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**ANNUAL REPORT**  
**OF THE**  
**NATURAL HISTORY SOCIETY**  
**OF**  
**MONTREAL**

**FOR THE YEAR ENDING MAY, 1862 :**

**WITH**

**THE AMENDING ACT RECENTLY PASSED :**

**ALSO,**

**A LIST OF THE OFFICERS,  
LIFE, CORRESPONDING, HONORARY, AND ORDINARY  
MEMBERS OF THE SOCIETY.**

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*Acc. les saluts de S. A. Auguste-Latoré, M. D.  
Montreal*

**MONTREAL :**  
**PRINTED BY JOHN LOVELL, ST. NICHOLAS STREET.**  
**1862.**

ANNUAL REPORT

OF THE

NATURAL HISTORY SOCIETY

OF

MONTREAL

FOR THE YEAR ENDING MAY 1901

BY

THE AMENDING ACT HERETOBY PASSED

1901

A LIST OF THE OFFICERS

THE CORRESPONDING HONORARY AND ORDINARY  
MEMBERS OF THE SOCIETY

MONTREAL:

PRINTED BY JOHN KOVILET ST MICHAEL'S STREET

1901

## REPORT.

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The Annual Meeting of this Society was held in their rooms yesterday evening, the President, the Most Reverend the Lord Bishop of Montreal and Metropolitan, in the chair. A large attendance of the members was present. The Recording Secretary, Mr. John Leeming, read the minutes of the last meeting; after which his Lordship the President said :

GENTLEMEN,—It becomes my duty once more, on this occasion of the Annual Meeting of our Society to give some account of our proceedings during the past year. I confess that it is with no small consciousness of my own unworthiness for the post I occupy, that I now again address you as your President; because I cannot but feel that I have myself been able to do so very little for the advancement of those objects, which it is the business of such a Society to investigate and illustrate. I can, however, most truly lay claim to a warm interest in its success, to an anxious desire to encourage in every way I can, the learned and useful labours of others; and I do most sincerely rejoice in being able to congratulate you on the success of those labours, and the steady advance which the Society is making in general usefulness, and in the estimation of the public. The more direct and systematic work of the Society is that which is done at the regular monthly meetings of the members; where papers are presented and read upon any of those subjects which come at all within the purview of this Institution; and discussions and conversations take place respecting them. As will necessarily be the case, where science of any kind is the subject matter, these may not always be equally interesting to the million, but are sometimes, as Hamlet says, "caviare to the general;" yet they have been valuable, as contributions to the cause of Natural Science, in almost every depart-

ment, and have been afterwards preserved and widely disseminated in the bi-monthly numbers of the *Canadian Naturalist*, edited in this city by some of our members. These may be classed under seven different heads, numbering altogether about 35 original papers, exclusive of Dr. Smallwood's valuable meteorological tables; viz:—Geology, 13; Zoology, 12; Botany, 5; Ethnology, 1; Meteorology, 1; Philology, 1; Chemistry, 2.

List of original papers read before and presented to the Natural History Society of Montreal, from May, 1861, to May, 1862:—  
On the Pre-carboniferous Flora of New Brunswick, Maine, and Eastern Canada. By J. W. Dawson, LL.D., F.G.S.

On the origin of some Magnesian and Aluminous Rocks. By T. Sterry Hunt, M.A., F.R.S.

Considerations relating to the Quebec Group, and the Upper Copper-bearing rocks of Lake Superior. By Sir W. E. Logan, F.R.S.

Notes on the History of Petroleum or Rock Oil. By T. Sterry Hunt, M.A., F.R.S.

List of recent Land and Fresh-water Shells collected around Lakes Superior and Huron in 1859-60. By Mr. Robt. Bell.

Catalogue of Birds collected and observed around Lakes Superior and Huron in 1860. By Mr. Robert Bell.

On the Mammals and Birds of the District of Montreal. By Archibald Hall, M.D., L.R.C.S.E. (A paper for which a silver medal was awarded by the Society to its author in 1839, but never before printed; it is now in course of publication).

On some of the Rocks and Fossils occurring near Phillipsburgh, Canada East. By E. Billings, F.G.S.

Recollections of the Swans and Geese of Hudson's Bay. By Geo. Barnston, Esq.

On the occurrence of Graptolites in the base of the Lower Silurian. By E. Billings, F.G.S.

A short review of the Sylviadæ or Wood-warblers found in the vicinity of Montreal. By H. G. Vennor.

Additional Notes on Aboriginal Antiquities found at Montreal. J. W. Dawson, LL.D., F.G.S.

- Mr. Barrande on the Primordial Zone in North America, and on the Taconic System of Emmons. By T. Sterry Hunt, M.A. F.R.S.
- List of Coleopterous Insects collected in the County of Lincoln, C. W. By D. W. Beadle.
- On the recent discoveries of Gold in Nova Scotia. By J. W. Dawson, LL.D., F.G.S.
- On the origin of the name "Canada." By Rev. B. Davies, LL.D., Member of the Council of the Philological Society of London.
- An account of the Animals useful in an economic point of view to the various Chippewyan Tribes. By B. R. Ross, H.B.C.S.
- On the Land and Fresh-water Mollusca of Lower Canada, with thoughts on the general geographical distribution of Animals and Plants throughout Canada. By J. F. Whiteaves, F.G.S., Honorary member of the Ashmolean Society of Oxford, &c., &c.
- On the Primitive Formations in Norway and in Canada, and their Mineral Wealth. By Thomas Macfarlane.
- On the Shore Zones and Limits of Marine Plants on the North-Eastern Coast of the United States. By the Rev. Alex. F. Kemp.
- Contributions to Meteorology for the year 1861 from observations taken at Isle-Jesus, Canada East. By Charles Smallwood, M.D., LL.D., Professor of Meteorology in the University of McGill College, Montreal.
- Note on the Taconic System of Emmons. By T. Sterry Hunt, M.A., F.R.S.
- Notes on the Flora of the White Mountains, in its Geographical and Geological relations. By J. W. Dawson, LL.D., F.G.S.
- On the failure of the Apple Trees in the neighbourhood of Montreal.—A communication to the Committee of the Natural History Society of Montreal. By John Archbold.
- On an Erect Sigillaria and a Carpolite from the Joggins, Nova Scotia. By J. W. Dawson, LL.D., F.G.S.
- The New Spectrum discoveries. By Professor Robbins.
- List of Diurnal Lepidoptera collected (unless otherwise specified)

in the immediate vicinity of London, Canada West. By W. Saunders.

An account of the Botanical and Mineral products, useful to the Chippewyan Tribes of Indians, inhabiting the McKenzie River District. By Bernard R. Ross, H.B.C.S.

List of Mammals, Birds, and Eggs, observed in the McKenzie River District, with Notices. By Bernard R. Ross, Corresponding Member, Nat. Hist. Soc., Montreal.

Notes on Chemical Subjects. By Professor S. P. Robbins, McGill Normal School.

On the date of the Report on the Geology of Wisconsin, noticed in this Journal, Vol. VI, p. 465.

Many of these papers combine great practical utility, with the scientific knowledge displayed in the manner in which the subjects have been handled. For example:—"Considerations relating to the Quebec Group, and the Upper Copper-bearing rocks of Lake Superior," by Sir W. E. Logan. "Notes on the History of Petroleum or Rock Oil," by Professor Hunt. "On the recent discoveries of Gold in Nova Scotia," by Principal Dawson. "On the Primitive Formations in Norway and in Canada, and their Mineral Wealth," by Mr. T. Macfarlane. (A series of exceedingly valuable papers.) "On the failure of the Apple Trees in the neighbourhood of Montreal," by Mr. John Archbold.—While others were of such a nature as to be of general interest to all Canadians; such as "Additional Notes on Aboriginal Antiquities found at Montreal," by Principal Dawson. "On the origin of the name of Canada," by Rev. Dr. Davies; and some others. But whatever may be the estimate formed, by those amongst whom we live, of the labours of this Society, and the proverb too often holds good that "a prophet hath no honour in his own country;" yet the *Natural History Society* of Montreal, is now a known and honoured Institution, not only on this continent, but in England, in all parts of the continent of Europe, and elsewhere. Besides its regular circulation, 50 copies of the *Canadian Naturalist* are distributed, on every issue of the bi-monthly numbers, amongst as many of the principal scientific societies throughout the world; and extracts therefrom are constantly being republished by them,

in their own journals and periodicals, with most honourable mention of our contributions to the cause of Natural Science in general, and the illustration of Canadian Natural History and Geology in particular. I wish, also, to direct attention to our Museum, which, in its Zoological Department, and indeed I believe I may say, as a general collection, is second to none now existing in the Province; and which we are anxious to see made useful, both as a means of assisting the labours of students, and creating a taste for Natural Science in the public at large. There is one department of which I would make special mention, both on account of its own value, and also because it is only very recently that it has been placed in a condition to be at all easily accessible by those seeking information from its stores. I allude to the *Herbarium*, respecting which I have received an interesting account from the Rev. A. F. Kemp, than whom there is no one amongst us better qualified to judge of its value, or describe its contents.

*Some account of the Herbarium of the Natural History Society of Montreal.*

"A Committee has been appointed to put this valuable Herbarium into such order as to render it henceforth more useful for the promotion of botanical research. Some progress has already been made in the work. It has been put into the hands of a gentleman well acquainted with the method adopted by the Botanical Society of Edinburgh in the preparation and arrangement of specimens. Less is known about the collection of dried plants, and less attention has been directed to it than its extent and value merit. It is understood that the late Dr. Holmes, whose Herbarium is one of the treasures of the McGill Museum, presented duplicates of most of his specimens, many years ago, to the Natural History Society. These form the original nucleus of our Herbarium. Additions have from time to time been made to it by other friends of the Society. Lady Dalhousie, who, while in Canada, was an enthusiastic botanist, presented a large collection of well prepared specimens of Canadian Flora, which it is understood forms part of the collection. The chief and by far the most valuable portion of the Herbarium, as well as the case in

which it is preserved, was however bequeathed to the Society by the late Mr. Macrae, who devoted some years to the study and collection of North American Flora. For this purpose he travelled extensively in the Northern States of America and in Canada East. He devoted much time and care to the preparation of his collections, and has left them in admirable condition and preservation. They have all been determined in accordance with the system of the latest American botanists; and comprise several valuable specimens from the Herbaria of Carey and Gray. Mr. Macrae fell into ill health and was long an invalid. An enthusiast in the science of botany, he deserves honourable mention and remembrance. Although he published nothing to attract attention, he yet is entitled, considering the extent and beauty of his collection, to be named along with the distinguished botanists of America. The collection should be entitled the *Macrae Herbarium*. If properly labelled and catalogued, it would form a good basis for a complete illustration of North American botany. It is hoped that before long, by the exertions of the Committee to whose care the Herbarium has been entrusted, it will be rendered easy of reference to the members of the Society, and that by a system of exchanges its lacunæ will be filled up."

"It is also worthy of notice that the Society has a considerable collection of marine algæ, carefully catalogued and determined, which might be useful to the students of this department of botany. The Society will be happy to receive additions to these collections from scientific friends."

The usual course of *Somerville* lectures were delivered during the last winter; as will be more fully noticed in the report of the Council, which will be read to you by-and-bye. I was only able to be present at two out of the six, having been absent from town when the rest were delivered, or else prevented by some unavoidable engagement elsewhere. But if the others were as interesting as those I heard, which I have every reason to believe they were, they will well have kept up the good name which the Society has earned in former years.

The first lecture, at which I was present, was that delivered by Rev. A. F. Kemp, "On minute forms of life, especially addressed



to the young." And it was matter of much regret to me and many others, that he so rigidly confined himself as to time, that he could not make use of half the very beautiful diagrams, which he had so carefully prepared to illustrate his subject. The other lecture was by the Rev. E. Wood, "A popular account of the Durham Coal-fields, with a brief narrative of a visit underground." This was, I should think, one of the most popular of the whole course; both from the graphic description given of those subterraneous regions—which, however, I own seem to me much pleasanter to hear of than to explore—and also from the circumstance that just at the time of its delivery we had received from England the heart-rending intelligence of the terrible catastrophe at the Hartley Colliery; the nature of which the lecturer most fully explained with appropriate diagrams. I think then that in various ways the Society is endeavouring faithfully to accomplish the objects for which it was incorporated, and to aid in which it receives an annual grant from the Legislature. And some indication that it is at length beginning to be better appreciated by the citizens of Montreal, may be gathered from the fact that 87 new members have joined us during the last year, more than one-third as many as our whole previous numbers. When I look back upon the state of the Society some ten years ago, at the time of my first becoming a member of it, when I think of the feeble efforts it was then making for the mere preservation of its actual existence, when I contemplate the names now on our list, both as to numbers, and, in so many instances, as to standing and well earned reputation, as men of science and learning, the good results of whose labours are acknowledged far and wide, wherever natural science is valued and cultivated; when I look at our present place of meeting with its well arranged museum, laboratory, library, and lecture room; when I see how and by whom I am now surrounded and supported, I begin with some confidence to realize the truth of the motto which the Society has adopted, and I feel that it is indeed becoming no idle boast to assert, "Tandem fit surculus arbor." And though our usefulness and progress are still very much crippled by the remaining debt due by the Society, incurred by erection of this building in which we are now as-

sembled; yet I cannot but entertain a strong hope that, by the increasing support of our fellow-citizens, which it is our endeavour to merit by our labours, we shall, at no distant day, be entirely relieved from this incumbrance.

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#### REPORT OF COUNCIL.

The period having arrived when it becomes the duty of your Council to lay before you the usual Annual Report, they have now the pleasure of presenting you their Report of progress during the past year, and such a statement of the affairs of the Society as they hope will meet with your entire approval.

The Society during the past year has steadily advanced and prospered. Many valuable and interesting papers have been read, the monthly meetings have been well attended, and the Somerville Course of Lectures delivered to large audiences. Important additions have been made to the Museum and the Library, the list of members has largely increased, and the amount of dues received from this source has improved the finances of the Society. The publication of the "Canadian Naturalist and Geologist" has been continued with increased efficiency, and its circulation much extended.

#### LECTURES.

The following Annual Free Course of Somerville Lectures was delivered under the auspices of the Society:

February 6th, 1862.—On the harmony resulting from apparent discords and anomalies in nature.—CHARLES ROBB, Esq., C.E.

February 13th, 1862.—On the utility of birds to agriculture, and the desirability of endeavoring to prevent their destruction on the Island of Montreal.—ALFRED RIMMER, Esq.

February 20th, 1862.—On minute forms of life, especially addressed to the young.—REV. A. F. KEMP.

February 29th, 1862.—"A popular account of the Durham coal fields, with a brief narrative of a visit underground."

REV. EDMOND WOOD, M.A.

March 6th, 1862.—On some relations of the mineral, vegetable and animal kingdoms.—DR. T. S. HUNT.

March 20th, 1862.—On the Geological History of a lump of coal.—DR. DAWSON.

## MEMBERSHIP.

This department has been under the charge of a Committee of the Council of four members, whose labors have been most praiseworthy and successful.

The list of members compared with that of last year is as follows:—

	1860-61	1861-62
Life members, - - - -	36	38
Ordinary members, - - - -	180	261

Eighty-seven ordinary members having been elected during the year, and two only having resigned, and two died. Two corresponding members only were elected. Two ordinary members of the Society, C. Dunkin, Esq., M.P.P., and H. J. Ibbotson, Esq., have been elected life members on account of very munificent donations of books to the library.

## PAPERS READ.

During the year twenty-eight papers have been read at the monthly meetings, and the more important of them published in the "Naturalist." These papers have been more fully noticed in the President's address.

## PUBLICATION OF THE "NATURALIST."

In connection with the system of exchanges with scientific journals of other countries, your Council have to remark that the papers published in the "Naturalist" have been extensively reproduced in other journals, and the reputation of this society and its journal extended and increased, and the "Naturalist" obtained a wider and larger circulation and a foremost place as one of the representatives of Canadian science, very many valuable exchanges have thereby been added to our library, which when carefully preserved and bound will largely increase the number of volumes in charge of the librarian.

To D. A. Poe, Esq., of the Editing Committee, to whom was entrusted the editorial supervision, as well as the members of the

Editing Committee, the Society is indebted for their exertions and labors in connection with the "Naturalist."

#### MUSEUM AND LIBRARY.

The Reports of the Library Committee and of the Curator are herewith submitted. Very many valuable donations have been presented to the Society during the past year, both to the museum and to the library. There is still much to be done in the labelling and arrangement of the specimens in the museum; and it is hoped that this work will be pushed forward by our successors. The cabinet-keeper, Mr. Hunter, has assiduously attended to his duties, the interests of the Society and the care of the museum. The numerous additions to the latter have been carefully prepared and preserved by him.

#### GENERAL AFFAIRS.

The Council have to acknowledge with pleasure the receipt of the annual grant of \$1000 cy., from the Government in aid of the Society. The financial affairs, as detailed in the annexed Treasurer's Report, are highly gratifying. The actual debt of the Society has been lessened about \$300 cy., and all interest on the loans and the old accounts fully paid up. Negotiations to transfer the debt in mortgage, with a lesser rate of interest, are now nearly completed. There is every reason to hope that, by increased exertion, the burdensome debt now crippling the Society may in the coming year be decreased.

The notification of the monthly meetings is now made by circular to each member, and the charge for advertisements in the newspapers, which from the number of meetings formerly reached to a large sum, entirely done away with, and the attendance of members secured at little expense.

Petitions have been forwarded to the Legislature for legislative enactment for the protection of the smaller birds, similar to that which exists in other countries, and should action be therein taken by the Legislature, great benefit will be conferred on the farmer and gardener. An act for the amendment of the constitution is now under the consideration of Parliament, and, if passed, the efficiency of the Society will be thereby increased.

A committee of the members is now on deliberation concerning the "disease of the apple trees on the Island of Montreal," a subject of great and practical importance, and their report will be of great value to horticulturalists and to the Society.

From a review of the events of the past year, and the progress of the Society, your Council have every reason to believe that their ardent wishes for the increase of the prosperity and usefulness of the Society will be realized, and that the Society may meet with still greater success, and obtain that support from its members and the public to which it is justly entitled, much, very much depends upon the zeal and activity of the members, and if they would see the Society rank more prominently as a public institution, its debt liquidated, and its membership augmented, they too must assist. It is upon the subscription that we are to depend in a great measure for funds not only to meet the current expenses, but to pay the old debts, and enable the Society to engage in furthering the study of Natural History. Let the members feel that a certain amount of responsibility rests upon them. The Council acting in conjunction would find additional motives for zeal and activity, and in promoting the legitimate objects of the Society. They should feel that the members are auxiliaries in their labors, and that their valuable counsel and assistance is afforded. The Society then will surely realize its important position.

Montreal, 15th May, 1862.

LIST OF DONATIONS TO THE MUSEUM.

DONORS' NAMES.	DONATIONS.
John Leeming, Esq. ....	Specimen of a Bill-fish, ( <i>Lepidosteus Huronensis</i> .)
James Ferrier, Jr., Esq. ..	Do. do.
Stanley C. Bagg, Esq. ...	Snuff-box of a Mandarin.
	Map of the Seceding States of America.
	Piece of Christ Church Cathedral Bell.
	Piece of Magnetic Wire from Sebastopol.
	Rock Specimen from Cape Diamond, C. E.
	Do. Sault-aux-Recollets.
Mr. William Hunter....	Male Canada Porcupine, ( <i>Hystrix dorsata</i> .)
	Nest of Indigo Bird, ( <i>Spyzia Cyanea</i> ), 4 eggs.

## LIST OF DONATIONS TO THE MUSEUM.

DONORS' NAMES.	DONATIONS.
William Nivin, Esq. ....	Rice Bunting, ( <i>Dolichonyx oryzivora</i> .) Baltimore Creole, ( <i>Icterus Baltimore</i> .) Red-winged Starling, ( <i>Aglaius Phœniceus</i> .) Tyrant Fly-catcher, male and female, ( <i>Muscicapa tyrannus</i> .) Yellow-billed Woodpecker, male and female, ( <i>Picus varius</i> .) Common Blue-bird, female, ( <i>Sialia Wilsonii</i> .)
John Leeming, Esq. ....	Three Purple Grakles, two males and one female, ( <i>Quiscalus versicolor</i> .) Red-winged Starling, ( <i>Aglaius Phœniceus</i> .) Rice Bunting, ( <i>Dolichonyx oryzivora</i> .) Purple Finch, ( <i>Erythropsiza purpurea</i> .) Nest of Young King-fishers (1), ( <i>Alcedo alcyon</i> .) Common Crow, ( <i>Corvus Americanus</i> .)
S. J. Lyman, Esq. ....	A pair of live Turtles for the Aquarium.
Alfred Baynes, Esq. ....	A young female Fox, ( <i>Vulpes fulvus</i> .)
Mr. John C. Struthers...	Common Tree Frog, ( <i>Hyla versicolor</i> ), from Darlington, C. W.
Mr. Atcheson .....	Specimens of Conglomerate from Hamilton, C. W. Egg of the Great Northern Diver, or Loon, ( <i>Colymbus glacialis</i> .)
F. D. Fulford, Esq. ....	White-breasted Nest-hatch, ( <i>Sitta Carolinensis</i> .)
Mr. David .....	Specimen of Garter Snake, ( <i>Coluber sirtalis</i> .) Female Gos-Hawk, ( <i>Falco palumbarius</i> ), from Three Rivers.
Mrs. Col. Denny .....	Skin of a Flamingo from Carthage.
Mrs. Harvey .....	A species of Lizard.
H. G. Vennor, Esq. ....	A species of Turtle from Constantinople.
George Barnston, Esq. ....	Three Eggs of the Spotted Sandpiper.
John D. McCord, Esq. ....	Four Eggs of the White-throated Sparrow.
Mr. William Hagar .....	Garter-Snake and young, ( <i>Coluber sirtalis</i> .) Piece of the Cap of a Bell burnt by Confederates at Harper's Ferry.
Mr. J. C. Swanston .....	Coin of the reign of Queen Anne, 1703.
Mr. Rowe .....	Great Blue Heron, ( <i>Ardea Herodias</i> ), from Norton Creek, C. E.
Mr. Thomas Swanston .....	Specimen of Horned Frog.
Peter Redpath, Esq. ....	" <i>Gorgonia pinnata</i> from California. " Cray-fish from Mammoth Cave, Virginia.
Mr. Charles Robb .....	Copper Beads and Shells of <i>Purpura</i> ; Indian relics found near Brockville, C. W., with explanatory notice.
Thos. Savage, Esq. ....	Great Horned Owl, ( <i>Bubo Virginiana</i> ), from Shefford, C. E.

## LIST OF DONATIONS TO THE MUSEUM.

DONORS' NAMES.	DONATIONS.
A. F. Brown, Esq.....	Specimen of Fruit.
James Hempstead, Esq..	Collection of New Zealand War Implements.
Mr. G. H. Vennor.....	Salmon Trout from Lake Magog, C. E.
Dr. J. A. Crevier.....	A Turtle from Constantinople.
Mr. James Thomson.....	Pair of Gold Fishes for Aquarium.
Mr. John Sheppard.....	Specimen of Scrub Pine.
	“ Fungus.
John Leeming, Esq.....	Nine Busts and Statuettes.
	Three Porcelain Jugs and Vases.
Dr. Dawson.....	Collection of Plants from Mount Washington.

## LIST OF DONATIONS TO THE LIBRARY.

DONORS' NAMES.	NAMES OF BOOKS.
Official.....	Canada Gazette.
“.....	Journal of Education.
The Publishers.....	Canadian Naturalist and Geologist.
Exchange for Naturalist.	Canadian Journal, Toronto.
	Annals of Botanical Society of Canada.
	Proceedings of Lit. and Hist. Soc. Quebec.
	Silliman's American Journal.
	Journal Franklin Institute.
	Proceedings of Essex Institute.
	“ Entomological Soc. of Phila.
The Publishers.....	London Geologist.
	“ Technologist.
	“ Phytologist.
	Journal of Society of Arts.
	British American Journal.
	Scientific American.
	Academy of Arts and Sciences, Philadelphia, 5 volumes, and Nos. 329 to 884.
Official.....	Statutes of Canada, in English and French.
	Historical Magazine, June, 1861.
	Explication du Zodiaque, Caen, 1861.
The Author.....	Les Oiseaux du Canada, par J. M. Lemoine.
	Dundas, or Early Canadian History, by James Croil, Esq.
	Pamphlets on <i>Sanguinaria Canadensis</i> , by Dr. Gibb.
J. A. Perkins, Jr.....	Smithsonian Contributions for 1856.

Received regularly.

## LIST OF DONATIONS TO THE LIBRARY.

DONORS' NAMES.	NAMES OF BOOKS.
Smithsonian Ins., Washington .....	Smithsonian Contributions for 1856.
Mr. Hammond.....	Pamphlets on Nat. Hist. Konigsberg.
Royal Academy, Stockholm.....	Entomologiska Bidrag, P. III, 1859.
Dr. Dawson.....	Calendar of McGill University.
U. S. Patent Office, Washington .....	United States Patent Laws and Directions, 2 vols.
	California Agricultural Soc. Jour., March to May, 1861.
C. Dunkin, Esq., M.P.P.	19 vols. Natural History of State of New York, with the accompanying maps.
	Ray's Natural History.
S. L. Goodale, Esq.....	Report of Maine Board of Agriculture, 1860.
Dr. Gibb, London.....	Addresses of Presidents Geol. Soc. of London, 3 copies.
Jules Marcou, Esq.....	Pamphlets on Taconic and Lower Silurian Rocks.
University of Norway...	Scientific Pamphlets, 1 book and 16 pamphlets.
Hon. East India Co., London.....	Magnetical and Meteorological Observations for 1859, Bombay Observatories, 9 pamphlets.
Geological Soc., Berlin..	8 pamphlets on scientific subjects.
John Leeming, Esq.....	Taylor's Statistics of Coal, 1 vol. 8vo.
35 Vols.	Bituminous Substances employed in arts, Philadelphia, 1855.
	Waddington's Visit to Ethiopia, London, 1822.
	Antiquities, &c., in St. Peter's, Westminster.
	6 vols. Statistique Général de la France.
	2 vols. Bibliothèque des Mémoires.
	1 vol. Algebra, M. Bourbon.
	5 vols. Chimie, Thenard.
	1 vol. Histoire des Etats Européens.
	1 " " de Moyen Age.
	2 vols. Œuvres de Me. la Duchesse de Duras.
	1 vol. Littérature et des Arts.
	4 vols. Murray's Chemistry.
	2 vols. Wilkinson on Galvanism.
	2 vols. Outlines of Mineralogy and Geology.
	4 quarto vols. Life of James the First of England.



## THE CANADIAN NATURALIST.

The *Canadian Naturalist* is sent to the following Institutions, and Societies:—

## CANADA, ETC.

University College,.....	Toronto.
Trinity College,.....	“
Canadian Institute.....	“
Knox College.....	“
Victoria College,.....	Cobourg.
Queen's College,.....	Kingston.
Botanical Society,.....	“
McGill College,.....	Montreal.
Bishop's College,.....	Lennoxville.
Laval University,.....	Quebec.
Literary and Historical Society.....	“
Natural History Society.....	St. John, N. B.

## UNITED STATES.

Harvard College.....	Cambridge, Mass.
Amherst College.....	Amherst.
Yale College,.....	New Haven.
Natural History Society,.....	Boston.
American Acad. Sciences.....	“
Essex Institute,.....	Salem.
Lyceum of Natural History,.....	New York.
Astor Library.....	“
Academy of Natural Sciences,.....	Philadelphia.
Franklin Institute.....	“
American Philosophical Society.....	“
Smithsonian Institute,.....	Washington.
Academy of Science,.....	St. Louis.
University of Nashville,.....	Tennessee.

## GREAT BRITAIN.

Geological Society,.....	London.
Linnean Society,.....	“
Royal Society,.....	“
Entomological Society,.....	London.

Zoological Society,.....	London.
Society of Arts,.....	“
Chemical Society.....	“
Geological Survey of Great Britain.....	“
Botanical Society,.....	Edinburgh.
Royal Physical Society,.....	“
Royal Society,.....	“
Royal Scottish Society of Arts,.....	“
Geological Society,.....	Dublin.
Royal Irish Academy,.....	“
Royal Society,.....	“
Literary and Philosophical Society,.....	Manchester.
Natural History Society,.....	Newcastle upon Tyne.

## CONTINENT OF EUROPE.

Société Géologique de France,.....	Paris, France.
Academy of Sciences.....	“
Académie des Sciences, Arts, &c.,.....	Dijon. “
L'Académie Royale des Sciences, etc.....	Lyons. “
Academia Car. Leop.,.....	Jena, Saxe Weimar.
Kaiserlichen Academie,.....	Vienna, Austria.
Im. Geological Institute.....	“
Deutsches Geolog. Gesellschaft,.....	Berlin, Prussia.
Königlichen Akademie der Wissenschaften.	“ “
Koninklijke Akademie van Wetenschappen.	Amsterdam.
Königl. Gesellschaft der Wissenschaften...	Göttingen.
Société Hollandaise des Sciences.....	Haarlem.
Königl. Sachs. Gesellschaft der Wissen- schaften.....	Leipzig.
Société Imperiale des Naturalistes.....	Moscou.
Königl. Bayerischen Akademie der Wissen- schaften.....	Munich.

And to the following Periodicals:—

## CANADA.

The Medical Journal,.....	Montreal.
Journal of the Board of Arts.....	Toronto.

## UNITED STATES.

Silliman's Journal,.....New Haven.

## GREAT BRITAIN.

Annals and Magazine of Natural History,..London.

The Geologist,.....“

The Phytologist,.....“

The Zoologist,.....“

The Ibis,.....“

The Technologist,.....“

London, E. and D. Philosophical Magazine. “

Natural History Review,.....“

Microscopical Journal,.....“

Chemical News,.....“

The Builder,.....“

The Engineer,.....“

The Gardeners' Chronicle,.....“

Edinburgh New Philosophical Journal,..Edinburgh.

## CONTINENT OF EUROPE.

Annales des Sciences Naturelles,..Paris, France.

Archives de Musée,.....“ “

Allgemeine Deutsches Naturh. Zeitung,..Dresden, Saxony.

Archiv. fur Naturgeschichte by Weigman,.Berlin, Prussia.

Leopoldina,.....Jena, Saxe Weimar.

Leonhard und Brohn Jahrbuch,.....Stuttgart, Wurtemberg.

Flora,.....Ratisbon, Bavaria.

The following Act for amending the charter has been obtained during the Session of Parliament which closed June, 1862.

*An Act further to amend the Charter of the Natural History Society of Montreal.*

**W**HEREAS the Natural History Society of Montreal have by their petition prayed that the Acts hereinafter mentioned, constituting their charter, may be amended in the manner hereinafter set forth, and it is expedient to grant their prayer; Therefore, Her Majesty, by and with the advice and consent of the Legislative Council and Assembly of Canada, enact as follows :

1. The tenth section of the Act of the Parliament of the late Province of Lower Canada, passed in the second year of the Reign of His late Majesty William the Fourth, chapter sixty-five, is hereby repealed.
2. The said Society shall from time to time for ever hereafter, have power to make and ordain all such By-laws, rules and regulations as they shall judge proper for prescribing the functions of their Council and officers, the amount, times and terms of payment of the contributions of their members to the funds thereof, the mode of enforcement of such By-laws, rules and regulations, whether by suspension or otherwise, and generally for the due conduct of the business and affairs thereof: and to repeal and amend the same: and by such By-laws, rules and regulations, or by any repeal or amendment thereof, to make any changes which they shall deem expedient in respect to the requirements of the third, fourth, fifth, seventh, eighth and ninth sections of the said Act, and also of the requirements of the second section of the Act of the Parliament of this Province, passed in the twelfth year of Her Majesty's Reign, and chaptered one hundred and eighteen, as touching the number and titles of their officers—the number and composition of their Council,—the time of the holding of their annual and other meetings, and of the election of their officers and Council,—the quorum for the election of members of whatever class, and for the transaction of other descriptions of

business,—and the formalities and mode of election of members of the Society, whether ordinary, corresponding, or extraordinary; but no motion for the repeal or amendment of any such By-law, or for the passing of any By-law in respect of any such matters, shall be finally put to the vote at any meeting of the Society, unless by virtue of an order to that effect made at a previous meeting of the Society, whereof due and sufficient notice shall have been given to the members of the Society.

3. This Act shall be deemed a public Act, and shall be construed as though it and the said two Acts formed together one and the same Act; and the expression “the charter of the Natural History Society of Montreal,” shall be to all intents whatever a sufficient citation of the said two Acts and of this Act.

The business of the Annual Meeting was then proceeded with, and the

Reports of the Treasurer, Library Committee, Editing Committee, Curators, and Membership having been read, it was

Moved by David Mackay, Esq.; seconded by Prof. Cornish, That the various reports now presented be accepted, and with his Lordship's address be printed as usual, which was carried unanimously.

After other business

It was moved by the Rev. Canon Thompson; seconded by Captain Clarke, 47th Regiment, and carried unanimously:

“That the thanks of the Society be now given to the officers of the past year.”

Moved by Mr. John Lowe; seconded by Mr. Clouston, and resolved unanimously:

“That the Membership Committee appointed last year be continued this year.”

Moved by W. H. Hingston, M.D.; seconded by Principal Dawson, and resolved unanimously:

“That a donation of fifty dollars be made to Mr. Wm. Hunter, for his valuable services as Janitor during the past year.”

William Skakel, Esq., one of the oldest members and original founders of the Society, was elected by acclamation an honorary member.

A vote of thanks was given to Mr. Stanley Bagg, for special services on behalf of the Society, after which the meeting adjourned until the last Monday in June.

At the meeting on Monday, 30th June; the amended act being in operation, the following were duly elected as the officers of the Society for the coming year:

OFFICERS FOR 1862-3.

*President*—The Lord Bishop of Montreal and Metropolitan.

*Vice-Presidents* { Sir W. E. Logan, LL.D., F.R.S.  
Principal Dawson, LL.D., F.R.S.  
Rev. A. F. Kemp.  
Mr. W. H. A. Davies.  
T. Sterry Hunt, M.A., F.R.S.  
E. Billings, F.R.S.

*Corresponding Secretary*—W. H. Hingston, M.D.

*Recording Secretary*—Mr. John Leeming.

*Treasurer*—Mr. James Ferrier, jr.

*Curator*—R. Craik, M.D.

*Council*—Rev. Dr. DeSola, Messrs. E. Murphy, Stanley C. Bagg, Alfred Rimmer, W. Fraser, M.D., D. A. Poe, Prof. P. J. Darey, M. A., Prof. A. Johnson, LL.D., C. Robb, C. E.

*Library Committee*—Messrs. J. C. Becket, H. Rose, Professor Cornish, Dr. Fenwick, and D. Mackay.

*Editing Committee of the "Naturalist"*—Mr. D. A. Poe, *Acting Editor*; Principal Dawson, Prof. T. S. Hunt, Mr. E. Billings, Professor Robins, W. H. Hingston, M. D., and Mr. John Leeming.

DR. THE NATURAL HISTORY SOCIETY OF MONTREAL IN ACCOUNT WITH JAMES FERRIER, JUNR., TREASURER. CR.

1861.		RECAPITULATION.	
May 1.			
Balance due the Treasurer,.....	\$173 25		
Cash paid, Mr. Hunter's salary,.....	200 00		
“ J. A. Perkins, Jr.....	100 00		
“ C. McCormick.....	46 20		
“ Interest.....	318 00		
“ for Fuel,.....	122 00		
“ City Assessments.....	111 10		
“ Water Rent.....	81 75		
“ Gas Account.....	24 60		
“ Insurance.....	38 00		
“ Books and Binding.....	252 30		
“ Advertising and Printing.....	148 16		
“ Repairs and fixtures.....	67 48		
“ Incidental expenses.....	35 90		
Balance in Treasurer's hands.....	16 26		
			\$1735 00

Montreal, 1st May, 1862.

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

\$1735 00

RECAPITULATION.

1862.

May 1.

By cash received for subscriptions and diplomas..... \$715 00  
By cash received for admission fees to museum..... 20 00  
By cash received for annual govern. grant..... 1000 00

REPORT OF THE CURATOR AND LIBRARIAN TO THE NATURAL  
HISTORY SOCIETY OF MONTREAL FOR THE YEAR ENDING  
19TH MAY, 1862.

GENTLEMEN,—I beg respectfully to report that the collection in the Museum has been increased during the year by the addition of numerous specimens, a list of which is subjoined, and many of the older specimens, particularly among the birds and quadrupeds, have been cleaned and repaired.

Five new glass cases have been placed in the museum during the year, for the accommodation of new specimens, and such of the old as from their value and condition required more careful preservation.

Some progress has also been made in relabelling a portion of the collection which has hitherto been defective in this respect, and such measures have been adopted as will secure a much more correct scientific arrangement of the specimens, and render the collection more useful to students of natural history.

The Library has also been enriched during the year by the large number of exchanges now on the list of the "Naturalist," as well as by donations of many rare and valuable books, a list of which is also subjoined.

The whole respectfully submitted.

ROBERT CRAIK, M. D.,  
*Curator and Librarian.*

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REPORT OF THE MEMBERSHIP COMMITTEE.

At the annual meeting of the Natural History Society last year, it was deemed expedient to make an effort to increase the number of its members. It was therefore moved by A. Morris, Esq., seconded by Dr. Dawson, and resolved, That Messrs. Bagg, Craik, Rimmer, and Goudie, be a committee for the purpose of increasing the membership of the Society by such means as they may deem advisable. Acting upon the above resolution, Mr. Bagg requested the assistant secretary to call a meeting of the Committee, and a circular was issued in furtherance of the object of its formation. In canvassing for members it was ascertained that



several of the former members of the Society had withdrawn therefrom, and the names of others had for several years been omitted in the annual reports. Many declined being proposed anew, and others generously consented to assist again both by their presence and with their means, the Society in whose behalf it was our pleasure to exert ourselves. Since the last annual meeting eighty-nine members have been proposed, of this number fifty were proposed by the Chairman of this Committee, sixteen by other members thereof, and twenty-one by members of the Society, not on the Membership Committee. Large as the increase may appear, it is with regret we must admit, that had due diligence been done, one hundred members might easily have been obtained, but enough has been accomplished to shew the utility of again electing a Membership Committee, and it is to be hoped that a laudable ambition on the part of our successors in office to eclipse our efforts, may redound to the advantage of this important and interesting Society.

STANLEY C. BAGG, *Chairman*,  
ROBERT CRAIK, M. D.

Montreal, 5th May, 1862.

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

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*Life Members.*

<p>HUGH ALLAN, ESQ.</p> <p>THOS. E. BLACKWELL, ESQ.</p> <p>STANLEY C. BAGG, ESQ.</p> <p>HENRY CHAPMAN, ESQ.</p> <p>A. H. DAVID, ESQ., M.D.</p> <p>W. H. A. DAVIES, ESQ.</p> <p>J. W. DAWSON, LL.D., F.R.S.</p> <p>C. DUNKIN, ESQ., M.P.P.</p> <p>WM. EDMONSTONE, ESQ.</p> <p>HON. JAMES FERRIER, M.L.C.</p> <p>G. H. FROTHINGHAM, ESQ.</p> <p>WM. FRASER, ESQ., M.D.</p> <p>JAMES FERRIER, JR., ESQ.</p> <p>IRA GOULD, ESQ.</p> <p>HON. L. H. HOLTON.</p> <p>W. H. HINGSTON, ESQ., M.D.</p> <p>WM. HOBBS, JR., ESQ.</p> <p>HENRY J. IBBOTSON, ESQ.</p> <p>J. H. JOSEPH, ESQ.</p>	<p>SIR WILLIAM E. LOGAN.</p> <p>JOHN LEEMING, ESQ.</p> <p>WILLIAM LUNN, ESQ.</p> <p>HENRY LYMAN, ESQ.</p> <p>BENJAMIN LYMAN, ESQ.</p> <p>L. A. H. LATOUR, ESQ.</p> <p>FRED. McCULLOCH, ESQ.</p> <p>HON. GEO. MOFFATT.</p> <p>THE RIGHT REV. THE LORD BISHOP OF MONTREAL.</p> <p>WILLIAM MOLSON, ESQ.</p> <p>ROBERT MUIR, ESQ.</p> <p>JAMES MITCHELL, ESQ.</p> <p>J. G. MACKENZIE, ESQ.</p> <p>WILLIAM NIVIN, ESQ.</p> <p>THOMAS PATON, ESQ.</p> <p>DUNCAN ROBERTSON, ESQ.</p> <p>ALFRED SAVAGE, ESQ.</p> <p>N. S. WHITNEY, ESQ.</p> <p>J. H. WINN, ESQ.</p>
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**Honorary and Corresponding Members.**

*Elected from 1849 to 1862.*

Sept. 29, '45.	Major Kendall,.....	Cor.
June 26, '46.	Dr. W. Newcomb,.....Troy, N. Y.....	Cor.
June 25, '47.	Jno. Patterson Cunningham, Mineralogist,.....Virginia, U. S.....	Cor.
	Jos. Jas. Forrester, K.C.V.V.Oporto, .....	Cor.
	J. W. Leaycraft,.....	Cor.
Nov. 29, '47.	Hon. Adam Ferguson,.....Woodhill, C.W.....	Cor.
	Henry Holmes Croft, Profes- sor of Chemistry, Univer- sity College,.....Toronto, .....	Cor.
April 24, '48.	Major Lachlan,.....Cincinnati, .....	Cor.
June 25, '49.	Dr. John Hillier Blount,....Birmingham, England, .....	Cor.
July 30, '49.	C. S. DeBleury,.....	Cor.
	Wm. Notman,.....	Cor.
	Jean Chas. Taché,.....Rimouski,.....	Cor.
	Chas. Payne, M.D.....	Cor.
May 29, '50.	A. M. McWhinnie,.....London, England,....	Hon.
	T. J. Geoghegan, M.D.....Dublin, Ireland,.....	Hon.
	T. McDonald, .....	Cor.
Aug. 26,	Dr. Sabourin, .....	Longueuil, (elected '37) Cor.
Jan. 27, '51.	Cecil Percival Stone (late of Montreal),.....	Cor.
Jan. 27, '51.	George Barnston, Hon. Hud- son Bay Co.....	Cor.
April 25, '52.	Samuel Kneeland, M.D., Prof. and Curator of Compara- tive Anatomy, Society of Natural History,.....Boston, Mass.....	Cor.
Aug. 30, '52.	Rev. Dr. Wm. Scoresby,....Rochdale, England,..	Cor.
	Dr. Robert M. Huston,.....Philadelphia, Penn....	Cor.
	Wm. Rogerson,.....Royal Observatory, Greenwich,.....	Cor.
	Wm. Andrews,.....Quebec,.....	Cor.
	J. Adolphus Thurberg,....Louisiana,.....	Cor.
	Rev. Andrew Bell,.....Dundas, C.W.....	Cor.
	T. Bouthillier, M.D.....St. Hyacinthe, .....	Cor.
Sept. 8, '52.	Dr. J. C. Warren, President of the Nat. Hist. Society,..Boston, Mass.....	Hon.
	Dr. James Deane,.....Greenfield, Mass.....	Cor.
	M. C. Brodie,.....Beauharnois .....	Cor.

- E. A. H. Allen,.....Troy, N.Y..... Cor.  
 Oct. 25, '52. Prof. Thos. McCulloch,.....Truro, N.S..... Cor.  
 Wm. Goodenough Wheeler,  
 M.D.....Chelsea, Mass..... Cor.  
 Rev. Wm. Scott,.....Sherbrooke, C. E..... Cor.  
 Nov. 29, '52. B. P. Johnson, Pres. Agric.  
 Society, .....New York,..... Cor.  
 Samuel Walker, Pres. Mass.  
 Horticultural Society,..... Cor.  
 Capt. H. Lefroy, R.A., F.R.S.,  
 Director of the Royal Mag-  
 netic Telegraph,.....Toronto, ..... Hon.  
 Aimé Bouchard, M.D., Mem-  
 ber of the Academy of Me-  
 dicine, .....Paris,..... Hon.  
 Milne Edwards, M.D., Mem-  
 ber of the Academy of  
 Sciences, .....Paris,..... Hon.  
 Hon. A. N. Morin,.....Quebec,..... Cor.  
 Sir John P. Boileau, Bart.,  
 F.R.S.,.....London,..... Cor.  
 John L. Leconte, M.D.....Philadelphia,..... Cor.  
 J. Eliot Cabot, Cor. Sec.  
 Nat. Hist. Society,.....Boston, Mass..... Cor.  
 John Cassin, Cor. Sec. of the  
 Acad. of Nat. Sci.....Philadelphia..... Cor.  
 John Gundlack, M.D.,.....Cardenas, Cuba..... Cor.  
 M. Puyen, Prof. Chemistry,  
 and Member of the Insti-  
 tute of Paris,..... Cor.  
 Prof. W. Buckland, .....Toronto, ..... Cor.  
 Feb. 28, '53. Dr. Joseph Henry, Secretary  
 Smithsonian Institution, .. Washington, D.C..... Hon.  
 Dr. Charles Huguet Latour, ..St. Rémi, ..... Cor.  
 Feb. 28, '53. Dr. J. W. Salisbury, Chemist  
 and Mineralogist to the  
 New York State Agricul-  
 tural Society,.....Albany,..... Cor.  
 Feb. 28, '53. Geo. Webber Breton,.....Paris,..... Cor.  
 Geo. Jephson Rumley,.....Dublin,..... Cor.  
 Archd. Cameron,.....Pointe du Chêne,..... Cor.  
 March 28, '53. Jos. Cauchon, M.P.P.....Quebec,..... Cor.  
 Benj. Franklin Niles,.....Washington, D.C..... Cor.  
 Francis Marker, Jr.....Washington, D.C..... Cor.

- Samuel Dutton,.....Guernsey, Chan. Isl. .. Cor.  
H. Thieleke,.....Quebec, ..... Cor.  
Frs. H. Garneau,.....Quebec, ..... Cor.  
Charles Laberge,.....St. Mathias,..... Cor.  
Rev. F. Pelote, College of  
Ste. Anne de la Poca-  
tière, ..... Cor.  
Dr. Rae,.....Hon.  
Dr. Theophile Huguet La-  
tour,.....Boucherville,..... Cor.  
**April 27, '53.** Vertue Edwards, M.R.C.S.L.London, England,..... Cor.  
Pierre Martial Bardy, M.D.,.Quebec,..... Cor.  
Arthur Hill Hussell, M.B.,.London ..... Cor.  
Thos. Wakely, Jr., F.R.C.S.L.London ..... Cor.  
Wm. Bell, .....London ..... Cor.  
W. H. Perley,.....Fredericton, N. B. .... Cor.  
Philip Claiborne Gooch, M.D. Richmond, Va. .... Cor.  
Lieut. Col. Campbell,.....St. Hilaire, ..... Cor.  
Eben Wright, M.D., Cor. Sec.  
Mass. Hist. Soc. .... Boston, Mass. .... Cor.  
Alex. Murray,.....Woodstock, C.W. .... Cor.  
**July 26, '53.** .....Hon.  
Geo. G. Francis, .....Swansea, England,.... Cor.  
Geo. Prev. Bouch. De Bou-  
cherville,.....Sherbrooke, C.E. .... Cor.  
John Fell Trudeau, M.D. .... St. Louis, Missouri,.... Cor.  
Rev. Jean Langevin,.....Quebec, ..... Cor.  
Albert Baker, M.D. .... Stancross, Devon, Eng. Cor.  
John Gilson,.....Rome, Italy, ..... Cor.  
**Nov. 28, '53.** Cassimir Dessaulles,.....St. Hyacinthe,..... Cor.  
Hamilton D. Jessup, M.D. .... Prescott, ..... Cor.  
M. Turcot, M.D. .... St. Hyacinthe, ..... Cor.  
Rev. J. B. Ferland,.....Quebec, ..... Cor.  
L. A. Dessaulles, .....St. Hyacinthe, ..... Cor.  
Rev. M. Laveillée,.....St. Vincent de Paul, ... Cor.  
**Jan. 5, '54.** O'Bryan Bellingham, M.D. ....  
F.R.S., M.R.C.S.L. .... Dublin, .....Hon.  
Robert Stephenson, M.P.,...England, .....Hon.  
**June 30, '54.** Rev. M. A. Trudeau,.....Buffalo, N.Y. .... Cor.  
Edward Crisp, M.D., F.R.C.  
S.E. .... London ..... Cor.  
Edw. Smith, M. D., L.L.B.,  
F.R.C.S. .... London ..... Cor.  
Edw. L. Ounerod, M.B. .... Brighton, ..... Cor.

- James Spence,.....Pointe Claire,..... Cor.
- April 24, '54. Rev. Michael Ashton,.....Adelaide, Australia,... Cor.
- June 26, '54. Rev. John Jenkins,.....Philadelphia, ..... Cor.
- Oct. 30, '54. Rev. Louis Ed. Bois,.....Maskinongé,..... Cor.  
Dr. Amadé Weilbraim,.....Tournay,..... Cor.
- Jan. 29, '55. Sir James Edw. Alexander,..... Cor.
- June 25, '55. André Cherrier,..... Cor.  
General Rowan,..... Cor.  
Dr. Litchfield,.....Kingston, ..... Cor.
- Oct. 29, '55. Wm. Couper, Entomologist, Quebec,..... Cor.  
Sir Edward W. Head, Bart.,  
Gov. Gen.....Hon.
- March 31, '56. Hon. G. E. Cartier,..... Cor.  
Hon. F. Lemieux,..... Cor.  
A. Brunel,.....Toronto, ..... Cor.  
Rev. W. Brethour, M.A.....Ormsdown, ..... Cor.
- April 28, '56. Hon. L. V. Sicotte, M.P.P..St. Hyacinthe, ..... Cor.  
Hon. E. P. Taché,.....Toronto,..... Cor.
- May 19, '56. Asst. Com. Gen. Ibbetson,..... Cor.  
Sir Wm. Logan, Knt., F.R.S.,  
F.G.S., LL.D.....Hon.  
Charles Smallwood, M. D.,  
LL.D.....Hon.
- Jan. 28, '56. P. L. McDonald, Advocate, Toronto, ..... Cor.  
Rev. John Flanagan,.....Lachine, ..... Cor.  
J. C. Lee, M.D.....London, C.W..... Cor.  
Prof. J. P. Heyfelder,.....Finland,..... Cor.
- Sept. 29, '56. Prof. Hall.....Albany,.....Hon.  
Prof. Mitchell,.....Cincinnati, .....Hon.  
Prof. Dunglison,.....Philadelphia,.....Hon.
- Dec. 29, '56. H. P. Gosselin,.....Clarendon,..... Cor.  
Alex. Copland,.....Hinchinbrooke, ..... Cor.
- Feb. 25, '57. Prof. Hubbard, M.D., Dart-  
mouth College,.....Concord, Ct..... Cor.  
Prof. Bache, Sup. U. S. Coast  
Survey, ..... Cor.  
Dr. Breed, Cor. Sec. Nat. Ins. Washington,..... Cor.  
Rev. A. J. Tellier, President  
St. John's College, N. Y..... Cor.  
R. L. Pell, Pres. Amer. Ins. New York,..... Cor.
- March 30, '57. W. B. Lindsay,.....Quebec,..... Cor.
- April 27, '57. Jules Flavien Gingras.....Toronto, ..... Cor.
- July 27, '57. Count Motschulsky,.....St. Petersburg,..... Cor.
- April 27, '58. Rev. M. A. Curtis, D.D.....Hillsborough, U. S..... Cor.

		W. S. Sullivan,.....	Columbus, U. S.....	Cor.
		S. Durkee, M.D.....	Boston, U. S.....	Cor.
May	1860.	Rev. Louis Wurtele,.....	Lennoxville,.....	Cor.
July	1860.	M. J. Mitcheson,.....	Philadelphia,.....	Cor.
October	1860.	Henry Poole,.....		
		Rev. D. Honeyman,.....		
		Ed. Bown, M.D.....	Brantford,.....	Cor.
Nov.	1860.	Wm. Ross,.....	Fort Simpson, Rupert's Land, .....	Cor.
Dec.	1861.	— Whiteaves,.....		
Jan.	1862.	Thomas Macfarland,.....	Acton, C. E.....	Cor.
May	1862.	Wm. Skakel,.....		Hon.

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### Ordinary Members.

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ALEXANDER, CHAS.	CAMPBELL, ROLLO
ANDERSON, WM.	CHAMBERLAIN, B.
ATWATER, EDWIN.	CHAUVEAU, HON. P. J. O.
AUSTIN, H. W.	CHENEY, GILMOUR
BACON, THOS.	CHRISTIE, PETER
BADENACH, THOS.	CLARE, W. H.
BAKER, J. C.	CLARKE, CAPT., 47TH REG.
BANCROFT, REV. C.	CLARKE, CHAS. A.
BANCROFT, H.	CLARKE, JAMES P.
BARNBY, FRED.	CLERK, ALEX.
BECKET, JOHN C.	CLOUSTON, JAS. STEWART
BELL, ROBERT	CORNISH, REV. PROF.
BETHUNE, NORMAN	CRAIK, DR. R.
BETHUNE, STRACHAN	CRANE, THOS. A.
BETHUNE, W. H.	CROSS, ALEX.
BILLINGS, E.	CROSS, THOMAS.
BLACKWOOD, THOS.	COURT, JAMES
BONAR, REV. J.	COWAN, DR.
BOUTHILLIER, TANCREDE	CUNDILL, FRAS.
BOWKER, H. M.	CYR, REV. N.
BRODIE, HUGH, JR.	DAREY, PROF.
BRONDSOON, J. R.	DARLING, WM.
BUDDEN, H. A.	DATE, JOHN,
BULMER, HENRY	DAVID, E. D.
BURNS, P. G.	DAVIDSON, D.
CAMPBELL, DR. G. W.	DAVIDSON, THOS.
CAMPBELL, ROBT., JR.	DAWSON, S. A.

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|----------------------------|--------------------------------|
| DAY, HON. C. D.            | HILTON, WM.                    |
| DAY, J. J.                 | HOGAN, HENRY                   |
| DEMERS, ED.                | HOLLAND, PHILIP                |
| DESBARATS, GHO.            | HOLLAND, RICH.                 |
| DESOLA, REV. A.            | HOPKINS, J. W.                 |
| DOHERTY, MARCUS            | HOWARD, DR. R. P.              |
| DORION, A. A., M.P.P.      | HOWE, J. W.                    |
| DOUGALL, JOHN              | HUNT, THOS. STERRY             |
| DOUGLAS, JOHN              | HUTCHISON, M.                  |
| DOUTNEY, W. L.             | HUTTON, JAMES                  |
| DOW, WM.                   | IRISH, T. D.                   |
| DRAKE, J. M.               | ISAACSON, J. H.                |
| DRUMMOND, G. A.            | JOHNSON, PROF. ALEX.           |
| DUVERNAY, N.               | JONES, DR. WALTER              |
| ENGLISH, S.                | KEITH, JAMES, Beauharnois.     |
| ESDALE, JOHN               | KEMP, REV. A. F.               |
| ESPLIN, CHAS.              | KERRY, ANTHONY                 |
| EVANS, EDWIN               | KERSHAW, THOMAS                |
| FAIRBAIRN, JOHN            | KING, WARDELL                  |
| FENWICK, DR. G. E.         | KINGAN, GORDON                 |
| FERRIE, ARCH.              | KINNEAR, DAVID                 |
| FROTHINGHAM, JOHN          | KOLLMYER, DR. A. H.            |
| FULFORD, F. D.             | LAPRENATE, P. R.               |
| GALARNEAU, P. M.           | LEARMONT, WM.                  |
| GIBB, BENJAMIN             | LESLIE, HON. JAS.              |
| GIBSON, T. A.              | LEWIS, JOHN                    |
| GIRDWOOD, DR., GR. GUARDS. | LOGAN, JAMES                   |
| GLENNON, JOHN              | LONSDALE, JOS. C.              |
| GORDON, ALEX.              | LOWE, JOHN                     |
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