Unbound: Vol. 4. 1859. Complete, except No. 19.

" Vol. 5. 1860. Complete.

" Vol. 6. 1861. Nos. 35 and 36 missing.

" Vol. 7. 1862. Nos. 37 and 41 missing.

Transactions of the Literary and Historical Society of Quebec.

Vols. 1 & 2 bound.

Unbound: Vol. 3. 1832. Parts 1 and 4. Parts 2 and 3 missing.

" Vol. 4. 1855. Parts 3 and 4 with Supplement. 1-2 missing.

" Vol. 5. 1862. Part 1.

" New series. Vol. 1. Parts 1 and 2. 1863-1864.

Annals of the Botanical Society of Canada. Kingston.

Vol. 1. Parts 1 and 2 received. 1860-1861. Part 3 and Supplement wanting.

Journal of Education for Lower Canada. Montreal.

Unbound: Vol. 1. 1857. Complete.

" Vol. 2. 1858. Complete.

" Vol. 3. 1859. No. 11 missing.

" Vol. 4. 1860. No. 11 missing.

" Vol. 5. 1861. Nos. 1, 4, 6, and 7 missing.

- Unbound: Vol. 6. 1862. Nos. 11 and 12 missing.  
 " Vol. 7. 1863. Nos. 2, 3 and 13 missing.  
 " Vol. 8. 1864. No. 8 missing.  
 " Vol. 9. 1865. 1, 2 and 3 received.

**Journal de L'Instruction Publique. Montreal.**

- Unbound: Vol. 1. 1857. Complete.  
 " Vol. 2. 1858. "  
 " Vol. 3. 1859. "  
 " Vol. 4. 1860. "  
 " Vol. 5. 1861. Nos. 1, 7 and 12 missing.  
 " Vol. 6. 1862. No. 4 missing.  
 " Vol. 7. 1863. Nos. 2, 3, 5, 6, 7, 8, 9 and 10 missing.  
 " Vol. 8. 1864. Nos. 2, 3, 9, 10, 11 and 12 missing.

**Journal of Education for Upper Canada. Toronto.**

Vols. 2 to 5 inclusive received. 1849 to 1852.

**Journal of the Board of Arts and Manufactures of Upper Canada.**

- Vol. 1 and 2 bound.  
 Vol. 3 complete.  
 Vol. 4. Nos. 3, 5 and 11 missing.  
 Vol. 5. 1865. Nos. 1 to 5 missing.

**Transactions of the Nova Scotia Institute of Natural Science.  
 Halifax, Nova Scotia.**

- Vol. 1. Part 1. 1863.  
 Vol. 2. Part 1. 1864.

**UNITED STATES.**

**The American Journal of Science and Arts. Newhaven.**

- 1st. Series: 20 Vols 8vo. Complete and bound.  
 2nd. Series: Vols. 1 to 35 inclusive. Complete and bound.  
 Unbound: Vol. 36. 1863. Complete.  
 " Vol. 37. 1864. Complete.  
 " Vol. 38. 1864. Nos. 113 and 114 missing.  
 " Vol. 39. 1865. Nos. 115 and 116 received.

**Proceedings of the Academy of Natural Sciences, of Philadelphia.**

- Unbound: Vol. for 1857-58. Pages 1-16 inclusive, & 73-176 do.,  
 missing.  
 " Vol. for 1859. Pages 1-108 inclusive, and 132-286 do.  
 missing.  
 " Vol. for 1860. Pages 361-412 inclusive, missing.

- Unbound: Vol. for 1861. Pages 65-120 inclusive, 257-328 do.,  
and from page 385 to the end of the  
volume, missing.
- " Vol. for 1862. Parts 7 and 8 wanting.
- " Vol. for 1863. Complete.
- " Vol. for 1864. Complete.

Proceedings of the Boston Society of Natural History.

- Vols. 1, 2 and 3, complete and bound. 1848-1851.
- Unbound: Vol. 4. 1851-54. Pages 81-128, inclusive, 193-224 do.,  
241-256 do., 305-336 do., and 353 to  
401 do., missing.
- " Vols. 5 and 6 wanting.
- " Vol. 7. 1859-61. Pages 1 to 64 inclusive, 129 to 160 do.,  
257-288 do., 353-384 do., missing.
- " Vol. 8. 1861-62. Pages 33 to 96 inclusive, 161-256 do.,  
missing.
- " Vol. 9. 1862-63. Pages 305 to the end of the volume, miss-  
ing.

Annals of the Lyceum of Natural History of New York.

- Vol. 1. missing.
- Vol. 2. Complete and bound.
- Vol. 3. 1828-36. Nos. 1, 2, 3 and 4 received. The rest wanting.
- Vol. 4. 1837-38. Complete, unbound.
- Vol. 5. 1850-52. No. 1 wanting, all the rest received.
- Vol. 6. 1853-57. Complete and bound.
- Vol. 7. 1858-62. Complete, unbound.
- Vol. 8. 1863. One number received.

Proceedings of the Portland (Maine) Society of Natural History.

- Vol. 1. Part 1 and Supplement, 1862: Received.

Journal of the Portland Society of Natural History.

- Vol. 1. No. 1. 1864. Received.

Transactions of the Academy of Science of St. Louis. (Missouri.)

- Vol. 1. 1857 to 1860 inclusive. Complete, unbound.
- Vol. 2. 1863. Only No. 1 received.

Proceedings of the Entomological Society of Philadelphia.

- Vol. 1. 1861-63. 9 (out of 10) numbers received. No. 2 wanting.  
(After this date (1863) the Ent. Society decline making any fur-  
ther exchanges of, or for, its Journal.)

**Historical collections of the Essex Institute. Salem, Massachusetts.**

- Vols. 1 and 2. 1859 and 1860. Complete and bound.  
 Vols. 3-5 inclusive. 1861-1863. Complete, unbound.  
 Vol. 6. 1864. Nos. 1, 2 and 4 received. No. 3 wanting.

**Journal of the Franklin Institute of the State of Pennsylvania.**

- Vols. 31 to 34 inclusive. 1858-1861. Complete and bound.  
 Vol. 42. 1861. Complete, unbound.  
 Vol. 43. 1862, Nos. 3 to 6 inclusive. Nos. 1 and 2 not received.  
 Vol. 44. 1862. Complete and bound.  
 Unbound: Vol. 45. 1863. No. 6 missing.  
 " Vol. 46. 1863. Complete.  
 " Vol. 47. 1864. No. 3 missing.  
 " Vol. 48. 1864. Complete.  
 " Vol. 49. 1865. Nos. 1, 3 and 4 received. No. 2 wanting.

**The Historical Magazine, and Notes and Queries concerning the Antiquities and Biography of America. New York.**

- Unbound: Vol. 5. 1761. Nos. 1, 2, and 5 to 12 inclusive, wanting.  
 " Vol. 6. 1862. Nos. 3 and 4 wanting.  
 " Vol. 7. 1863. Nos. 1, 4, and 6 wanting.  
 " Vol. 8. 1864. Nos. 6-12 inclusive, wanting.

**Proceedings of the American Antiquarian Society. Boston.**

- Nos. for 1860, 1863 and 1865 received. Those for 1861 and 1862 wanting.

**Proceedings of the American Academy of Arts and Sciences. Boston and Cambridge.**

- Vols. 1. to 4, May 26, 1846, to May 8, 1860. Complete and bound.  
 Unbound: Vol. 5. 1860-61. Pages 241 to 312 inclusive, missing.  
 " Vol. 6. 1862-64. Pages 1 to 340 inclusive, received.

**Proceedings of the American Association for the advancement of Science.**

- Vols. for 1858 and 1860. Unbound.

**Transactions of the Albany Institute.**

- Vol. 1. 1830. Complete and bound.  
 Vol. 4. 1858-1864. Complete, unbound.

Edin  
 Vol  
 Unbou  
 "  
 "  
 Unbou  
 "  
 "  
 Proce  
 Vols  
 Quart  
 Nos.  
 The N  
 Unbou  
 "  
 "  
 "  
 "  
 The Q  
 Nos.  
 v  
 The Po  
 No. 1  
 Journal  
 Zoolo  
 Botan  
 Unbound  
 "  
 "  
 "  
 "  
 "

## GREAT BRITAIN.

## Edinburgh New Philosophical Journal.

- Vols. 1 to 15 inclusive, 1819 to 1833. Complete and bound.  
 Unbound : Nos. 32 to 39 inclusive, received. No 40 wanting.  
 " Nos. 41 to 54 inclusive, received. Nos. 55, 56 and 57 wanting.  
 " Nos. 58 to 61, received. Nos. 62 to the end of the first series  
 wanting.

## New Series.

- Unbound : Nos. 9 to 12 inclusive, received. Nos. 1-8 missing, also Nos.  
 13 to 20, inclusive.  
 " Nos. 21-29 inclusive, received. No. 30 missing.  
 " Nos. 31-38 inclusive, received. Up to April, 1864.

## Proceedings of the Geological Society of London.

- Vols. 2, 3 and 4. 1833 to 1844. Complete and bound. Vol. 1  
 wanting.

## Quarterly Journal of the Geological Society of London.

- Nos. 65 to 81, received, except No. 72, which is wanting. 1861-1865.  
 Unbound.

## The Natural History Review. London.

- Unbound : Vol. 4. No. 4 received. Nos. 1, 2 and 3 wanting.  
 " Vol. 5. Nos. 1, 3 and 4 received. No. 2 wanting.  
 " Vol. 6. No. 4 received. Nos. 1, 2 and 3 wanting.  
 " Vol. 7. Complete and bound.  
 " Vol. 8. No. 4 received. Nos. 1, 2 and 3 wanting.

## The Quarterly Journal of Science. New Burlington St., London.

- Nos. 5 and 6 received. Jan. and April, 1865. Nos. 1 to 4 inclusive,  
 wanting.

## The Popular Science Review.

- No. 15 only received. April, 1865.

## Journal of the Proceedings of the Linnæan Society. London.

- Zoology. Vol. 5, 1861. Complete and bound.  
 Botany. " " " " "  
 Unbound : Zoology. Vol. 6. 1861-62. Complete.  
 " Botany. Vol. 6. 1861-62. "  
 " Zoology. Vol. 7. 1863. Complete.  
 " Botany. Vol. 7. 1863. "  
 " Zoology. Vol. 8. 1864. No. 29 received.  
 " Botany. Vol. 8. 1864. No. 30 received, No. 29 wanting.

Hooker's Journal of Botany and Kew Garden Miscellany.  
5 Henrietta St., Covent Garden, London.  
Nos. 30 to 56 inclusive, received. June 1851 to September 1863.  
Unbound.

Proceedings of the Royal Physical Society of Edinburgh.

1858-1861. 1 Vol. 8vo., unbound.  
1861-1862. 1 Vol. 8vo., unbound.

Proceedings of the Dublin University Zoological and Botanical  
Association. Dublin University Press.

Vol. 1. Part 3, (Nov., 1859) received, the rest wanting.  
Vol. 2. Part 1 (Nov., 1861) received only.

Proceedings of the Natural History Society of Dublin for the  
session 1862-63.

Vol. 4. 1864, Part 1 only received.

Journal of the Geological Society of Dublin.

Vol. 10. 1862-64. Parts 1 and 2.

Transactions of the Tyneside Naturalists Field Club.

Newcastle upon Tyne.

Vol. 5. 1861-63. Parts 2, 3 and 4 received. Part 1 wanting.  
Vol. 6. 1863-64. Parts 1 and 2 received.

Journal of the Society of Arts and of the Institutions in union.  
London.

Vol. 4. 1855. Nos. 161 and 188 only received, the rest wanting.  
Vols. 5 and 6. No numbers received.

Vol. 7. 1859. Nos. 351 to 355 inclusive, received. The rest wanting.  
Vol. 8. 1860. Nos. 385 to 390 inclusive, 392 to 396 do., 407 to 409  
do., and Nos. 415 and 417 received.

Vol. 9. 1861. Nos. 426, 429 to 432 inclusive, 434 to 436 do., 439 to  
443 do., Nos. 446 to 450 do., 462 to 469 do., rec'd.

Vol. 10. 1861-62. Nos. 470 to 474 inclusive, 481 to 491 do., 493 to  
498 do., Nos. 500 to 521 do., received.

Vol. 11. 1862-53. Nos. 522 to 529 inclusive, 531 to 536 do., 538 to  
540 do., 543 to 547 do., 550 to 572 do., and No.  
574, received.

Vol. 12. 1863-64. Nos. 579 to 581 inclusive, No. 584, Nos. 587 to 589  
inclusive, 591 to 593 do., No. 596, No. 602, No.  
609 and 611 to 925 inclusive, received.

Vol. 1

The Te

Vol. 1

Vol. 2

Vol. 3

Vol. 4

Vol. 5

The Geo

an

ri

Vol. 1

Vol. 2

Vol. 3

Vol. 4

Vol. 5

Vol. 6

Vol. 7

The Zoolo

Va

Nos. 217

The Natur

Na

par

Hu

The first 1

the Soc

Memoires

Dij

2nd. Series

Vol. 13. 1864-65. Nos. 627 and 628, Nos. 630 to 638 inclusive. Nos. 643 and 644, and No. 648 received.

The Technologist. A monthly record of Science applied to Art, Manufacture and Culture. Kent & Co., Paternoster Row, London.

Vol. 1. 1860. No. 7 only received.

Vol. 2. 1861. Nos. 1, 15, 16, 22, 23 and 25, received.

Vol. 3. 1862. Nos. 22 to 28 inclusive, received, No. 29 missing, Nos. 30 to 36 inclusive, received.

Vol. 4. 1863-64. Nos. 37 to 40 inclusive, received, No. 41 wanting, No. 42 received, 43 wanting, and Nos. 44 to 48 inclusive, received.

Vol. 5. 1864-65. Nos. 49 to 54 inclusive, received; No. 55 wanting, No. 56 received.

The Geologist. An illustrated Magazine of Geology, Palæontology, and Mineralogy. London: Lovell, Reeve & Co., Henrietta St., Covent Garden.

Vol. 1. No Numbers received.

Vol. 2. 1859. Nos. 17, 50, 21 and 22 received.

Vol. 3. 1860. Nos. 28, 29 and 35 received.

Vol. 4. 1861. Complete, with supplements.

Vol. 5. 1862. Nos. 49, 51, 54, 55, 57, 58 and 59 received.

Vol. 6. 1863. Nos. 63, 65, 68 and 70 received.

Vol. 7. 1864. Nos. 74, 76, 77 and 78 received.

The Zoologist. A Popular Magazine of Natural History. Jno. Van Voorst, Paternoster Row, London.

Nos. 217 to 229 inclusive, received. June 1860—April 1861.

The Naturalist. Journal of the West Riding Consolidated Naturalists Society and Manual of Exchange in all departments of Natural History. London, Manchester, and Huddersfield.

The first 18 numbers. May 1, 1864 to Jan. 15, 1865. Presented by the Society.

#### CONTINENT OF EUROPE.

Memoires de l'Académie des Sciences, Arts et Belles-lettres de Dijon.

2nd. Series. Vols 1-9 inclusive, unbound. 1851 to 1861.

**Bulletin de la Société Impériale des Naturalistes de Moscou.**

Vol. for 1863. Parts 1 and 2 received.

**Jahrbuch der Kaiserlich-Königlichen Geologischen Reichsanstalt.  
Vienna.**

Vols. 1, 2, and 3, complete, 1850-52. Vols. 7 to 10 inclusive, 1856 to 1859. Complete. Vol. 11, 1860. 2 Nos. missing.

Vols. 12 and 13, 1861-62 and 1863. Complete. And No. 1 of Vol. 13, 1864.

**Mittheilungen der Kaiserlich-Königlichen Geographischen Gesellschaft. Vienna.**

Vol. 1. 1857. Parts 1 and 2.

Vol. 2. 1858. Parts 1, 2, and 3.

Vol. 3. 1859. Parts 1, 2, and 3.

Vols. 4, 5, and 6 for 1860-1863 inclusive. Each complete in one part.

**Zeitschrift der Deutschen geologischen Gesellschaft. Berlin.**

Vols. 1 to 15 inclusive. 1858 to 1864. Complete, unbound and 2 Nos. of Vol. 16, 1864.

**Sitzungsberichte der königl. bayer. Akademie der Wissenschaften zu Munchen. Munich, Bavaria.**

Vols. from 1860 to end of 1863 inclusive. Complete, unbound. 2 first parts of 1864.

(And a quantity of quarto pamphlets taken from the above.)

**Schriften der Königlichen Physikalisch-Oekonomischen Gesellschaft du Königsberg.**

Unbound: 1860. Part 1.

" 1861. Parts 1, 2, and 3.

" 1862. Parts 1 and 2.

**Der Oberhessischen Gesellschaft für Natur und Heilkunde. Giessen.**

October, 1855.

June, 1857.

January, 1859.

**Nyt Magazin for Naturvidenskaberne. Udgives af den Physiographiske Forening i Christiania ved M. Sars and Th. Kjerulf.**

1863. 1 Part.

1864. 2 Parts.

Fordhan

1859 t

Öfversig

Part 1

Konglig

Quarto

From

the exch

be made

Society's

library n

for refer

applicati

Journal o

The T

an accoun

had been

The detai

Fordhandlinger i Videnskabs-Selskabet i Christiania,  
1859 to 1864 Vols. inclusive. Unbound.

Öfversigt af Kongl. Vetenskaps-Akademiens Förhandlingar.  
Part 19. 1862.

Kongliga Svenska Vetenskaps-Akademiens Handlingar.  
Quarto. 1861.

From the above detailed account it will be seen how irregularly the exchanges for the *Naturalist* have been received. Efforts will be made to procure the missing numbers, and to complete the Society's sets. It is hoped, that with attention and care, the library may be made more valuable to students, and more available for reference. Since the first part of this report was in type, application has been made, and all the missing parts of the *Boston Journal of Natural History* have been received.

---

The Treasurer of the Society, Mr. Jas. Ferrier, jun., then gave an account of the financial position of the Society, showing what had been its receipts and expenditure during the past session. The details will be found on the other side.

THE NATURAL HISTORY SOCIETY OF MONTREAL IN ACCOUNT WITH JAMES FERRIER, JUN., TREASURER. Cr.

Dr.

	RECAPITULATION.		RECAPITULATION.
1864.		1865.	
May 1.		May 1.	
To cash balance due Treasurer, May 1, 1864.....	\$ 15 43	By Cash, Government Grant .....	\$750 00
1865.		“ “ Members' yearly subscriptions.....	301 00
May 1.		“ “ Life member's subscription, H. Fraser, Esq. ....	50 00
To Cash paid, Printing.....	309 38	“ “ Museum entrance fees.....	36 00
“ “ Furniture, cases, &c.....	70 00	“ “ Rent of Lecture Room.....	26 00
“ “ Sundry petty charges, repairs, &c....	51 65	“ “ Donation from Captain Serocold,.....	5 00
“ “ P. O. accts.....	12 90	“ “ Proceeds Conversazione.....	66 05
“ “ J. F. Whiteaves, salary.....	350 00	“ “ Balance due Treasurer .....	190 83
“ “ W. Hunter, salary.....	200 00		
“ “ W. McCormick, commissions .....	34 30		
“ “ Wood and coals.....	165 49		
“ “ Gas accounts.....	21 08		
“ “ Water “.....	40 65		
“ “ City taxes.....	40 00		
“ “ Insurance.....	34 00		
“ “ Interest.....	80 00		
	\$1424 88		\$1424 88

JAMES FERRIER, JUN., Treasurer N. H. S.

STATEMENT OF LIABILITIES OF THE NATURAL HISTORY SOCIETY, MAY 1st, 1865.

Open Accounts.....	\$ 303 38
Mortgage on Society's Building held by Scottish Provincial Insurance Co.....	2000 00
“ in favor of William Watson, Esq.....	400 00
	\$2703 38

It  
mously  
That  
of the p  
A vo  
unanim  
The  
for the

Presi  
Vice  
A. De S  
T. Stern  
Right I  
Rev. A.  
Treas  
Cor.  
Rec. S  
Whiteav  
Libra  
Counc  
Latour;  
and John  
Libra  
also a me  
Rev. Dr.  
Editin  
Watt, Ac  
E. Billing

It was moved by the Right Rev. the Lord Bishop, and unanimously resolved :

That the special thanks of the Society be voted to the President of the past session for his valuable services during that time.

A vote of thanks to the other officers of the past year was also unanimously carried.

The following gentlemen were elected as officers of the Society, for the coming session.

#### OFFICERS FOR 1865-66.

*President.*—C. Smallwood, M.D. LL.D., D. C. L.

*Vice Presidents.*—Principal Dawson, LL.D., F.R.S., &c. ; Rev. A. De Sola, LL.D. ; Sir W. E. Logan, LL.D., F.R.S., &c. ; Dr. T. Sterry Hunt, M.A., F.R.S., &c. ; E. Billings, F.G.S. ; The Right Rev. the Lord Bishop and Metropolitan ; John Leeming ; Rev. A. F. Kemp, M.A. ; and W. H. A. Davies.

*Treasurer.*—Jas. Ferrier, jun.

*Cor. Secretary.*—Prof. P. J. Darey, M.A.

*Rec. Secretary, Scientific Curator, and Sub-librarian.*—J. F. Whiteaves, F.G.S., &c.

*Librarian.*—Stanley C. Bagg.

*Council.*—J. H. Joseph ; E. Murphy ; A. Rimmer ; L. A. H. Latour ; A. S. Ritchie ; C. Robb ; D. A. P. Watt ; G. Barnston ; and John Molson.

*Library Committee.*—(These, with the Librarian, were elected also a membership Committee) D. Mackay ; G. H. Frothingham ; Rev. Dr. Wilkes ; Peter Redpath ; and John Molson.

*Editing Committee of the "Canadian Naturalist."*—D. A. P. Watt, Acting Editor ; Principal Dawson ; Dr. T. Sterry Hunt ; E. Billings ; J. F. Whiteaves ; and Prof. P. J. Darey.

## LIST OF DONATIONS TO THE MUSEUM.

From June 27th, 1864, to May 18th, 1865.

N.B.—The dates refer to the meetings of the Society, at which the specimens were presented.

DONORS' NAMES.	DONATIONS.
	June 27th, 1864.
Mr. W. Hunter.....	The Maryland Yellowthroat. ( <i>Geothlypis trichas</i> , Linnæus.)
E. E. Shelton, Esq.....	Stuffed specimen of the English Ferret. Coral from the West Indies, species of <i>Mæandrina</i> ?
The Corporation.....	Specimen of the Common Seal. ( <i>Phoca vitulina</i> , Linnæus.)
	September 26th, 1864.
C. Hart, Esq.....	A small collection of Marine Algæ from Portland, Maine; and 3 species of exotic shells. Specimen of Red Coral.
C. Foley, Esq.....	4 Concretions, from Lake Champlain. A series of Canadian Insects, consisting of 14 species of Coleoptera. 13 " Hymenoptera. 22 " Lepidoptera. 6 " Neuroptera.
	Specimen of the Star-nosed Mole. ( <i>Condylura cristata</i> , Linnæus.)
R. J. Fowler, Esq.....	3 Species of Canadian Lepidoptera (11 specimens). 1 Phylloptera oblongifolia.
Prof. Dana, (New Haven, Conn.).....	3 Species of Carboniferous Fossils, from the Western United States. 2 Cretaceous Species from Lebanon, Syria. 5 Species of Marine Shells, from Key West. 3 " Exotic Shells.
E. Seymour, Esq., (N.Y.)	Slab of White Chalk containing Fossil Fishes, from Lebanon, Syria.
Dr. Hubbard, (Staten Island, N.Y.).....	2 Species of Echinoderms, from Florida. 12 " Marine Shells, from the east coast of the United States. 2 Species of U. S. Fossils.
John B. Goode, Esq.....	Series of Canadian Insects, as follows : 77 Species of Lepidoptera. 8 " Neuroptera. 1 " Diptera. 1 " Aptera.

Mrs. J.

Mr. W.

James  
(Bro  
Jas. D  
W. H.  
Esq.,  
Geol.

Princip

C. Robb

Mrs. (N  
Mr. W.

Dr. A. H

P. Kutzin

Jas. Ferr

— Moore

Rev. A. I

## LIST OF DONATIONS TO THE MUSEUM.

DONORS' NAMES.	DONATIONS.
September 26th, 1863. (Continued.)	
Mrs. J. J. Jones.....	Specimen of the "Walking-Stick" Insect. ( <i>Spectrum femoratum</i> , Say.)
Mr. W. Hunter.....	Stuffed example of the "Black-throated Green Warbler." ( <i>Dendroica virens</i> , Baird.)
James H. Rankin, Esq., } (Brompton, C. E.).. }	Stuffed example of the "Blackburnian Warbler." ( <i>Dendroica Blackburnia</i> , Baird.)
Jas. Donnelly, Esq.....	Two living specimens of the "Wood Terrapin." ( <i>Glyptemys insculpta</i> , Leconte.)
W. H. M. S. D'Urban, } Esq., (through the } Geol. Survey)..... }	A "King" Crab. ( <i>Limulus Polyphemus</i> .) About 400 Species of British Coleoptera, partly named.
October 24th, 1864.	
Principal Dawson.....	22 Specimens of Fossil Plants (named), from the Coal Measures of Nova Scotia. Series of Post Pliocene Fossils (23 Species), from Ottawa, Montreal, and Rivière-du-Loup.
C. Robb, Esq., C.E.....	Columnaria alveolata, from the Black River Limestone of Burgess, C. W. Specimen of Diallage, from Brompton, C. E. Antimony, native and manufactured, from South Ham.
Mrs. (Neill) McIntosh...	A quantity of Living Fishes for the Aquaria.
Mr. W. Hunter.....	Stuffed example of the Night Heron. ( <i>Nyctiardea Gardeni</i> , Baird.)
November 28th, 1864.	
Dr. A. Hall.....	5 Species of recent Shells, from the W. Indies. Fœtal Monkey, from Australia. 1 Spoon and 2 Antique Rings, both dug up at Cacouna.
P. Kützing, Esq.....	49 Species (82 Specimens) of Canadian Lepidoptera. ( <i>Butterflies and Moths</i> .)
Jas. Ferrier, jun., Esq...	The Spruce Partridge, or Canadian Grouse. ( <i>Tetrao Canadensis</i> , Linnaeus.)
— Moore, Esq.....	A quantity of Live Fishes for the Aquaria. Specimen of the American Woodcock. ( <i>Philohela minor</i> , Gray.)
Rev. A. DeSola, LL.D...	Live Gar Pike ( <i>Lepidosteus</i> ) for the Aquarium.

## LIST OF DONATIONS TO THE MUSEUM.

DONORS' NAMES.	DONATIONS.
November 28, 1864. ( <i>Continued.</i> )	
G. Barnston, Esq. ....	Stuffed example of the "Painted Bunting" ( <i>Plectrophanes pictus</i> , Swainson), from the plains of the Saskatchewan.
Mr. W. Hunter. ....	Two fine Black Squirrels ( <i>Sciurus Carolinensis</i> , variety <i>niger</i> ), from Brockville, C. W.
December 27th, 1864.	
Dr. Wolff, (Quebec) ....	Specimen of Chlorastrolite, from Isle Royale, Lake Superior.
Thos. White, Esq. ....	Snuff-box made from wood taken from the Royal George.
P. Kutzing, Esq. ....	Specimen of the European Sparrow-Hawk.
H. B. Small, Esq. ....	The "Hog-nosed Snake" or "Blowing Adder," ( <i>Heterodon platyrhinus</i> , Latreille), and 3 other snakes.
January 30th, 1865.	
C. Foley, Esq. ....	6 Species of Canadian Hymenoptera, and one of Diptera.
Principal Dawson. ....	18 Species of British Hymenoptera.
William Couper, Esq., } (Quebec)..... }	22 Species of Coleoptera ( <i>Beetles</i> ), from Washington, South Carolina, and California.
Literary and Historical } Society, Quebec..... }	Crystal of Amethystine Quartz, from Thunder Bay, Lake Superior.
W. Boa, Esq. ....	The Mottled Owl. ( <i>Scops asio</i> , Bonaparte.)
P. Kutzing, Esq. ....	The Cape May Warbler. ( <i>Dendroica tigrina</i> , Baird.)
Mr. W. Hunter. ....	Cooper's Hawk. ( <i>Accipiter Cooperi</i> , Bonaparte.)
	7 Species of Coleoptera ( <i>Beetles</i> ), from the Island of Montreal.
	3 Species of Lepidoptera ( <i>Moths</i> ), from the island of Montreal.
	6 Species of Diptera ( <i>Flies</i> ), from the Island of Montreal.
	9 Species of Hymenoptera, from the Island of Montreal.
March 6th, 1865.	
Capt. P. R. Fortin. ....	Skin of the Gannet ( <i>Sula bassana</i> , Brisson), from the Bird Rocks on the Magdalen Islands; also, skin of the Puffin ( <i>Mormon arctica</i> , Illiger), from Bras d'or.

A. S.

Princ

John

John

Horac

Jas. Ra  
dous

H. Lag

C. Foley,

## LIST OF DONATIONS TO THE MUSEUM.

DONORS' NAMES.	DONATIONS.
A. S. Ritchie, Esq.....	Fine Specimen of the rare "Cinereous Owl" ( <i>Syrnium cinereum</i> , Audubon), shot on the Island of Montreal.
Principal Dawson.....	21 Species of Fossils, from the Carboniferous Limestone of Ireland and Nova Scotia.
John Swanston, Esq.....	4 Coins. 1 Centesimo, Tuscany; 1 Skilling Danske; 1 Silver piece from Sweden; and 1 do., from Schleswig-Holstein.
John Finney, Esq.....	1 Italian (Silver) Coin. 5 Soldi.
March 27th, 1865.	
Horace S. Smith, Esq....	A Series of Insects from Canada and Prince Edward's Island.
April 24th, 1865.	
Jas. Radford, Esq., (Ta- } doussac.)..... }	3 Varieties of the Brook Trout ( <i>Salmo fontinalis</i> ) from inland lakes at the back of Tadoussac.
May 29th, 1865.	
H. Laggatt, Esq.....	Series of Precious Stones, as follows :
<ul style="list-style-type: none"> <li>1 Agate, from Lake Superior.</li> <li>3 Moss Agates, from Egypt.</li> <li>3 Varieties of Cornelian.</li> <li>2 Scotch Pebbles (cut and polished).</li> <li>1 Onyx.</li> <li>1 Cat's Eye, from Ceylon.</li> <li>2 Amethysts.</li> <li>1 Oriental Amethyst.</li> <li>4 Chrysoptases.</li> <li>2 Specimens of Sardonyx.</li> <li>1 Heliotrope, or Bloodstone.</li> <li>1 Red Jasper.</li> <li>1 Garnet.</li> <li>4 Rubies (uncut), from the East Indies.</li> <li>1 Sapphire (uncut), from Ceylon.</li> <li>2 Aquamarines.</li> <li>3 Turquoises.</li> <li>1 Specimen of Lapis lazuli, or Lazulite.</li> <li>1 Oriental Topaz.</li> </ul>	
Also, fine Cubes of Iron Pyrites, from Maine, and Specimens of Jewellers Red Coral, from the Pacific.	
C. Foley, Esq.....	American Crow. ( <i>Corvus Americanus</i> , Audu- bon.)

## LIST OF DONATIONS TO THE MUSEUM.

DONORS' NAMES.	DONATIONS.
D. McKay, Esq.....	Night Heron. ( <i>Nyctiardea Gardeni</i> , Baird.)
— Dunn, Esq., (Cote } St. Paul)..... }	Bull Frog. ( <i>Rana pipiens</i> , Linnæus.)
	Jumping Mouse. ( <i>Jaculus Hudsonicus</i> , Zimmerman.)
Mr. W. Hunter.....	Swamp Sparrow, male. ( <i>Melospiza palustris</i> , Baird.) Nashville Warbler, female. ( <i>Helminthophaga ruficapilla</i> , Baird); and a male Bay-winged Bunting. ( <i>Pooecetes gramineus</i> , Baird.)

J. F. WHITEAVES, F.G.S.,  
Scientific Curator, N. H. S.

## LIST OF DONATIONS TO THE LIBRARY.

DONORS' NAMES.	DONATIONS.
Royal Academy, Stock- } holm..... }	Crustacea decapoda podopthalma marina Suecice, interpositis speciebus Norvegicis aliisque vicinis, enumerat, A. Goess. Stockholm.
The Author.....	Address of the President of the Geol. Society of London, (Prof. A. C. Ramsay), for 1864.
.....	Fourth Annual Report of the board of Agriculture for the Province of New Brunswick, 1864.
The Author.....	Catalogue of N. American butterflies, by J. W. Weidemeyer.
The Trustees.....	Annual Report of the Trustees of the Museum of Comparative Zoology. Cambridge, 1863
The Authors.....	Synopsis of the Geology of Durham and part of Northumberland, by R. Howse and J. W. Kirkby.
The Author.....	On the direction and force of the Wind at Leopold Harbour, by the Rev. S. Haughton, M.D., F.R.S., &c.
“	On the Rainfall and Evaporation in Dublin in the year 1860, by do.
“	Experimental Researches on the Granites of Ireland: (Part. 3), by do.
“	On the use of Nicotine in Tetanus, &c., by do.

## LIST OF DONATIONS TO THE LIBRARY.

DONORS' NAMES.	DONATIONS.
The Author.....	Account of experiments made to determine the velocities of Rifle bullets commonly used, by do.
"	On the Phenomena of Diabetes mellitus, by do.
"	On the form of the cells made by various Wasps and by the Honey bee, &c., by do.
"	Essay on Comparative Petrology, by M. J. Durocher, translated by Rev. S. Haughton, M.D., T.R.S., &c.
Smithsonian Institute, } Washington..... }	Smithsonian Miscellaneous Collections. Vol. 5. Smithsonian Contributions to knowledge. Vol. 13.
"	Record and Results of the Magnetic survey of Pennsylvania, &c., by A. D. Bache.
"	Discussions on the Magnetic and Meteorological observations made at the Girard coll., Philadelphia, by A. D. Bache. Parts 2 and 3.
The Author.....	Nederlandsch Meteorol, Jaarboek. 1862. Animals of the North American Continent. Part 1, Mammalia. By H. B. Small.
Royal Academy, Munich.	Die Geologie in ihrem Verhältnisse Zu den übrigen Natur-wissenschaften, &c.; von Dr. Karl Schafhautl. 1843.
"	Andeutungen Zur Characteristick des Organischen lebens nach seinem Austreteten in den verschiedenen Erdperioden; von Dr. A. Wagner. 1845.
"	Denkrede auf Joseph Gerhard Zuccerini, &c.; von Carl Friedr. Phil. von Martius. 1848.
"	Denkrede auf Johann Nepomut von Fuchs; von Franz von Dobell. 1856.
"	Ueber Johannes Muller und sein Verhältniss Zum jekingen Standpunkt der Physiologie; von Dr. Th. L. W. Bischoff. 1858.
"	Errinerung an Mitglieder der Mathematisch—physikalischen classe der K. Bayr Akademie der Wissenschaften Eine Rede, &c., &c.; von Dr. Carl Friedr. Phil. von Martius.
"	Einleitende Morte Zur feier des Allerhochsten Geburtsfestes Sr. Majestat des Königs Maximilian 2, &c.; von Justus Freiherrn von Liebig. 1860.
"	Grenzen und Grenzgebiete der physiologischen forschung, &c.; von Dr. E. Harlelz. 1860.
"	Rede Zur vorfeier des Einhundert und Zweiten Stiftungstages der K. Akademie der Wissenschaften; von Justus von Liebig. 1861.

## LIST OF DONATIONS TO THE LIBRARY.

DONORS' NAMES.	DONATIONS.
Royal Academy, Munich.	Denkrede auf Gotthilf Heinrich von Schubert, &c. ; von Dr. Andreas Wagner. 1861.
"	Gedachtniszrede auf Friedrich Tiedeman, &c.; von Dr. Theodor Ludw. Wilh. Bischoff. 1861.
"	Denkrede auf John Andreas Wagner, &c. ; von Dr. Carl Friedr. Phil. von Martius. 1862.
"	Uber Parthenogenesis; von Dr. C. Th. G. von Siebold. 1862.
"	Zum Gedachtniss an Jean Baptiste Biot; von Carl Friedrich Philipp von Martius.
"	Rede in der offentichen Sitzung der K. Akademie der Wissenschaften am 28 Marz, 1863, &c. ; von Justus F. von Liebig. 1863.
Prof. A. Winchell.....	Geological Survey of Michigan, 1860.
The Author.....	Notes on the Economic Mineralogy of Nova Scotia. Part 1; by Prof. How, Kings Coll., Windsor, N. S.
"	On the Waters of the Mineral Springs of Wilmot, N. S.; by do.
C. Legge, Esq.....	Harbour improvements at foot of Lachine Canal, considered in a report addressed to the proprietors on Mill St.: by C. Legge, C. E. With two large colored Diagrams.
Stanley C. Bagg, Esq...	Archæologia Americana; by Stanley C. Bagg.
The Editor.....	Canadian Archæology; by Stanley C. Bagg.
.....	The Constitution of the United States, edited by W. Hickey.
The Author.....	Nederlandsch Meteorol. Jaarboek. Utrecht.
.....	On Mordenite, a new mineral from the Trap of Nova Scotia; by Prof. How, D.C.L., &c.
Major L. A. H. Latour.	Annuaire de Ville Marie, origine, utilité et progrès des Institutions Catholiques de Montreal. Première année, 1863; par Major L. A. H. Latour.
Smithsonian Institute, } Washington..... }	Bi-monthly Report of the Agricultural Department. From Sept. 1864, to March 1865.
The Author.....	Embryology of the Starfish; by A. Agassiz. 1 vol. 4to. Plates.
.....	Report of the Chief Commissioner of Mines for the Province of Nova Scotia, for the year 1864.
Royal Society, Christi- } ania..... }	Om de Geologiske Forhold Paa Kyststrækningerne af mordre Bergenhus Amt. Af M. Irgens og Th. Hiortdahl. 4o. Christiania, 1864.
"	Om Sneebroen Folgefon, af S. A. Sexe. 4th 1864.

## LIST OF DONATIONS TO THE LIBRARY.

DONORS' NAMES.	DONATIONS.
Royal Society, Christiania.....	Resultate Magnetischer, Astronomischer und Meteorologischer Beobachtungen, 1828-30. Von Prof. Christoph. Hansteen and Lieut. Due, 4th Christiania 1863.
"	Om det Syphilitiske Virus, af L. Bidenkap. Christiania, 1863.
"	Norges Fisterier af O. N. Loberg, Christiania, 1864.
"	Ægyptische Chronologie von J. Lichbein, Christiania, 1864.
"	Oversigt af Norges Echinodermer ved Dr. Michael Sars, Christiania, 1861.
"	Supplementer til Dovres Flora, af F. Hoch, Christiania, 1864.
"	Smaatrek af Naturens Væxthusholding, fornemlig indenden Norske Floras Gebel, af J. M. Norman, 1862.
"	Beretning om det tongelige Selstab for Norges, &c., 1861.
The Author.....	The Soils and Subsoils of Michigan, by Prof. A. Winchell, 1865.
Lieut. Col. Wiley.....	On Selandria Vitis, as it occurs in Michigan, by Prof. Winchell.
The Author.....	The Active or Volunteer Militia Force list of Canada. Quebec, 1863.
The Author.....	The Annual Volunteer and Service Militia list of Canada. Quebec, 1865.
The Author.....	Observations on the Geology of Southern New Brunswick (with a Geol. map), by Prof. L. W. Bailey, M.D.
From the Publishers, in exchange for the Naturalist.....	Canadian Journal, Toronto.
	Transactions of the Literary and Historical Society, Quebec.
	Journal of the Board of Arts and Manufactures of Upper Canada.
	Transactions of the Nova Scotian Institute.
	Silliman's American Journal.
	Proceedings of the Academy of Sciences of Philadelphia.
	Annals of the Lyceum of Natural History of New York.
	Boston Journal of Natural History.
	Proceedings of the Essex Institute.
	Do Franklin Institute.
	Do Entomological Society of Philadelphia.

LIST OF DONATIONS TO THE LIBRARY.

DONORS' NAMES.	DONATIONS.
	Journal of the Portland (Maine) Society of Natural History.
	Transactions of the Academy of Sciences of St. Louis.
	Proceedings of the American Antiquarian Society.
	Historical Magazine.
	The Technologist, London.
	Proceedings of the Linnæan Society.
	Proceedings of the Dublin University Zoological and Botanical Association.
	Proceedings of the Tyneside Naturalist's Field Club.
	Journal of the Society of Arts, London.
	Proceedings of the Natural History Society of Dublin.
	Edinburgh New Philosophical Journal.
	Quarterly Journal of Science, London.
	The Popular Science Review, London.
	Zeitschrift der Deutschen Geologischen Gesellschaft, 1861 and 1862, (From the Geological Society of Berlin.)
	Mettheilungen der Kaiserlich-königlichen Geographischen Gesellschaft, Vienna.
	Sitzungsberichte der königl. bayer Akademie der Wissenschaften Zu Munchen, Munich.
	Forhandlinger i Videnskabs Selskabet i Christiania. Christiania.
Government of Canada..	Canada Gazette.
Education Office, L. C..	Journal of Education.
	Statutes of Canada.
The Publishers.....	The Canadian Naturalist and Geologist.
McGill University.....	Calendar for 1862-3.
Toronto School of Medicine.....	Annual Announcement.
From the Regents of the N. York State Library.....	Supplement to the Catalogue of the New York State Library.
From the U. S. Patent Office.....	Annual Reports of the Trustees of do., 1863.
	Patent Office Report, vols. 1 and 2.

The  
and S

Univer  
Canadi  
Board  
Queen'  
McGill  
Laval U  
Literar  
Natural  
Nova S

Natural  
Harvard  
Amherst  
Essex I  
Yale Co  
Silliman  
Lyceum  
Natural  
State Lib  
Academy  
Franklin  
Smithson

Geological  
Linnæan  
Royal Soc  
British M  
Society of  
Geological  
Technolog

## THE CANADIAN NATURALIST.

The Canadian Naturalist is sent to the following Institutions and Societies, &c.:

## CANADA, ETC.

University College,	Toronto.
Canadian Institute,	Toronto.
Board of Arts,	Toronto.
Queen's University,	Kingston.
McGill University,	Montreal.
Laval University,	Quebec.
Literary and Historical Society,	Quebec.
Natural History Society,	St. John's, N.B.
Nova Scotia Institute of Nat. Science,	Halifax, N.S.

## UNITED STATES.

Natural History Society,	Portland, Maine.
Harvard College,	Cambridge, Mass.
Amherst College,	Amherst, Mass.
Essex Institute,	Salem, Mass.
Yale College,	New Haven, Conn.
Silliman's Journal,	New Haven, Conn.
Lyceum of Natural History,	New York.
Natural History Society,	Boston, Mass.
State Library,	Albany, New York.
Academy of Natural Sciences,	Philadelphia, Penn.
Franklin Institute,	Philadelphia, Penn.
Smithsonian Institution,	Washington, D.C.

## GREAT BRITAIN.

Geological Society,	London.
Linnæan Society,	London.
Royal Society,	London.
British Museum Library,	London.
Society of Arts,	London.
Geological Survey of Great Britain,	London.
Technologist,	London.

Quarterly Journal of Science,.....	London.
Naturalists' Field Club,.....	Newcastle-upon-Tyne.
Bodleian Library,.....	Oxford.
University Library,.....	Cambridge.
Literary and Philosophical Society.....	Manchester.
University Library,.....	Edinburgh.
University College,.....	Glasgow.
Royal Geological Society,.....	Dublin.

## CONTINENT OF EUROPE.

Société Géologique de France,.....	Paris, France.
L'Académie des Sciences.....	Dijon, France.
Imper. Geological Institute,.....	Vienna, Austria.
Deutsches Geolog. Gesellschaft,.....	Berlin, Prussia.
University Library,.....	Bonn, Prussia.
Société Impériale des Naturalistes.....	Moscow, Russia.
Konigl. Bayerischen Akademie der Wis- senschaften.....	Munich, Bavaria.
Academy of Sciences,.....	Stockholm, Sweden.
Christiana University,.....	Christiana, Norway.
Royal Library,.....	Copenhagen, Denmark.
Bibliothèque Imperiale.....	St. Petersburg, Russia.
Batavian Academy,.....	Leyden, Holland.
Freiberg Royal Academy,.....	Freiberg, Saxony.
Nederlandisch Metereol. Jaarboek,.....	Utrecht.

N A

HUGH  
STANL  
HENRY  
A. H. I  
W. H.  
J. W. I  
C. DUN  
WM. E  
HON. J  
JAMES  
HUGH I  
WM. FR  
G. H. F  
IRA GO  
W. H. B  
WM. HO  
HON. L.  
E. M. HO  
HENRY  
J. H. JO  
L. A. H.

LIST OF  
LIFE, ORDINARY, HONORARY,  
AND  
CORRESPONDING MEMBERS.  
OF THE  
NATURAL HISTORY SOCIETY  
OF MONTREAL.

---

*Life Members.*

---

HUGH ALLAN, ESQ.	SIR. WILLIAM E. LOGAN.
STANLEY C. BAGG, ESQ.	JOHN LEEMING, ESQ.
HENRY CHAPMAN, ESQ.	WILLIAM LUNN, ESQ.
A. H. DAVID, ESQ., M.D.	HENRY LYMAN, ESQ.
W. H. A. DAVIES, ESQ.	BENJAMIN LYMAN, ESQ.
J. W. DAWSON, LL.D., F.R.S.	J. G. MACKENZIE, ESQ.
C. DUNKIN, ESQ., M.P.P.	FERD. McCULLOCH, ESQ.
WM. EDMONSTONE, ESQ.	JAMES MITCHELL, ESQ.
HON. JAMES FERRIER, M.L.C.	JOHN MOLSON, ESQ.
JAMES FERRIER, JUN., ESQ.	WILLIAM MOLSON, ESQ.
HUGH FRASER, ESQ.	THE RIGHT REV. THE LORD
WM. FRASER, ESQ., M.D.	BISHOP OF MONTREAL.
G. H. FROTHINGHAM, ESQ.	ROBERT MUIR, ESQ.
IRA GOULD, ESQ.	WILLIAM NIVIN, ESQ.
W. H. HINGSTON, ESQ., M.D.	THOMAS PATON, ESQ.
WM. HOBBS, JUN., ESQ.	PETER REDPATH, ESQ.
HON. L. H. HOLTON.	DUNCAN ROBERTSON, ESQ.
E. M. HOPKINS, ESQ.	ALFRED SAVAGE, ESQ.
HENRY J. IBBOTSON, ESQ.	N. S. WHITNEY, ESQ.
J. H. JOSEPH, ESQ.	J. H. WINN, ESQ.
L. A. H. LATOUR, ESQ.	

Ordinary Members.

- |                             |                            |
|-----------------------------|----------------------------|
| ABBOTT, HARRY               | DARLING, WM.               |
| ALEXANDER, CHAS.            | DATE, JOHN                 |
| ALLAN, A.                   | DAVID, E. D.               |
| ANDERSON, WM.               | DAWSON, B.                 |
| ARCHIBALD, H.               | DAY, HON. C. D.            |
| ATWATER, EDWIN              | DAY, J. J.                 |
| BAKER, J. C.                | DEMERS, ED.                |
| BARNBY, FRED.               | DESOLA, REV. DR. A., LL.D. |
| BARNSTON, G.                | DORION, HON. A. A.         |
| BEAUFIELD, RAMON            | DOUGLAS, JOHN              |
| BECKET, JOHN C.             | DOUTNEY, W. L.             |
| BENNING, JAMES              | DOW, WM.                   |
| BERNARD, DR. A.             | DRAKE, DR. J. M.           |
| BETHUNE, STRACHAN           | DRUMMOND, G. A.            |
| BILLINGS, E.                | DUNLOP, COL., R. A.        |
| BOUTHILLIER, TANCREDE       | ENGLISH, S.                |
| BOWKER, H. M.               | ESDAILE, JOHN              |
| BOYLE, LIEUT. GERARD        | ESPLIN, CHAS.              |
| BUCHANAN, W. O.             | EWAN, JAS.                 |
| BUDDEN, H. A.               | EWAN, W.                   |
| BULMER, HENRY               | EVANS, EDWYN               |
| BUNTIN, ALEX.               | FAIRBAIRN, JOHN            |
| CAMPBELL, DR. G. W.         | FOULD, JOHN                |
| CAMPBELL, ROBT., JR.        | FOWLER, R. J.              |
| CAMPBELL, ROLLO             | FROTHINGHAM, JOHN          |
| CHAMBERLAIN, B.             | FULFORD, F. D.             |
| CHENEY, GILMOUR             | GALBRAITH, JOHN            |
| CHRISTIE, PETER             | GIBB, BENAIAH              |
| CLAXTON, THOS. J.           | GIRDWOOD, DR.              |
| CLARE, W. H.                | GLENNON, JOHN              |
| CLARKE, JAMES P.            | GOODE, JOHN B.             |
| CLOUSTON, JAS. STEWART      | GOUDIE, JAMES              |
| COTTE, H.                   | GRIFFIN, F.                |
| COURT, JAMES                | GRIFFIN, JOHN C.           |
| CRAIK, DR. R.               | HAGAR, GEORGE              |
| CRANE, THOS. A.             | HANLON, T. D.              |
| CROSS, ALEX.                | HARRIS, JOHN               |
| CROSS, THOMAS               | HART, THEO.                |
| CUNDILL, FRS.               | HARTE, JAS. A.             |
| DAREY, PROF. P. J., M.A.—40 | HEALY, BRIGADE MAJOR—80    |

HENDERSON, JOHN  
 HIBBARD, WM. R.  
 HILL, BENJ.  
 HILL, FREEDOM  
 HILTON, WM.  
 HODGSON, W.  
 HOLLAND, PHILIP  
 HOLLAND, G. A.  
 HOLLAND, RICH.  
 HOPKINS, J. W.  
 HORNE GEORGE  
 HOWARD, DR. R. P.  
 HOWE, J. W.  
 HUNT, T. STERRY, F.R.S., M.A.  
 HUTCHINS BENJAMIN  
 HUTCHISON, M.  
 HUTTON, JAMES  
 IRISH, T. D.  
 ISAACSON, J. H.  
 KEMP, REV. A. F., M.A.  
 KERRY, ANTHONY  
 KING, WARDEN  
 KINGAN, GORDON  
 LAFRENAYE, P. R.  
 LAWFORD, F.  
 LEEMING, THOS.  
 LESLIE, HON. JAS.  
 LEWIS, JOHN  
 LOGAN, JAMES  
 LONSDALE, JOS. C.  
 LOVELL, JOHN  
 LOWE, JOHN  
 MACDONNELL, DR. R. L.  
 MACKAY, DAVID.  
 MACKAY, JOS.  
 MAIR, DAVID  
 MARLER, G. L.  
 MARTIN, GEO.  
 MARTIN, JOHN  
 MATHEWSON, JAS. A.  
 MATHEWSON, HUGH  
 MATTHEWS, FRED.  
 MATTHEWS, GEORGE—123

MAXWELL, EDW.  
 MAY, S. H.  
 MCCALLUM, DR. D. C.  
 MCARTHUR, J.  
 MCCORD, D. R.  
 McDONALD, DONALD  
 MCFARLANE, W. S.  
 MCGEE, HON. T. D'ARCY, M.P.P.  
 MCGIBBON, ALEX.  
 MCGREGOR, GREGOR  
 MCINTOSH, JOHN  
 MCKAY, HENRY  
 McLAREN, J. C.  
 MILLAR, CHAS.  
 MILLAR, G. M.  
 MILNE, JAMES  
 MITCHEL, ALEX.  
 MOAT, ROBT.  
 MOFFAT, J. E., M.D.  
 MORLAND, THOS.  
 MUIR, JAMES  
 MUIR, W.  
 MURPHY, EDWARD  
 MURRAY, ALEX.  
 MUSSEN, THOS.  
 NORRIS, JAS.  
 NUTTER, JAMES D.  
 OGILVIE, JOHN  
 OSTELL, JOHN  
 PARK, W. H.  
 PATON, LAIRD  
 PECK, THOS.  
 PELL, J. E.  
 PENNY, EDW. GOFF.  
 PHILIBIN, RICH.  
 PHILIPS, HENRY  
 PICKUP, EDMUND  
 PLIMSOLL, JOHN  
 POPHAM, JOHN  
 POPHAM, JOS.  
 PROWSE, G. R.  
 RAMSAY, T. K.  
 RANKIN, JOHN—166

REEKIE, R. J.  
 REYNOLDS, T.  
 RICHARDSON, JOHN  
 RIMMER, ALFRED  
 RIMMER, THOMAS  
 RINTOUL, W. HEBER,  
 RITCHIE, ALEX. S.  
 ROBB, CHAS.  
 ROBERTSON, ANDREW  
 ROBERTSON, W.  
 ROBINS, PROF. S. F.  
 ROSE, HON. J.  
 ROSS, ARCHIBALD  
 ROY, JAMES  
 ROY, L. N.  
 RUTHERFORD, W.  
 SACHE, WM.  
 SANBORN, M. H.  
 SCHOLES, FRANCIS  
 SCOTT, DR. W. E.  
 SCOTT, GILBERT.  
 SHAW, G.  
 SHAW, H. J.  
 SHELTON, E. E.  
 SHEWAN, A. N.  
 SHACKELL, H.  
 SIMPSON, G. W.  
 SMALLWOOD, C., M.D., LL.D.  
 SMITH, JOHN, Alexander St.

SMITH, S. HORACE  
 STARNES, HY., M.P.P.  
 STEPHEN, W.  
 SUTHERLAND, DR. WM.  
 SWANSTON, JOHN  
 SWANSTON, THOMAS  
 TEMPEST, JOHN  
 THOMAS, HENRY  
 THOMPSON, THOS. M.  
 TIFFIN, JOS., JUN.  
 TORRANCE, F. W.  
 TRUDEAU, ALEXIS  
 TYLEE, R. S.  
 URQUHART, A.  
 VENNOR, H. G.  
 WALKER, ALEX.  
 WALKER, WM. S.  
 WATSON, WM.  
 WATT, D. A. POB  
 WHITEAVES, J. F.  
 WHITNEY, H. H.  
 WILKES, REV. H., D.D.  
 WILLIAMSON, JAS.  
 WINNING, PERCIVAL  
 WINKS, G.  
 WINTER, MATTHEW  
 WOOD, REV. E.  
 WOOD, A. S.  
 WRIGHT, EDW.—224

Jan. 5  
 Oct. 29  
 May 19  
 Sept. 29  
 Oct. 26

DATE OF  
 Aug. 26,  
 Sept. 29,  
 June 26,  
 June 25,  
 Nov. 20,

April 24,  
 June 25,  
 July 30,

May 20,  
 Jan. 27,  
 April 25,  
 Aug. 30,

*Honorary Members.*

DATE OF ELECTION.  
 May 29, '50. A. M. McWhinnie.....London, England.  
 Nov. 29, '52. General G. Lefroy, F.R.S. Royal Arsenal, Woolwich, Eng.  
           Aimé Bouchard, M.C.,....Academie des Sciences, Paris.  
           Milne Edwards, M.D., ....Academie des Sciences, Paris.  
 Feb. 28, '53. Prof. Joseph Henry, Secre-  
           tary of the Smithsonian  
           Institute..... Washington.  
 March 28, '53. Dr. Rae .....

Sept. 8,  
 Oct. 25,  
 Nov. 29,

- Jan. 5, '54. O'Bryan Bellingham, M.D., Dublin.  
 Oct. 29, '55. Sir Edmund W. Head, Bart  
 May 19, '56. C. Smallwood, M.D., LL.D. Montreal.  
 Sept. 29, '56. Prof. James Hall ..... Albany, N. Y.  
                   Prof. Dunglison..... Philadelphia.  
 Oct. 26, '63. Prof. Agassiz..... Cambridge, nr. Boston. U. S.  
                   Major General Sabine, LL.D., F.R.S., &c.

---

*Corresponding Members.*

---

DATE OF ELECTION..

- Aug. 26, '37. Dr. Sabourin ..... United States.  
 Sept. 29, '45. Major Kendall. ....  
 June 26, '46. Dr. W. Newcomb..... Troy, N.Y.  
 June 25, '47. J. W. Leaycraft ..... Quebec.  
 Nov. 20, '47. Henry Holmes Croft, Profes-  
                   sor of Chemistry, Univer-  
                   sity College..... Toronto.  
 April 24, '48. Major Lachlan ..... Cincinnati.  
 June 25, '49. Dr. John Hillier Blount.... Birmingham, England.  
 July 30, '49. William Notman.....  
                   Jean Charles Taché ..... Quebec.  
                   Charles Payn, M.D., ..... United States.  
 May 20, '50. T. McDonald..... Jamaica.  
 Jan. 27, '51. Cecil Percival Stone. ....  
 April 25, '52. Samuel Kneeland, M.D.,.... Boston, Mass.  
 Aug. 30,     Dr. Robert M. Huston ..... Philadelphia, Penn.  
                   William Rogerson ..... Royal Observatory, Green-  
   wich.  
                   William Andrews. .... Quebec.  
                   J. Adolphus Thurberg..... Louisiana.  
 Sept. 8, '52. M. C. Brodie..... Beauharnois.  
                   E. A. H. Allen..... Troy, N.Y.  
 Oct. 25, '52. Prof. Thos. McCulloch..... Truro, N.S.  
                   Wm. Goodenough Wheeler..  
                   M.D., ..... Chelsea, Mass.  
                   Rev. William Scott..... Sherbrooke, C.E.  
 Nov. 29, '52. B. P. Johnson, Secy, Agric.  
                   Society. .... New York.  
                   Samuel Walker.... Roxbury, Mass.  
                   Hon. A. N. Morin. .... Quebec.

	Sir John P. Boileau, Bart., F.R.S.....London.	April
	John L. LeConte, M.D . . . . Philadelphia.	June
	J. Eliot Cabot, Cor. Sec. of the Boston Society of Nat. History ..... Boston, Mass.	
	John Cassin ..... Philadelphia.	
	John Gundlach, M.D. .... Cardenas, Cuba.	Oct.
	Professor W. Buckland. .... Toronto.	
Feb. 28, '53.	Dr. Charles Hugué Latour .St. Rémi.	Jan.
	Dr. J. W. Salisbury ..... Albany.	June
	George Webber Breton. .... Paris.	
	George Gephson Rumley .... Dublin.	Oct.
	Archibald Cameron..... Pointe du Chêne.	March
March 28, '53.	Hon. Jos. Cauchon, M.P.P..Quebec.	
	Benjamin Franklin Niles. . . Washington, D.C.	
	Francis Markoe, Jr..... Washington, D.C.	April
	Samuel Dutton ..... Guernsey.	
	H. Thieleke ..... Quebec.	May
	François Xavier Garneau . . Quebec.	Jan.
	Hon. Judge Laberge..... Three Rivers.	
	Rev. F. Pilote, College of Ste. Anne de la Pocatière.	Dec.
	Dr. Théop. Hugué Latour..Boucherville.	
April 27, '53	Vertue Edwards. .... London, England.	Feb.
	Pierre Martial Bardy, M.D .. Quebec.	
	Arthur Hill Hassall, M'D . . London.	
	Thomas Wakley, Jr..... London.	
	William Bell..... London.	
	Philip Claiborne Gooch, M.D., Richmond, Va.	
	Col. Campbell, C.B..... St. Hilaire.	April
	Eben. Wight, M.D..... Boston, Mass.	July
	Alexander Murray ..... Woodstock, C. W.	April
July 26, '53.	George G. Francis..... Swansea, England.	
	Geo. Prev. de Boucherville..St. Hyacinthe.	
	Rev. G. Langevin..... Quebec.	
	Albert Baker, M.D..... Stancross, Devon, England.	May
	John Gilson ..... Rome, Italy.	July
Nov. 28, '53.	Casimir Dessaulles. .... St. Hyacinthe.	October
	Hamilton D. Jessup, M.D... Prescott.	
	M. Turcot, M.D..... St. Hyacinthe.	
	Rev. J. B. Ferland..... Quebec.	November
	Hon. L. A. Dessaulles ..... Montreal.	January

- Rev. M. Lavallée.....St. Vincent de Paul.
- April 24, '54. Rev. Michael Ashton.....Adelaide, Australia.
- June 30, '54. Rev. M. A. Trudeau .....Buffalo, N. Y.  
Edward Crisp, M.D.....London.  
Edward L. Ormerod, M.B....Brighton.  
James Spence.....Pointe Claire.  
Rev. John Jenkins.....London, England.
- Oct. 30, '54. Rev. Louis Ed. Bois.....Maskinongé.  
Dr. Amédée Weilbraim.....Tournay, Belgium.
- Jan. 29, '55. Sir James Ed. Alexander....
- June 25, '55. General Rowan.....  
Dr. Litchfield.....Kingston.
- Oct. 29, '55. William Couper.....Quebec.
- March 31, '56. Hon. G. E. Cartier, M.P.P..  
A. Brunel.....Toronto.  
Rev. W. Brethour, M.A.....Ormsdown.
- April 28, '56. Hon. L. V. Sicotte.....St. Hyacinthe.  
Sir E. P. Taché.....St. Thomas, C. E.
- May 19, '56. Asst. Com' Gen. Ibbotson...
- Jan. 28, '56. P. L. McDougall, Advocate.Toronto.  
J. C. Lee, M.D.....London, C. W.  
Prof. P. J. Heyfelder.....Finland.
- Dec. 29, '56. H. P. Gosselin .....Clarendon.  
Alexander Copeland.....Hinchinbrooke.
- Feb. 25, '57. Prof. O. P. Hubbard, M.D.,  
Dartmouth College.....Hanover, N. H.  
Prof. A. D. Bache, Sup. U. S.  
Coast Survey.....Washington.  
Rev. A. J. Tellier, President  
St. John's College, N. Y..Fordham.  
R. L. Pell .....New York.
- April 27, '57. Jules Flavien Gingras.....Quebec.
- July 27, '57. Count Motschulsky .....St. Petersburg.
- April 27, '58. Rev. M. A. Curtis, D.D.....Hillsborough, U. S.  
W. S. Sullivant .....Columbus, Ohio.  
S. Durkee, M.D.....Boston, Mass.
- May '60. Rev. Louis Wurtele.....Actonvale.
- July '60. M. J. Mitcheson.....Philadelphia.
- October '60. Henry Poole.....Halifax, N. S.  
Rev. D. Honeyman, F.G.S...Antigonish, N. S.  
Ed. Bowen, M.D.....Brantford.
- November '60. Barnard R. Ross.....Fort Simpson, Rupert's Land.
- January '62. Thomas Macfarlane .....Actonvale.

- June 30, '62. Prof. Baird.....Smithson'n Inst., Washington  
 W. Stimpson, M.D..... " " "  
 Rev. A. Forrester, D.D.... Principal of Normal Schools,  
 Truro, Nova Scotia.
- Sept. 29, '62. Dr. Lowe, F.R.S., &c.....Brighton, England.
- Nov. 24, '62. S. H. Parkes.....Birmingham, England.
- March 30, '63. Hugh E. Montgomerie.....London, England.  
 Charles Waterton .....Wakefield, Yorkshire.  
 Prof. J. W. Bailey.....Fredericton, N. B.  
 N. W. Bethune.....Ottawa, C. W.
- Oct. 26, '63. W. Saunders.....London, C. W.  
 A. S. Packard.....Brunswick, Me.  
 H. Rose.....Granby, C. E.  
 G. F. Matthew.....St. John, N. B.
- Nov. 30, '63. John Brown .....Hamilton, C. W.
- Sept. 26, '64. Prof. R. Bell, F.G.S.....Kingston, C.W.
- Oct. 24, '63. Rev. R. McDonald.....  
 Prof. H. Y. Hind.....Frederickton, N.B.
- Nov. 28, '64. Captain Rooke, S.F.....
- March 27, '65. Capt. P. G. Fortin.....Laprairie.

Some unavoidable errors may have crept into the list of members. The Recording Secretary will be glad to have these pointed out, that they may be rectified in the Report of next session. He would also request that any members who do not receive notices of the usual monthly meetings, will communicate the address to which they would wish them sent.