

FORTY-SECOND
ANNUAL REPORT,

OF THE

Toronto Mechanics' Institute,

WITH AN

ABSTRACT OF PROCEEDINGS

OF THE

ANNUAL MEETING,

HELD ON MONDAY, 12TH MAY, 1873.



TORONTO :
LEADER PRINTING OFFICE, 63 KING STREET EAST,
1873.

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OFFICER

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THOMAS
JAMES
JOHN
MARK
W. C.
R. H.

OFFICERS AND COMMITTEES FOR THE YEAR 1873-74.

President:

MATTHEW SWEETNAM.

First Vice-President:

THOMAS DAVISON.

Second Vice-President:

JOHN SHANKLIN.

Treasurer:

THOMAS MACLEAR.

Finance Committee:

THOMAS DAVISON, *Chairman*.
JAMES ASHFIELD.
JOHN FENSON.
MARK HALL.
W. C. MORRISON.
R. H. RAMSAY.

Library Committee:

LEWIS SAMUEL, *Chairman*.
THOMAS MACLEAR.
WM. MATTHEWS.
JOHN RITCHIE.
JOHN SHANKLIN.
JOHN TAYLOR.

Lecture Committee:

JOHN TAYLOR, *Chairman*.
THOMAS DAVISON.
JAMES COURTNEY.
DONALD GIBSON.
MARK HALL.
W. B. HARTILL.

Secretary-Librarian:

JOHN DAVY.

TORONTO

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Monday, May

The annual meeting of the
was held in the Reading
evening,

MATTHEW SWEETN

PRESIDENT,

In the Chair

The minutes of the last
ing been read and confirm
Annual Report and Fin
ment for the past year we
Secretary.

Moved by Alderman
conded by Mr. Warner, a

That the report be rece

Moved by Mr. D. G.

conded by Alderman V
resolved,

That the report be ado

Mr. Thomas Maclear,
of the meeting, withdrew
which he had given notice
to an increase in the ra
members and subscribers

The President appoint
Murray, Thomas Lownsb
Carnegie scrutineers of t

There being only one
the Presidency, Mr. Matt
was declared duly electe

The scrutineers report
Officers and Directors d
the usual declaration wa
President accordingly, v

1st *Vice-President*..TH

2nd *do.* ..Jor

TreasurerTH

TORONTO MECHANICS' INSTITUTE.

ANNUAL MEETING, 1873.

Monday, May 12, 1873.

The annual meeting of the members was held in the Reading Room this evening,

MATTHEW SWEETNAM, ESQ.,

PRESIDENT,

In the Chair.

The minutes of the last meeting having been read and confirmed, the Annual Report and Financial Statement for the past year were read by the Secretary.

Moved by Alderman Withrow, seconded by Mr. Warner, and resolved,

That the report be received.

Moved by Mr. D. G. Carnegie, seconded by Alderman Withrow, and resolved,

That the report be adopted.

Mr. Thomas Maclear, by permission of the meeting, withdrew the motion, of which he had given notice, in reference to an increase in the rates charged to members and subscribers.

The President appointed Messrs. Geo. Murray, Thomas Lownsbrough, and D.G. Carnegie scrutineers of the ballot.

There being only one nomination for the Presidency, Mr. Matthew Sweetnam was declared duly elected.

The scrutineers reported the following Officers and Directors duly elected, and the usual declaration was made by the President accordingly, viz. :

1st Vice-President. . . THOS. DAVISON.
2nd do. JOHN SHANKLIN.
Treasurer THOMAS MACLEAR.

DIRECTORS:

JAMES ASHFIELD,	WM. MATTHEWS,
JAMES COURTNEY,	W. C. MORRISON,
JOHN FENSOM,	R. H. RAMSAY,
DONALD GIBSON,	JOHN RITCHIE,
MARK HALL,	LEWIS SAMUEL,
W. B. HARTILL,	JOHN TAYLOR.

Moved by Mr. W. H. Sheppard, seconded by Mr. John Taylor, and resolved,

That the thanks of the meeting are due, and are hereby tendered to the Auditors, Messrs. Thomas Elgar and Thomas Lownsbrough, for their services during the past year.

Moved by Mr. Thomas Davison, seconded by Mr. Thomas Maclear, and resolved,

That the thanks of the meeting are due and are hereby tendered to the Scrutineers of the ballot.

Moved by Mr. Geo. Murray, seconded by Mr. D. G. Carnegie, and resolved,

That the thanks of the meeting are due, and are hereby tendered to the President, Officers and Directors for the very able and zealous manner in which they have conducted the affairs of the Institute, during the past year.

The President then addressed the meeting in reference to the operations of the Institute during the past year, and pointed out that, by continued effort on the part of the Directors and Members, and a judicious expenditure in the purchase of books for the Library, as well as by adopting certain measures to which he alluded, the Institute was sure to become one of the most popular Institutions in the city.

The meeting then adjourned.

JOHN DAVY, *Secretary.*

TORONTO MECHANICS' INSTITUTE ANNUAL REPORT, 1873.

The Directors, in resigning to the members of the Toronto Mechanics' Institute the trust to which they were elected at the last annual meeting, beg to present their report for the year ended the 1st May, 1873, being the forty-third year of the existence of the Institute.

Your Directors have sincere pleasure in being able to state that the past year has been a period of marked prosperity in the several departments of the Institute. Our predecessors foreshadowed very accurately the position of your Directors when, in last year's report, they stated that "with freedom from pecuniary embarrassments and the other cares consequent upon the management of a large building heavily burdened with debt, their successors would be enabled to give their undivided attention to the immediate and actual business of the Institute." In the year which has just closed it has been the duty and privilege of your Directors to carry into effect the well-defined policy of their predecessors, as they were convinced that it was, in the main, the best course that could be devised to foster and improve the several interests of the Institute, and to regain the confidence of its members and of the general public. It has been the aim of your Directors to place the Institute, through the improvement of its Library, Reading-room, and Evening Classes, and as opportunity afforded, by the addition of lectures on popular scientific and other subjects, upon such a basis as to render it one of the most important adjuncts in this city to the noble work of self-culture amongst the mechanics and other classes of the community.

In the carrying out of the duties to which they have applied themselves during the past year, your Directors have received the most encouraging proofs of the growing interest which has been awakened amongst the members and many of our leading citizens, in the well-being of the Institute; and they are enabled to state that, with reasonable effort on the part of the Directors and members, the Institute may speedily reach a position of usefulness and prosperity which has rarely been the privilege of any similar institution in this country to enjoy.

THE MEMBERSHIP.

In the past year there has been a very satisfactory increase in the membership of the Institute, more especially in the

additions to the list of members proper, in which the gain during the year has been equal to nearly fifty per cent. This fact is especially cheering, as it gives greater permanency to the annual receipts than would be afforded by a similar increase in the number of subscribers. The membership at present embraces many of the leading gentlemen of the city engaged in manufacturing, mercantile, professional, and other pursuits.

The following is a statement of the membership on the 1st May, 1873, viz.,—

Life members	73
Honorary members	14
Ordinary members	611
Subscribers	318
Total	1,016
Number of members at the date of the last report was 761	
Deduct withdrawals	357
	404
Add new members and subscribers during the past year	612
Present number	1,016

THE FINANCES.

There will be found in the appendix a detailed statement of the receipts and expenditure for the past year, together with a statement of assets and liabilities, which have been duly examined by the auditors appointed at the last quarterly meeting.

On looking over the reports of previous years it would appear that the largest number of members and subscribers returned was 1,169, which occurred in the year 1870. In the same year the subscriptions received amounted to \$2,096. Although the membership at the close of the past year is less than it was in 1870, the sum paid as subscriptions is in excess of that year.

During the early part of the year your Directors were satisfied that they were being charged for a larger quantity of gas than had been consumed, and although the Gas Company was required to make a minute examination, the discrepancy could not be detected or explained. Subsequently, whilst the roof of the building was being repaired, an escape of gas in the wall above the Music Hall was accidentally discovered. It is probable that this waste

has been going on it has been a loss of \$1,450.

A comparison of the Institute report, with the improvement of year just ended.

READING

These important reports of the Institute have received the labours of your Directors will meet with members.

The *Weekly Canadian Mechanic* to the previous papers and ma Reading-room.

During the past year has been expected gazettes; but it some extent the continues. It final proceeding offender who r

A new description by your first adopted for the found to serve serving the members placed of the Institute of \$39.

The books placed in a sa daily issue no

The number of report was Withdrawn, Lost, and paid

Added during

Total

The cost of zines has been for re-binding

Your Directors thanks to the have kindly ing the past to the proprietors papers, who their papers room,—a list of the end of

X

has been going on for ten years, and, if so, it has been a loss to the Institute of about \$1,450.

A comparison of the balance in favour of the Institute at the date of the last report, with the present balance, shews an improvement of \$1,166.94 in favour of the year just ended.

READING ROOM AND LIBRARY.

These important departments of the Institute have received the careful attention of your Directors, and they trust that their labours in this regard have been such as will meet with the approval of the members.

The Weekly Dispatch, Liverpool Journal, Canadian Mechanics' Magazine, and English Mechanics' Magazine, have been added to the previously large supply of newspapers and magazines provided for the Reading-room.

During the past year another member has been expelled for mutilating the magazines; but it is to be regretted that to some extent this dishonest practice still continues. It is recommended that criminal proceedings be taken against the next offender who may be discovered.

A new description of cover, suggested by your first Vice-President, has been adopted for the magazines—it has been found to serve an excellent purpose in preserving the magazines, and from advertisements placed on the sides of these covers the Institute obtains a yearly revenue of \$39.

The books in the Library have been placed in a satisfactory condition, and the daily issue now exceeds 100 volumes.

The number of volumes at last report was	7,215
Withdrawn, worn out	427
Lost, and paid for,	8
	435
	6,780
Added during the year	577
Total	7,357

The cost of binding novels and magazines has been \$51 10. The sum expended for re-binding volumes has been \$186 56.

Your Directors tender their sincere thanks to the friends of the Institute who have kindly made donations of books during the past year,—as per appendix,—also to the proprietors and editors of newspapers, who have generously forwarded their papers for the use of the Reading-room,—a list of which will be found at the end of this report.

THE CLASSES.

During the past year (the fourteenth session) the Classes have been highly successful. As the Institute had no suitable rooms for the purpose, the Directors engaged apartments in the St. James' school House which were eminently adapted for the classes. Some expenses were necessarily incurred in the purchase of desks, &c., and an additional number of drawing copies, required by the large increase of pupils over previous sessions, these will be available for further use.

The whole of the Classes have been under the management of competent teachers, who have been most assiduous in their care and attendance, and have given entire satisfaction to the pupils.

The annexed list of the various Classes shews an increase in the number of pupils equal to 25 per cent above the previous session.

This fact will doubtless afford much satisfaction, when it is remembered that additional facilities are now offered elsewhere in the city, which it had been feared might diminish the popularity of the Institute Classes.

Your Directors hope that this will stimulate the future management to still greater energy in the organization of these most effective and highly prized means of education.

Although it has been necessary to incur an additional expense of \$200 for rent of rooms, your directors are happy to state that, by improved arrangements and strict economy, they have succeeded in carrying the Classes through this session at a loss of only \$59 61, against \$64 81 in the previous session—and this has been done without making any addition to the fees charged to the pupils.

Your directors desire to tender their sincere thanks to those gentlemen who kindly performed the duty of examiners, and to the President and second Vice President for their kind donations of \$10 each, also to Mr. W. C. Morrison for a handsome silver medal—all presented to augment the prizes submitted for competition, and which, by these additions, amounted to the value of nearly \$100. At the close of the session the prizes were presented by the President to the successful students.

Your Directors have again the pleasing duty to place on record the liberality of the Northern Railway Company of Canada, through F. W. Cumberland, Esq., M. P. P., Managing Director, in donating the handsome amount of \$100 to the Institute in aid of the Classes.

The following statement shows the number of pupils :

No. of Pupils in the Session of 1871-2.	No. of Pupils last Session.	
19	22	English Grammar. Teacher: A.F. McDonald, Esq.
67	91	Book-keeping and Penmanship. Teacher: Samuel Clare, Esq.
44	70	Arithmetic and Mathematics: Teacher: A.F. McDonald, Esq.
21	27	Ornamental Drawing. Teacher: Mrs Heaslip.
42	32	Architectural and Mechanical Drawing. Teacher: H. James, Esq., C.E.
Total 193	242	

The following are the names of the gentlemen who kindly undertook the examination of the pupils :

- James Fraser, Esq.
- Wm. Irvine, Esq., C. E.
- John Campbell, Esq.
- I. T. Slater, Esq.
- Jas. Henderson, Esq.
- J. E. Baillie, Esq.

NAMES OF THE SUCCESSFUL PUPILS.

English Grammar.

- 1st Prize James Boyle.
- 2nd " Miss Gwatkin.

Book-keeping.

- 1st Prize John Beel.
- 2nd " G. A. Brayley.
- 3rd " A. Jones.
- Ladies' Prize Miss Duffes.

Writing.

- 1st Prize Robert Beard.
- Ladies' Prize Miss M. Liddell.
- Diploma Wm. Berkinshaw.
- " Miss J. Watson.

Arithmetic and Mathematics.

- 1st Prize Robert Parkes.
- 2nd " John Kane.
- 3rd " Robert Beard.

Ornamental Drawing.

- 1st Prize A. H. Layton.
- 2nd " Thomas Hope.
- 3rd " J. L. Rawbone.

Architectural Drawing.

- 1st Prize Wm. Simpson.
- 2nd " Geo. Reid.
- 3rd " James McKay.

Mechanical Drawing.

- 1st Prize, Silver Medal, John Harcourt.
- 2nd " A. M. Gibson.
- 3rd " John Fizzell.

ENTERTAINMENTS.

Your Directors availed themselves of Professor Pepper's visit to this continent to make satisfactory arrangements with that gentleman to deliver a course of his highly popular lectures, which they are happy to record gave much satisfaction to the citizens, and aided somewhat to increase the membership of the Institute. By the avoidance of paid ushers (that duty having been performed by your directors) a handsome amount was added to the funds of the Institute. They regret, however, that an engagement with Edmund Yates, Esq., to deliver two lectures, was not fulfilled by that gentleman, thereby entailing a loss to the Institute of \$80. A similar disappointment was also experienced from the withdrawal of an engagement for the Rev. Henry Ward Beecher to deliver a lecture under the auspices of the Institute. The loss in this connexion was much less than in the case of Mr. Yates. It would seem that, in the present state of the law, doubt exists as to the liability of lecturers to make good any losses Institutes may suffer from such non-fulfilment of contracts.

CONCLUSION.

In glancing over the operations of the year which has just closed, your Directors see much cause for encouragement in the fact that their efforts to increase the membership, and to bring the legitimate work and operations of the Institute more prominently before the public, have resulted, as they anticipated, in a fair measure of success; and that their labors to improve the internal economy of the Institute have met with the general approval of the members. In view, however, of the various and important advantages to the general public which, in their opinion, cannot fail to spring from a well equipped and properly managed Mechanics' Institute, your Directors earnestly hope that their successors may do what lies in their power to make the Institute increasingly useful and prosperous.

The Library should receive particular attention, and be still further improved and enlarged. Works of fiction and light

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tionable book
they be discar
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that, in future
of its class.

Old Member
New "
Rents
Old Stores
Extra Books
Fines.....
Advertisem
Subscription
Class Fees a
Old Books
Books lost
Waste Pape
Catalogues
Government
Northern R
Lectures ..
Interest...

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literature continue to be largely in request, and it is not likely, in the nature of things, that the desire for this class of books will diminish. From observation it is manifest that many of the members of the Institute take from the Library a large number of the books alluded to—this remark applies especially to the young people—and that their reading taste is, in consequence, being more or less moulded by the works which the Institute supplies. Without further enlarging on this subject, your Directors desire to place on record an earnest recommendation that their successors shall carefully overhaul that department of the Library at an early day—that if any objectionable books be found in the collection they be discarded—that this portion of the Library be considerably augmented—and that, in future, each book added be the best of its class.

From the evidence they possess of the decided advantages afforded by the evening classes of the Institute, your Directors commend this branch of the Institute's operations to the continued care and liberality of their successors.

It is due to Mr. John Davy, your Secretary and Librarian, to state that he has performed the duties of his office to the entire satisfaction of your Directors; and, anticipating your desire in the matter, they have, in view of the services required, and the hours assigned to him, increased Mr. Davy's salary.

All which is respectfully submitted.

MATTHEW SWEETNAM,

President.

JOHN DAVY,

Secretary.

APPENDIX A.

RECEIPTS.		EXPENDITURE.	
Old Members.....	\$968 75	Salaries.....	\$1,291 64
New ".....	1,197 00	Blank Books and Stationery .	41 22
Rents.....	35 50	Newspapers.....	218 60
Old Stores.....	65 16	Printing.....	133 90
Extra Books.....	26 15	Advertising.....	16 20
Fines.....	45 64	Insurance.....	42 75
Advertisements.....	39 00	Postage.....	54 29
Subscriptions to Newspapers .	27 50	Gas.....	340 52
Class Fees and Requisites....	587 12	Repairs.....	60 21
Old Books.....	20 88	House Requisites & Sundries.	1 95
Books lost.....	8 78	Periodicals.....	\$162 65
Waste Paper.....	22 60	New Books.....	489 30
Catalogues.....	8 60	Paper Cover Novels..	74 02
Government Grant.....	400 00	Binding.....	238 06
Northern Railway Grant....	100 00		964 03
Lectures.....	201 96	Classes :	
Interest.....	545 90	Teachers.....	\$283 25
	\$ 4,300 54	Expenses.....	108 23
Balance in hand last report,	10,887 99	Requisites.....	55 25
		Rent, &c.....	200 00
			646 73
			\$3,812 04
		Cash in hand.....	\$118 90
		" Bank.....	257 59
		" at interest ..	11,000 00
			11,376 49
	\$15,188 53		\$15,188 53

Examined and found correct,

(Signed)

THOMAS ELGAR, }
THOS. LONSBROUGH, } *Auditors.*

May 12, 1873.

APPENDIX B.

STATEMENT OF ASSETS AND LIABILITIES FOR THE YEAR ENDED APRIL 30, 1872.

ASSETS.		LIABILITIES.	
Library and Furniture, May, 1872	\$8,726 26	Gas	\$29 28
Added since in new books, &c.	964 03	Mechanics' Inst. Asso'n.	20 00
	\$9,690 29	Balance	21,305 75
Deduct old books sold, estimated value	120 29		
	\$9,570 00		
Catalogues	30 00		
Debts and Subscriptions due	143 75		
Interest due	234 79		
Cash in hand	118 90		
“ Bank	257 59		
“ at interest	11,000 00		
	\$21,355 03		\$21,355 03

APPENDIX C.

BOOKS PRESENTED TO THE INSTITUTE DURING THE YEAR.

Merchant's and Banker's Almanac	Presented by J. M. TROUT, Esq.
Life and Labors of Dr. Livingstone	“ T. MACLEAR, Esq.
Physiological Science	“ O. S. FOWLER, Esq.

APPENDIX D.

RETURN SHOWING THE NEWSPAPERS, MAGAZINES, &C., WITH WHICH THE INSTITUTE IS SUPPLIED.

BRITISH NEWSPAPERS.	BRITISH NEWSPAPERS.
Army and Navy Gazette.	Saturday Review.
Athenæum.	The Field.
Belfast Whig.	The Times.
Builder.	Watchman.
Dublin Warder.	Weekly Dispatch.
Economist.	
Edinburgh Scotsman	
European Mail.	
Fun.	
Glasgow Herald.	
Illustrated Graphic.	
“ London News.	
Liverpool Journal.	
Manchester Courier.	
Public Opinion.	
Punch.	

Edinburgh R.
Englishwoman
Fortnightly R.
Fraser's Maga
Good Words.
Iron.
Leisure Hour.
London Societ
“ Quart
Macmillan's M
Mechanics' Ma
Navy List.
Once a Week.
Saint Paul's.
Sunday at Ho
Temple Bar.
Westminster

Atlantic Mon
Chicago Tribu
Godey's Lady
Harper's Mon
“ Wee
Littell's Livin
New York D

“ S
“ In
Scientific An

Canadian Mo
“ Pa
Hamilton Sp
Halifax Nov
Illustrated C
Kingston Ne
London Her
“ Adv
Montreal H
“ Ga
Monetary T
Manitoba L
“ F
“ G
Monthly Po
St. John's,
“
Toronto Glo
“ Le
“ Ma
Quebec Chr
Volunteer

The following are kindly supplied to the Institute gratuitously.

Edinburgh Review.
 Englishwoman's Magazine.
 Fortnightly Review.
 Fraser's Magazine.
 Good Words.
 Iron.
 Leisure Hour.
 London Society.
 " Quarterly.
 Macmillan's Magazine.
 Mechanics' Magazine.
 Navy List.
 Once a Week.
 Saint Paul's.
 Sunday at Home.
 Temple Bar.
 Westminster Review.

AMERICAN.

Atlantic Monthly.
 Chicago Tribune.
 Godey's Lady's Book.
 Harper's Monthly Magazine.
 " Weekly.
 Littell's Living Age.
 New York Daily Herald.
 " " Tribune.
 " Shipping List.
 " Independent.
 Scientific American.

CANADIAN.

Canadian Monthly Magazine.
 " Patent Office Record.
 Hamilton Spectator.
 Halifax Novascotian.
 Illustrated Canadian News.
 Kingston News.
 London Herald.
 " Advertiser.
 Montreal Herald.
 " Gazette.
 Monetary Times.
 Manitoba Liberal.
 " Free Press.
 " Gazette.
 Monthly Popular Science.
 St. John's, N. B. Telegraph.
 " N. F. "
 Toronto Globe.
 " Leader.
 " Mail.
 Quebec Chronicle.
 Volunteer Review.

Barrie AdvanceBy Publishers.
 Brantford Courier "
 Brampton Banner "
 Canadian Baptist "
 " Champion "
 " Lancet...J. Fulton, Esq., M.D.
 Christian GuardianBy Publishers.
 Church Herald "
 Collingwood Enterprise .. "
 Cornwall Freeholder "
 Dundas True Banner "
 Goderich Signal "
 Guelph Advertiser "
 " Herald "
 Hamilton Times "
 Health Reformer "
 Herald of Health "
 Ingersoll News "
 Irish Times J. H. Davis, Esq.
 Local Courts Municipal
 GazetteBy Publishers.
 Medical Journal W. Cammiff, Esq., M.D.
 Melbourne Argus.... J. Elliot, Esq.
 " Australasian .. S. Platt, Esq.
 Montreal Gazette..... By Publishers.
 Natal Mercury S. Platt, Esq.
 Ontario Workman By Publishers.
 Orillia Expositor "
 " Packet "
 Owen Sound Comet... .. "
 " Times "
 Peterborough Review "
 Port Hope Times "
 Parliamentary Reports "
 Pure Gold "
 Richmond Hill Herald "
 Sarnia Weekly "
 Simcoe News "
 Stratford Beacon "
 St. Catharines Times "
 St. Thomas Home Journal "
 Toronto Mail "
 " Sun "
 Upper Canada Journal of
 Education "
 Upper Canada Law Journal "
 Victoria British Colonist . . . "
 Walkerton Telescope "
 Waterloo Chronicle..... .. "
 Welland Telegraph "
 Whitby Chronicle "
 Woodstock Times "

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AR.

TROUT, Esq.
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 FOWLER, Esq.

THE INSTITUTE

PAPERS.

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