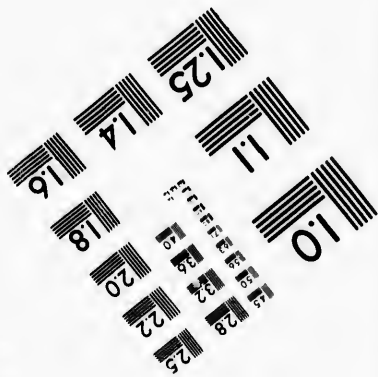
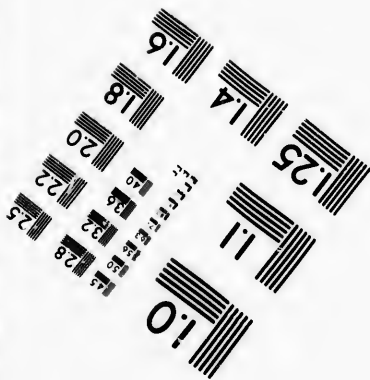
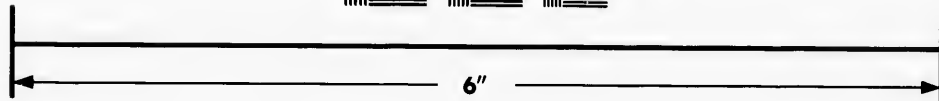
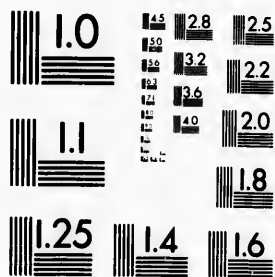


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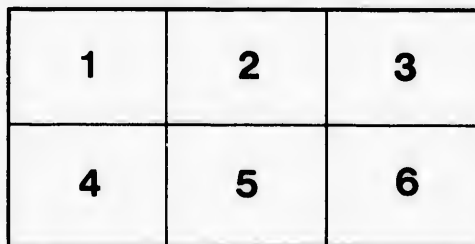
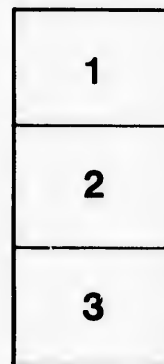
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AND

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*(Established Feb. 24, 1887; Incorporated by Dominion Act, June 23rd, 1887.)*

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AND

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CONTENTS.

	PAGE
CHARTER.....	5
By-LAWS.....	7
Amendments to By-Laws.....	16
Annual Meeting.....	15
Annual Report.....	15
Appendix.....	17
Arrears, Members in, have no vote.....	12
Associate Members, Qualifications of.....	10
Associates, Qualifications of.....	11
Ballot.....	12
Branches.....	14
"    Officers of.....	14
Chairman at Meetings.....	9
Committees, Composition and Duties of Standing.....	10
Constitution.....	7
Council, Composition and Duties of.....	9
"    Meetings.....	10
Councillors, Honorary.....	9
Dues.....	12
Election, Manner of.....	11
"    of Officers.....	8
Expulsion.....	13
Fees.....	12
Finance Committee.....	10
Honorary Members, Qualification of.....	10
Librarian, Duties of.....	9
Library Committee.....	10
Meeting, Annual.....	15
"    Branch.....	14
"    Ordinary.....	15
"    Special General.....	15
"    Students.....	15
Members, Qualifications of.....	10
Nominating Committee.....	8
Notification of Election.....	12
Officers.....	8
Ordinary Meetings.....	16
Papers.....	16
President, The.....	8
Qualifications of Honorary Members, Members, Associate Members, Associates and Students.....	10

Secretary, Duties of,.....	9
Students, Qualifications of,.....	11
Titles of Membership.....	7
Treasurer, Duties of,.....	9
Vice-Presidents, The,.....	8
LIST OF MEMBERS.....	21

CHARTER

OF

*The Canadian Society of Civil Engineers.*

(INCORPORATED JUNE 23RD, 1887.)

WHEREAS the persons hereinafter named have, by petition, set forth that it is desirable that they, together with such other persons as may be hereafter associated with them be incorporated into a society, by the name of "The Canadian Society of Civil Engineers," having for its objects and purposes to facilitate the acquirement and interchange of professional knowledge among its Members, and more particularly to promote the acquisition of that species of knowledge which has special reference to the profession of civil engineering, and further to encourage investigation in connection with all branches and departments of knowledge connected with the profession; and whereas it is expedient to grant the prayer of the said petitioners; Therefore, Her Majesty, by and with the advice and consent of the Senate and House of Commons of Canada, enacts as follows:—

1. Thomas C. Keefer, Ottawa; Casimir S. Gzowski, Toronto; John Kennedy, Montreal; Henry T. Bovey, Montreal; Frederick N. Gisborne, Ottawa; Edmund P. Hannaford, Montreal; William T. Jennings, London; Samuel Keefer, Brockville; Louis Lesage, Montreal; Hugh D. Lumsden, Toronto; Alan MacDongall, Toronto; Henry F. Perley, Ottawa; Hurd Peters, St. John, New Brunswick; Peter A. Peterson, Montreal; Henry S. Poole, Stellarton, Nova Scotia; Henry N. Ruttan, Winnipeg; Collingwood Schreiber, Ottawa; Percival W. St. George, Montreal; and Herbert Wallis, Montreal, and all other persons who may hereafter be associated with them, shall be and they are hereby constituted a body politic and corporate, under the name of "The Canadian Society of Civil Engineers."

Property vested  
in the members.

2. The said Society shall have power to acquire and hold all lands and property necessary and required, in order to carry out the objects and purposes for which incorporation is sought, provided that the annual value of the real estate, held at any one time for the actual use of the Society, shall not exceed five thousand dollars; and the said Society shall also have power to sue and be sued, and implead in their corporate name; to make and pass regulations and by-laws for the direction and management of the said Society, including all rules that may be deemed necessary for the maintenance of the honor and dignity of the profession.

Headquarters.

3. The said Society shall be governed by a President, Vice-Presidents and Council, to be constituted in such manner as may be provided by the by-laws hereafter to be made, and the persons named in the first section shall constitute such Council, until such appointments are made.

4. A meeting of the said Council shall be held within six months after the incorporation of the Society, for organization, making by-laws, the election of officers, and the transaction of any other business that may arise.

5. The head office of the Society shall be in the city of Montreal, or in such other place as may from time to time be determined by a vote of two-thirds of the members of the Society.

BY-LAWS

OF

*The Canadian Society of Civil Engineers.*

NAME, OBJECTS AND CONSTITUTION.

1. This Society shall be called "THE CANADIAN SOCIETY OF CIVIL ENGINEERS," and be designated by the letters "Can. Soc. C. E." Name of Society.

2. The objects of this Society shall be, (1) to facilitate the acquirement and interchange of professional knowledge among its members, and (2) to encourage original investigation. Objects of Society.

3. The term "Civil Engineer," as used in this Society, shall mean all who are or who have been engaged in the designing or constructing of railways, canals, harbours, lighthouses, bridges, roads, river improvements, and other hydraulic works, sanitary, electrical, mining, mechanical or military works, in the study and practice of navigation by water or air, or in the directing of the great sources of power in nature for the use and convenience of man. Definition of Civil Engineers.

4. The Corporate Society shall consist of all those persons who had been admitted previous to its incorporation, together with all those who may be admitted thereafter. They shall be classified as Honorary Members, Members, Associate Members, Associates and Students. Honorary Members shall not be subject to fees or dues, and shall not be entitled to vote. Associates and Students shall possess all the rights and privileges of Members and Associate Members, except the right to vote or to hold any office but that of Librarian. Composition of the Society.

5. Any Honorary Member, Member, Associate Member, Associate or Student, having occasion to designate himself as belonging to the Society, shall state the class to which he belongs, according to the following abbreviated forms:—Hon.M. Can.Soc.C.E., M.Can.Soc.C.E., A.M.Can.Soc.C.E., A.Can. Soc. C.E., Stud. Can. Soc. C. E. Titles of Membership.

Officers.

Nominating  
Committee.Names on  
Ballot list for  
election of  
officers.Mode of  
Election of  
Officers.

6. The officers of the Society shall consist of a President, three Vice-Presidents, Treasurer, Secretary, Librarian, Honorary Councillors and fifteen Councillors, of whom not more than three may be Associate Members. At the Annual General Meeting, a Nominating Committee shall be appointed, composed of five members, and of four Past Presidents (or such smaller numbers as there may be), whose duty it shall be to select the names of such members as in its opinion are qualified to fill the offices of President, Vice-Presidents, Treasurer, Secretary, Librarian, and Members of Council, for the ensuing year, and who shall signify to the Committee their willingness to accept their several nominations. The list shall contain at least twenty-six names, viz.: one for President, three for Vice-Presidents, one for Treasurer, one for Secretary, one for Librarian, and nineteen for Councillors. It shall be the duty of the Nominating Committee to accept as nominated for any office, any eligible candidate whose name is submitted on or before October 30th, with his consent, by five or more Members. All names nominated shall be forwarded to the Council, not later than the first day of the following November, and thereupon a copy of the list of names shall be sent to each Member of the Society for his guidance in voting. The Chairman of the Committee shall be resident at the Headquarters of the Society. The list of names nominated by the Nominating Committee shall be signed by a majority of that Committee. Any five members not officers of the Society may present to the Council, on or before December 1st, a list of names proposed by them for officers, which list or lists shall also be issued for ballot.

7. The officers shall be elected by a majority of votes taken by sealed letter ballot. This ballot shall be opened and declared at the Annual Meeting, and the report of the Scrutineers shall give all names that have received five or more votes and the number of votes cast for each.

If in the ballot, taken for the purpose of filling any specific office, it shall appear that no one person had obtained a majority of the whole votes cast, the meeting shall proceed to vote by ballot in the usual way for the filling of such office, the choice of candidates being limited to the two persons who had previously obtained the greatest number of votes in connection with the said office. In case three or more persons shall equally have re-

received the highest number of votes, the choice shall be made from amongst them by ballot.

8. The President, or in his absence one of the Vice-Presidents, shall preside at all meetings of the Society. In the event of the absence of the President and of all the Vice-Presidents, the Meeting may select any Member as chairman, the preference being always given to a Member of Council.

Chairman of Society meeting.

Past Presidents shall be Honorary Councillors.

Honorary Councillors.

9. The Secretary shall keep an accurate record of the Transactions of the Society and of the Council. He shall also keep a correct roll of Members' names, with their addresses and the dates of their admission. He shall conduct the correspondence of the Society, give notice of all meetings, supervise the printing, and, under the direction of the Council edit the Transactions of the Society.

Duties of Secretary.

10. The Treasurer shall have charge of the funds of the Society, and shall receive all money, pay all accounts and orders approved of by the President, or by the Chairman of the Finance or of the Library Committees. He shall also deposit and invest the funds of the Society in its name, and always with the approval of the Council. All accounts exceeding \$10 shall be paid in cheques, which shall be signed by the Treasurer and countersigned by one member of the Finance Committee.

Duties of Treasurer.

11. The Librarian shall take charge of the Library of the Society, and shall mark all books with the name of the Society, number, and record them in a catalogue. He shall conform to such regulations as may be prescribed by the Library Committee.

Duties of Librarian.

COUNCIL.

12. There shall be a Council consisting of the President, Vice-Presidents, Secretary, Treasurer, Honorary Councillors and Councillors, and of this Council five shall constitute a quorum. The duties of the Council shall be--to have a general supervision of the affairs of the Society, to prepare by-laws, to approve and classify candidates before submitting their names to ballot, to fill up vacancies as they occur amongst its Members, to apply the funds in the treasury, to recommend the amount of appropriations for specific purposes, and to present a report at the Annual Meeting on the affairs of the Society, embracing the report of the

Composition and Duties of Council.



Treasurer. In no case shall the Council incur any expenditure for salaried officers or for extraordinary purposes, unless previously authorized to do so at the Annual Meeting, or at a Special General Meeting.

Meeting of Council. The Council shall meet as often as the business of the Society may require.

Composition and Duties of Standing Committees. 13. The Council shall meet within one week after its election, and shall appoint 1st, a standing committee of five on Finance, which will have supervision of the accounts of the Society, shall audit the books of the Treasurer, and shall certify to his annual report; 2nd, a Library committee of five, which shall have supervision of the rooms, and Library of the Society, and shall apply to the purchase of books or other articles of permanent value to the Society such sums as may be granted for that purpose.

Finance Committee.

Library Committee.

#### QUALIFICATIONS FOR ELECTION.

Qualification of Honorary Members. 14. Honorary Members shall be distinguished men, who, by virtue of their position, may be able to further the objects of the Society, or who may be eminent in engineering or kindred sciences, but who are not engaged in the practice of engineering in Canada.

Qualification of Members. 15. Every candidate for election as Member must be at least twenty-five years of age, and must have been engaged in some branch of engineering for at least ten years, which period may include apprenticeship, or pupilage in a qualified engineer's office, or a term of instruction in some school of engineering recognized by the Council. The term of ten years will be reduced to eight years in the case of any candidate who has graduated with honours in his engineering course. In every case the candidate must have had responsible charge of work as a Resident or Superintending Engineer, or must have held a position of equivalent professional responsibility, for at least five years; and this not merely as a skilled workman, but as an engineer qualified to design and direct engineering works.

Qualification of Associate Members. 16. Every candidate for election as Associate Member must have been engaged in some branch of engineering for at least five years, which period shall include apprenticeship or pupilage in a qualified engineer's office, or a term of instruction in some

school of engineering recognized by the Council. In every case the candidate must have held a position of professional responsibility for at least two years.

17. Every candidate for election as Associate shall be one who is not a Civil Engineer by profession, but whose pursuits, scientific acquirements or practical experience qualify him to cooperate with Engineers in the advancement of professional knowledge. Qualification of Associates.

18. Every candidate for election as student must be at least sixteen years of age, and must present a certificate of having successfully passed an examination, equivalent to the final examination of a High School, or to the matriculation examination of an Arts or Science course, and must be pursuing a recognized course of instruction in some branch of engineering, or be receiving a practical training in the profession. He shall not remain in the class of Students more than nine years. Qualification of Students.

MANNER OF ELECTION.

19. Honorary Members must be nominated by a unanimous vote of the Council, one month's notice having been given to the Members of the said Council of the names of the nominees, and of the meeting at which it is proposed to make the nomination. The election of Honorary Members shall be by vote of the Members of the Society, given in the same manner as in the election of Members. The number of Honorary Members shall not, at any one time, exceed twenty. Mode of Election of Honorary Members.

20. The Secretary shall notify by letter the Honorary Member of his election, and shall request him to notify the Society of his acceptance of the same within six months. Without such acceptance his election will be cancelled.

21. Proposals for admission to the Society as Member, Associate Member or Associate (Form A in the Appendix), or for transfer from one class to a higher (Form B in the Appendix), shall be endorsed by at least five members, who shall certify that they personally know the candidate, and that he is worthy of acceptance or promotion. The proposal shall contain a statement, over the candidate's signature, of his age, residence, and the nature and term of his professional service, also an agreement to conform to the regulations of the Society if elected or Mode of Election and Promotion to the several classes.

promoted. This statement shall not be required from Associates. The proposals for Students shall be signed by the applicant, and indorsed by one member.

Ballot.

In the elections for any class or for promotion, Members shall vote by letter ballot in the usual way, and such ballot shall be taken at the first ordinary meeting, held after the lapse of at least twenty-five days from the date of mailing the notification. Ten negative votes shall exclude a candidate. In such case of non-election, no record of the transaction shall be kept.

Notification of Election.

22. On the election of a candidate, he shall be immediately notified by the Secretary (Form C in the Appendix). On receipt of the notification he must subscribe to the Constitution and By-Laws (in the terms set forth in Form D in the appendix), and pay to the Treasurer the regular fees (see Article 24) before he can be entitled to receive his certificate of membership. If this be not done within six months from the date of the notification of the election, he shall cease to be a member. Membership shall date from the day of election.

#### DUES.

Definition of resident and non-resident.

23. Members, Associate Members, Associates and Students who reside within 50 miles of headquarters shall be deemed resident; those who reside within the limit of fifty miles shall be deemed non-resident.

Annual fees.

24. Each resident Member shall pay \$10.00, and each non-resident Member \$8.00, per annum. Each resident Associate Member shall pay \$8.00, and each non-resident Associate Member \$6.00 per annum. Each Associate shall pay \$10.00 per annum. Each Student shall pay \$2.00 per annum.

Resignation.

25. Every person admitted to the Society shall be liable for all dues, until he shall have signified to the Secretary, in writing, his desire to withdraw, when, if his dues have been fully paid up, his name will be erased from the list of membership.

Members in arrears have no vote.

26. No person in arrears shall be allowed to vote until all such arrears are paid; and any person admitted into the Society, who shall refuse to pay any dues, or who shall neglect the same for six months, after the notice thereof shall have been issued (Form C in the Appendix), may, by a vote of the Council, be struck off from the roll of membership.

27. All annual subscriptions shall become due on the first day of January in each year, for the year then commencing, and must be paid before the 1st of April of that year. It shall be the duty of the Secretary to notify each Member of the amount due for the ensuing year, at the time of giving notice of the Annual Meeting.

28. The amount of the annual dues, to be paid for the support of the Society, may be changed from time to time at the Annual General Meeting of the Society, provided that notice of intended action thereon shall have been given to the Members, two months previously by circular. No alteration in the amount of said fees shall apply to the fiscal year during which it is made, but shall take effect on and after the first day of January next succeeding the date of such alteration. Those who become resident or non-resident by removal of residence shall be subject to the dues of the class to which they belong at the date of the annual meeting, as may be shewn by the records of the Society, or by a written notice to the Secretary.

29. The Council may for sufficient cause, exempt from payment of annual dues any Member distinguished in his professional career, who, from ill health, advanced age, or from other good reason assigned, does not continue to carry on a lucrative practice, and is unable to pay such dues. The Council may remit the whole or part of any arrears, or accept, in lieu thereof, desirable additions to the Library and Museum.

#### EXPULSION.

30. Upon the request of ten or more Members, that, for causes specified, a person belonging to the Society should be expelled, the Council shall consider the matter, and if there should be sufficient reason, shall advise the accused that his resignation will be accepted. He may, upon demand, receive a copy of the charges against him, and present a written defence. Two months after such action on his part, the Council shall finally consider the case, and, if resignation has not been tendered, or a satisfactory defence made, will then notify the Member that he will be expelled in one month, unless he elects to appeal from this decision. Appeals shall be voted on by the Society by letter ballot, and the Council shall notify the accused and the Society

of the result. In case no appeal is made, the Council shall expel the accused, and notify him and the Society of the same, and such notification shall in any event be the only notice, public or private, taken of the matter.

## BRANCHES.

- Branches. 31. A local Branch of the Society may be established under the authority of the Council, at the request of not fewer than ten Members, who are desirous of forming themselves into such local Branch, in any place not less than one hundred miles distant from the headquarters of the Society, or from any existing branch. The establishment of a Branch shall not release Members from any of their obligations to the Society, whether as regards fees or membership in any class.
- Names of Branches. 32. Local Branches, although formed strictly of Members of the Society, may be distinguished by the name of their locality, as, for example, "The.....Branch of the Canadian Society of Civil Engineers."
- Officers of Branches. 33. The officers of local Branches shall be a Chairman and Secretary-Treasurer, who shall be elected by the members of the Branch.
34. All classes of Members of Local Branches must be elected by the Society in the usual way, and shall enjoy the privileges, and shall be subject to all the conditions of resident or non-resident Members of the Society in their respective classes (see clauses 14 to 18), and in no case shall their numbers be added to locally or otherwise than in the regularly prescribed way.
35. Members of a local Branch shall pay to the Society the fees of a resident Member of the Society, and the Society shall remit to the Branch, on application of the Secretary-Treasurer, the difference between a resident and non-resident's fees. The Society shall not be liable for any expenses incurred by a Branch.
- Meeting of Branches. 36. The regular meetings in all Branches shall be held on the same date as the corresponding meetings of the Society at headquarters.
37. In by-laws, rules of order, etc., and in particulars not specially referred to, the Branches shall conform to the methods and rules adopted by the Society.

## MEETINGS.

38. The meetings of the Society shall be as follows:—

Annual meeting.

(A). The Annual Meeting of the Society for the election of Officers shall be held on the second Tuesday in January, or on such other day as the Council may direct. The Council shall lay before the meeting a report of the standing of the Society, with a statement by the Treasurer, verified by the Committee on Finance, of the funds of the Society, and the receipts and payments during the year ended on the 31st December preceding. Also a list of the meetings held by the Council, and the names of those present at each meeting. At such Annual Meetings, fifteen voting Members shall constitute a quorum. A notice of twenty-one days shall be required for an Annual Meeting.

Annual report

(B). Special General Meetings of the Society may be called, by order of the Council, for the transaction of special business. The quorum at a Special General Meeting shall be fifteen.

Special General Meeting.

A notice of twenty-one days shall be required for a Special General Meeting.

(C). Ordinary meetings of the Society shall be held at eight o'clock in the evening, on every alternate Thursday during the months of October, November, December, January, February, March, April, May and June, commencing with the second Thursday in October, but it shall be in the power of an Ordinary Meeting to make such changes in these dates as may be deemed advisable.

Ordinary Meeting.

The business of an Ordinary Meeting shall be transacted as nearly as possible in the following order:—

- (a). The minutes of the preceding meeting to be read, approved, and signed by the Chairman and Secretary.
- (b). Business arising out of the minutes to be discussed.
- (c). Candidates for membership to be balloted for.
- (d). Candidates for admission into the Society to be announced.
- (e). Communications from the Council to be considered.
- (f). New business to be proposed.
- (g). Original papers to be read and discussed.

Order of business.

(D). Students' meetings shall be held at eight o'clock in the evening, at such dates as shall be determined by the Council, and of which due notice shall be given.

Students' Meetings.



## PAPERS.

Papers. 39. All papers shall be forwarded to the Secretary of the Society, when they will be examined by the Council, and if deemed of sufficient interest, copies shall be made and sent to every Branch of the Society. Such papers shall be read and presented for discussion at all Branches at the same time as at the headquarters of the Society, or as soon thereafter as may be practicable. A report of the discussion at the Branches shall be forwarded to the Secretary of the Society within one week after the day fixed for the reading by the Society.

Papers the property of Society. 40. The papers shall be the property of the Society, and no publication of any papers or discussion shall be made, except by the Society, or under its express permission.

## AMENDMENTS TO BY-LAWS.

Mode of amending By-laws. 41. New by-laws or alteration or repeal of existing by-laws may be made in the following manner:—Notification of proposed new by-laws or alteration shall be given to the Council, signed by at least ten Members, or Associate Members, not later than three months before the date of the Annual Meeting.

The Council shall issue notice of the proposition, specifying the particular new by-laws or alteration or repeal of any existing by-law, which may be thus recommended, and submit the same to vote by letter ballot, not less than two-months before the Annual Meeting, the ballot to be taken on or before the date of the Annual Meeting, and not less than two-thirds of the votes cast shall be required to effect any change. The Council may also propose new by-laws, or alterations, or repeal of existing by-laws, and may submit the same to vote by letter ballot as above.



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## APPENDIX.

## FORM A.

*The Canadian Society of Civil Engineers.*

The proposal for MEMBER, ASSOCIATE-MEMBER, ASSOCIATE,\* or STUDENT† shall contain a statement, over the *candidate's signature*, of his *age, residence, the nature and term of his professional service*, and that he will conform to the requirements of membership if elected.

## STATEMENT.

I, \_\_\_\_\_, \_\_\_\_\_,  
residing at \_\_\_\_\_,  
being desirous of admission into the Canadian Society of Civil Engineers, beg to submit the following as my professional record.

I was born at \_\_\_\_\_ on \_\_\_\_\_ 18\_\_\_\_.

(The Candidate must here insert a concise history, with dates, of his professional career, specifying the positions he has held, the nature and extent of the works upon which he has been engaged, and his present profession and occupation. Proper names and names of railroads must be written in full.)

I will conform to the requirements of the class to which I may be elected.

(Signature).

(P. O. Address)

Date, \_\_\_\_\_ 189\_\_\_\_.

On the grounds stated, and because WE BELIEVE HIM FROM PERSONAL KNOWLEDGE to be in ALL RESPECTS A PROPER PERSON to be admitted into the Canadian Society of Civil Engineers, WE HEREBY RECOMMEND FOR ELECTION Mr. \_\_\_\_\_ of \_\_\_\_\_.

To be signed by at least five Corporate Members of the Canadian Society of Civil Engineers.

\* (This statement shall not be required from Associates. By-Law 21.)

† (One signature sufficient for Student. By-Law 21.)

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*The Canadian Society of Civil Engineers.*

The proposal for TRANSFER FROM ONE CLASS TO A HIGHER shall contain a statement, over the *candidate's signature*, of his *age, residence*, the nature and term of his *professional service*, and that he will conform to the requirements of the class to which he may be transferred.

STATEMENT.

I, .....,  
 residing at .....,  
 being a .....,  
 of the Canadian Society of Civil Engineers, beg to submit the following as my professional record, and request to be transferred to the class of ...

I was born at.....on..... 18.....

(The Candidate must here insert a concise history, with dates, of his professional career, specifying the positions he has held, the nature and extent of the works upon which he has been engaged, and his present profession or occupation. Proper names and names of railways must be written in full.)

I will conform to the requirements of the class of.....

(Signature).....

(P. O. Address).....

Date ....., 189.....

On the grounds stated, and because WE BELIEVE HIM FROM PERSONAL KNOWLEDGE to be properly qualified in ALL RESPECTS, WE WHOSE NAMES ARE HEREUNTO SUBSCRIBED SUBMIT to the Council of the Canadian Society of Civil Engineers the PROPRIETY OF TRANSFERRING FROM THE CLASS OF.....

TO THE CLASS OF.....

Mr. .... of .....,  
 To be signed by at least five Corporate Members of the Canadian Society of Civil Engineers.

FORM C.

**The Canadian Society of Civil Engineers.**

MONTREAL,

189

SIR,

I have the honour to inform you that having been proposed by Messrs. .... you were duly elected.

of THE CANADIAN SOCIETY OF CIVIL ENGINEERS, on the

..... day of.....

..... According to the Regulations of the Society, you are required as ..... to pay \$ ..... being your subscription for the current year, and to return the accompanying Form D, with your signature, within three months of the date of your election; otherwise your election will be cancelled. These conditions being complied with, you will be considered as admitted into the Society, when any publications or notices to which you are entitled will be forwarded according to your directions.

I beg to call your attention to Section 28 of the By-Laws.

I am, Sir,

Yours, &c.,

Secretary.

FORM D.

**The Canadian Society of Civil Engineers.**

I, the undersigned, being elected of THE CANADIAN SOCIETY OF CIVIL ENGINEERS, agree to be governed by the Charter and By-Laws of the Society. I will promote the objects of the Society as far as shall be in my power, and attend the meetings thereof as often as I conveniently can. Provided that whenever I shall signify in writing to the Secretary, for the time being, that I am desirous of withdrawing my name therefrom, I shall (after the payment of any arrears which may be due by me at that period) be free from this obligation.

I also engage to present to the Society an original communication, a drawing, plan, or model of engineering interest, or some scientific work for the library, within the space of twelve months from the date of my election.

Signature

P. O. Address

Date

189

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LIST OF MEMBERS  
OF THE  
Canadian Society of Civil Engineers.

JANUARY 30th, 1892.

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NOTICE.

It is particularly requested that changes of address be immediately communicated to

*The Secretary.*

*Canadian Society of Civil Engineers.*

*112 Mansfield St., Montreal.*

N.B.—Names of deceased members are in *italics*.

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THE

# Canadian Society of Civil Engineers.

Established February 24, 1887--Incorporated by Dominion  
Act June 23rd, 1887, 50 Vict., Cap. 124.

## Council :

### PRESIDENT.

JOHN KENNEDY.

### VICE-PRESIDENTS.

WILLIAM T. JENNINGS, | THOMAS MONRO,  
PETER ALEX. PETERSON.

### TREASURER.

HERBERT WALLIS.

### SECRETARY.

CLEMENT H. McLEOD.

## Honorary Councillors :

### PAST PRESIDENTS.

THOMAS C. KEEFER, C.M.G., COL. SIR CASIMIR S. GZOWSKI, A.D.C., K.C.M.G.

### MEMBERS.

JOHN D. BARNETT,  
KENNET W. BLACKWELL,  
HENRY T. BOVEY,  
HENRY J. CAMBIE,  
CHARLES E. W. DODWELL,  
F. C. GAMBLE,  
FREDERICK N. GISBORNE,

EDWARD A. HOARE,  
JOS. HOBSON,  
CHARLES H. KEEFER,  
HENRY G. C. KETCHUM,  
HUGH D. LUMSDEN,  
ALAN MACDOUGALL,  
HENRY N. RUTTAN,

PERCIVAL W. ST. GEORGE.

### LIBRARIAN.

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KENNET W. BLACKWELL, Chairman.  
 JOHN D. BARNETT,  
 FREDERICK N. GIBBORNE,  
 THOMAS MONRO,  
 PERCIVAL W. ST. GEORGE,

## ON LIBRARY.

PETER ALEX. PETERSON, Chairman.  
 KENNET W. BLACKWELL,  
 HENRY T. BOVEY,  
 CLEMENT H. McLEOD,  
 PERCIVAL W. ST. GEORGE,

## COMMITTEE ON PAPERS.

(APPOINTED BY COUNCIL.)

HENRY T. BOVEY, Chairman.  
 EDWIN GILPIN, JR.,  
 FREDERICK N. GIBBORNE,  
 ALBERT J. HILL,

WILLIAM T. JENNINGS,  
 ALAN MACDOUGALL,  
 HERD PETERS,  
 WILLIAM G. THOMPSON.

## GZOWSKI MEDAL COMMITTEE.

(APPOINTED BY COUNCIL.)

THOMAS MONRO, Chairman.  
 JOHN GALBRAITH,

F. N. GIBBORNE,  
 CHARLES MACDONALD,  
 JOHN T. NICOLSON.

## BUILDING FUND COMMITTEE.

(APPOINTED BY COUNCIL.)

EDMUND P. HANNAFORD, Chairman.  
 KENNET W. BLACKWELL,  
 HENRY G. C. KETCHUM,

PETER ALEX. PETERSON,  
 JAS. ROSS,  
 COLLINGWOOD SCHREIBER,  
 SIR JOS. W. TRUTCH.

## STATEMENT OF MEMBERSHIP.

	1891. Jan. 30.	1892. Jan. 30.
HONORARY MEMBERS.....	7	6
MEMBERS.....	281	281
ASSOCIATE MEMBERS.....	105	115
ASSOCIATES.....	75	80
STUDENTS.....	172	177
TOTAL.....	610	659

# CANADIAN SOCIETY OF CIVIL ENGINEERS.

LIST OF OFFICERS FOR THE YEARS 1887 TO 1892.

	1887.	1888.	1889.	1890.	1891.	1892.
President .....	T. C. KEEFER.	S. KEEFER.	C. S. GZOWSKI.	C. S. GZOWSKI.	SIR C. S. GZOWSKI.	JOHN KENNEDY.
Vice-Presidents, ...	C. S. GZOWSKI. J. KENNEDY. W. SHANLEY.	C. S. GZOWSKI. E. P. HANNAFORD. H. F. PERLEY.	E. P. HANNAFORD. H. F. PERLEY. P. A. PETERSON.	E. P. HANNAFORD. J. KENNEDY. H. F. PERLEY.	E. P. HANNAFORD. J. KENNEDY. F. J. LYNCH.	W. T. JENNINGS. T. B. MONRO. P. A. PETERSON.
Members of Council	F. N. GISBORNE. E. P. HANNAFORD. W. T. JENNINGS. S. KEEFER. L. LESAGE. H. D. LANSDEN. A. MACDOUGALL. H. F. PERLEY. H. PETERS. P. A. PETERSON. H. S. POOLE. H. N. RUTMAN. P. W. ST. GEORGE. C. SCHREIBER. H. WALLIS.	H. ABBOTT. E. F. BROWN. F. N. GISBORNE. J. HOBSON. W. T. JENNINGS. J. KENNEDY. L. LESAGE. A. MACDOUGALL. H. A. F. MACLEOD. M. MURPHY. P. A. PETERSON. H. S. POOLE. H. N. RUTMAN. P. W. ST. GEORGE. C. SCHREIBER. H. WALLIS.	G. F. BAILLARGE. J. D. BARNETT. K. W. BLACKWELL. S. T. G. J. BOSWELL. F. R. F. BROWN. G. C. CUMINGHAM. E. GILPIN. F. N. GISBORNE. W. T. JENNINGS. G. A. KEEFER. W. T. JENNINGS. G. H. MASSEY. J. KENNEDY. M. MURPHY. H. S. POOLE. H. N. RUTMAN. P. W. ST. GEORGE. E. WRAGGE. J. A. VANIER.	W. P. ANDERSON. J. D. BARNETT. F. R. F. BROWN. K. W. BLACKWELL. C. E. W. DODWELL. W. T. JENNINGS. G. A. KEEFER. H. G. C. KILGHEUM. T. MONRO. G. H. MASSEY. P. A. PETERSON. H. N. RUTMAN. P. W. ST. GEORGE. E. WRAGGE.	W. P. ANDERSON. J. D. BARNETT. F. R. F. BROWN. K. W. BLACKWELL. C. E. W. DODWELL. H. DONKIN. F. N. GISBORNE. E. A. HOARE. J. HOBSON. W. T. JENNINGS. T. MONRO. H. D. LANSDEN. P. A. PETERSON. H. N. RUTMAN. P. W. ST. GEORGE. SIR J. W. TRUTCH.	J. D. BARNETT. K. W. BLACKWELL. H. T. BOVEY. H. J. CAMPB. C. E. W. DODWELL. F. C. GAMBLE. F. N. GISBORNE. E. A. HOARE. J. HOBSON. C. H. KEEFER. H. G. C. KILGHEUM. H. D. LANSDEN. A. MACDOUGALL. H. N. RUTMAN. P. W. ST. GEORGE. P. W. ST. GEORGE. T. C. KEEFER. SIR C. S. GZOWSKI.
Past Presidents and Hon. Councillors.		T. C. KEEFER. S. KEEFER.	T. C. KEEFER. S. KEEFER.	T. C. KEEFER.	T. C. KEEFER.	T. C. KEEFER. SIR C. S. GZOWSKI.
Secretary, .....	H. T. BOVEY.	H. T. BOVEY.	H. T. BOVEY.	H. T. BOVEY.	H. T. BOVEY.	C. H. McLEOD.
Treasurer .....	H. WALLIS.	H. WALLIS.	H. WALLIS.	H. WALLIS.	H. WALLIS.	H. WALLIS.
Librarian, .....	F. CHADWICK.	F. CHADWICK.	F. CHADWICK.	F. CHADWICK.	F. CHADWICK.	Wm. McNAB.

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## HONORARY MEMBERS.

(Hon. M. Can. Soc. C. E.)

<i>Date of Membership.</i>	<i>Name.</i>	<i>Address.</i>
1889 May 23.	BRAMWELL, Sir FREDERICK JOSEPH, D.C.L., F.R.S.	5 Great George St., London, England
Jan. 3.	DAWSON, Sir JOHN WILLIAM, C.M.G., M.A., LL.D., F.R.S.,	McGill University, Montreal.
Nov. 14.	FOWLER, Sir JOHN, Bart., K.C.M.G., LL.D.	2 Queen's Square Place, London, England.
Mar. 28.	HARTLEY, Sir CHARLES AUGUSTUS, K.C.M.G.,	26 Pall Mall, S.W., London, England.
Nov. 14.	<i>Hawkshaw, Sir John.</i>	
Jan. 3.	STANLEY, THE RT. HON. Lord, OF PRESTON, G.C.B. P.C.,	Government House, Ottawa.
May 23.	THOMSON, Sir WILLIAM, F.R.S.S.L. & E., LL.D.,	The University, Glasgow, Scotland.

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MEMBERS.

(M. Can Soc. C. E.)

	<i>Date of Membership.</i>	<i>Name.</i>	<i>Address.</i>
	1887 Feb. 3.	ABBOTT, HARRY.....	Port Moody, B.C.
	1890 Apr. 10.	ABBOTT, IRA.....	Room 31, 150 Broadway, New York.
	1887 Jan. 20.	ABBOTT, JOB.....	Room 31, 150 Broadway, New York.
	1888 Mar. 22	ALEXANDER, HORACE CLEMENT....	Room 908, Cham. of Com. Bldg., Chicago, Ill.
	1887 Jan. 20.	ANDERSON, <i>Lieut.-Col.</i> WM. P.....	Dept. of Marine, Ottawa.
	1887 Nov. 11.	ARCHIBALD, PETER S.....	Moncton, N.B.
	1887 Feb. 24.	ARMOUR, JOHN FISHER.....	Hamilton, Ont.
	1887 Jan. 20.	ARMOUR, R.....	Hamilton, Ont.
	1887 Jan. 20.	ARMSTRONG, HARRY W. D.....	23 York St., Toronto.
	1888 Oct. 11.	ARMSTRONG, JOHN HARVEY.....	478 Huron St., Toronto.
	1887 Jan. 20.	ARMSTRONG, J. S.....	Gen. Man. Caledonia Mng. & Mfg. Co., Graeffenburgh, Pa.
	1887 June 25.	ARNOLDI, JOHN ROGER.....	Dept. Pub. Works, Ottawa.
	1887 Apr. 28.	ATKINSON, ROGER.....	C. P. R., Montreal.
	1887 Feb. 24.	AYLEN, JOHN.....	Morrisburg, Ont.
	1887 Jan. 20.	AYLMER, JOHN A.....	Care, Manning & Macdonald, Toronto.
	1887 Feb. 3.	BAILLAIRGÉ, CHAS. P., F.R.S.C....	Quebec.
	1887 Feb. 3.	BAILLAIRGÉ, GEORGE FRED.....	Dept. Pub. Works, Ottawa.
	1888 Jan. 27.	BAKER, <i>Sr</i> BENJAMIN.....	2 Queen Sq. Pl., London, Eng.
	1887 Jan. 20.	BARBER, JAMES HENRY.....	London, Ont.
	1889 Nov. 14.	BARCLAY, WILLIAM DUNCAN.....	Lethbridge, N.W.T.
	1887 Feb. 3.	BARLOW, JOHN RIGNEY.....	City Hall, Montreal.
	1887 Jan. 20.	BARNETT, JOHN DAVIS.....	G. T. R., Stratford, Ont.
		<i>(Member of Council.)</i>	
	1887 Feb. 3.	BARTLETT, JAMES HERBERT.....	Middlesborough, Kentucky.
	1887 Mar. 12.	BAYNE, GEORGE ARTHUR.....	141 Garry St., Winnipeg, Man.
	1887 Jan. 20.	BEAUDRY, JOSEPH ALPHONSE.....	107 St. James St. Montreal.
	1887 Jan. 20.	BECKWITH, ADOLPHUS G.....	Fredericton, N.B.
	1887 Feb. 3.	BEVOR, ABRAHAM FRED.....	G. T. R., Montreal.
	1887 Feb. 3.	BELCHER, JOHN E.....	Peterborough, Ont.
	1887 Sept. 17.	BELL, JAMES ANTHONY.....	St. Thomas, Ont.
	1887 Feb. 24.	A.M. } BERLINGUET, F. X. THOS...}	Three Rivers, P.Q.
	1890 Nov. 20.	M. }	
	1887 Feb. 3.	BERRYMAN, EDGAR.....	Q. C. Ry., Sherbrooke, Que.

## List of Members of

- 1887 Feb. 3. BLACKWELL, KENNETH WM. . . . . 213 Peel St., Montreal.  
*(Member of Council.)*
- 1887 Feb. 3. BLACKLOCK, MORRIS STANSFELD . . . . . St. Clair Tunnel, Sarnia, Ont.  
 1887 Feb. 3. BOAG, ROBERT . . . . .  
 1887 June 9. BOLGER, THOMAS OLIVER . . . . . Kingston, Ont.  
 1887 Feb. 3. BOLLAND, PERCY JAMES LEES . . . . . G. T. R., Montreal.  
 1887 Jan. 20. BOSWELL, ST. GEO. JAS., B.A.Sc . . . . . S. St. Denis St., Quebec.  
 1887 Jan. 20. BOVEY, HENRY TAYLOR, Summandeno, Ontario Ave.,  
 M.A., F.R.S.C., Montreal.  
*(Member of Council.)*
- 1887 May 23. BONZANO, ADOLPHUS . . . . . Phoenixville, Pa.  
 1887 June 25. BREEN, THOMAS . . . . . P. O. Box 1041, Quebec.  
 1887 Jan. 20. BRITTAIN, ALFRED . . . . . City Hall, Montreal.  
 1887 Feb. 3. BROWN, FRANCIS ROBT. FOUNTAINE, Mgr. Ont. Bolt Co., Swansea,  
 (near Toronto) Ont.  
 1887 Feb. 3. BRUSH, GEORGE . . . . . Eagle Foundry, Montreal.  
 1887 June 9. BURCHELL, HERBERT CHAS. . . . . St. John's, Nfld.  
 1890 Feb. 27. BURPEE, MOSES . . . . . N. B. Ry., Woodstock, N.B.  
 1887 Feb. 3. BUSK, CHARLES WESTLEY . . . . . Box 246, Victoria, B.C.  
 1887 Jan. 20. BUTLER, MATTHEW JOSEPH . . . . . K. N. & W. Ry., Napanee, Ont.  
 1887 Jan. 20. BUTLER, WILLIAM ROBT. B.E. . . . . King's Coll., Windsor, N.S.
- 1889 Jan. 3. CADDY, JOHN ST. VINCENT . . . . . Amherst, N.S.  
 1887 Jan. 20. CADMAN, JAMES . . . . . Quebec.  
 1888 Feb. 9. CAMBIE, HENRY JOHN . . . . . Vancouver, B.C.  
*(Member of Council.)*
- 1887 Feb. 24. CAME, FRANK ELDON . . . . . 61 Imp. Bldg., Montreal.  
 1887 Jan. 20. CARRE, HENRY . . . . . Box 203, Belleville, Ont.  
 1888 June 27. CARRY, HENRY E.C. . . . . Care, Edgar & Malone, Toronto.  
 1887 Dec. 1. CARSON, WILLIAM . . . . . Warrington, Eng.  
 1890 May 22. CHANUTE, OCTAVE . . . . . 5 Richie Pl., Chicago.  
 1887 Feb. 24. CHAPMAN, CHAS. HERBERT . . . . . Care of, McLennen, Stuart &  
 Chapman, Leader Lane,  
 Toronto.
- 1887 June 9. CHIPMAN, WILLES, B.A.Sc. . . . . Brockville, Ont.  
 1888 Feb. 9. CLARKE, RANDOLPH . . . . . G. T. Ry., Stratford, Ont.  
 1887 June 9. CLEMENT, LEWIS METZLER . . . . . 1013 Central Av., Oakland, Cal.  
 1887 Nov. 11. COOKE, ALEX. WILSON . . . . . 234 Dearborn Av., Chicago, Ill.  
 1888 April 19. COOK, RICHARD PLUNKETT . . . . .  
 1890 Nov. 20. COITHELL, ELMER LAWRENCE . . . . . 205 La Salle St., Chicago, Ill.  
 1887 Jan. 20. COSTE, JEAN LOUIS NAPOLEON . . . . . Dept. Public Works, Ottawa.  
 1887 Jan. 20. CRAWFORD, WILLIAM . . . . . Box 40, Sault Ste. Marie, Ont.  
 1887 Feb. 3. CUNNINGHAM, GRANVILLE C. . . . . City Hall, Toronto.  
 1888 Jan. 6. CUSHING, RICHMOND HERSEY . . . . . St. John, N.B.

- 1888 Mar. 22. DANCEY, CHARLES HENRY . . . . . Portage la Prairie, Man.  
 1887 Feb. 24. A.M. } DAVIS, WILLIAM MAHON . . . Woodstock Ont.  
 1891 April 9. M. }
- 1887 Jan. 20. DAVY, RICHARD ADAMS . . . . . Rivière du Loup Stn., P.Q.  
 1887 Feb. 24. DAWSON, WM. BELL, M.A.E., M.A. 243 University St., Montreal.  
 1887 Jan. 20. DENIEL, MARIE VICTOR EMILE . . . Coteau du Lac, Que.  
 1888 Jan. 6. DICKEY, JAMES ALEN . . . . . Amherst, N.S.  
 1887 Jan. 20. DODWELL, CHARLES ED. 42 Queen Street, Halifax, N.S.  
 WARDS WILLOUGHBY, B.A.  
 (Member of Council.)
- 1887 Jan. 20. DOMVILLE, CHARLES KELLOCK . . . Hamilton, Ont.  
 1889 Feb. 14. DONALDSON, MORLEY . . . . . Ottawa.  
 1887 June 9. DONKIN, HIRAM E. . . . . Port Hawkesbury, Cape Breton, N.S.  
 1887 June 9. DORSET, Capt. ARTHUR EMILE . . . Care, Reid & Middleton, Contractors, Placentia Jet., Nfld.  
 1887 Jan. 20. DRUMMOND, Hon. GEORGE ALEN . . . 874 Sherbrooke St., Montreal.  
 1887 Feb. 24. DUFFY, EDMUND H. . . . . St. John, N.B.  
 1887 Feb. 24. A.M. } DUFFY, AMBROSE . . . . . 519 King St., Ottawa.  
 1887 April 14. M. }
- 1888 Mar. 22. A.M. } DUGGAN, GEORGE HERRICK, Dom. Bridge Co., Windsor  
 1890 Feb. 27. M. } Hotel, Montreal.  
 1887 April 14. DYER, JOHN . . . . . 363 St. Antoine St., Montreal.
- 1888 April 19. ELLERS, GEORGE HOWARD . . . . . Box 327, Chicago, Ill.  
 1887 Feb. 24. EVANS, JOHN DENLOP . . . . . Trenton, Ont.  
 1887 Feb. 24. EVANS, EDWARD ARTHUR . . . . . Q. & L. St. J. Ry.,  
 Quebec, P.Q.
- 1887 Jan. 20. FELLOWES, G. R. . . . . 121 Nepean Street, Ottawa.  
 1887 Feb. 3. FIRTH, C. . . . . U. S. Engineer's Office,  
 Wetumpka, Ala.  
 1888 Sept. 17. FLEMING, RICHARD PHILIP . . . . . Standard Building, St. James  
 Street, Montreal.  
 1889 Nov. 11. FORREST, HORATIO FRED. . . . . Winnipeg, Man.  
 1888 Mar. 22. FORSE, EDWIN . . . . . Temiscouata Ry., Edmunds-  
 ton, N.B.  
 1887 Jan. 20. FORSYTH, ROBERT . . . . . 130 Bleury Street, Montreal.  
 1887 Apr. 28. FOSTER, PHILIP LAWRENCE . . . . . Blue Bird Mining Co.,  
 Butte City, Montana.  
 1887 Jan. 20. FOWLER, ZACCHEUS JOHN . . . . . Newcastle, N.B.  
 1887 Feb. 3. Franks, Cecil Bush . . . . .  
 1888 June 27. FRY, HENRY, JUN. . . . . Quamichan, B.C.

*List of Members of*

- 1887 Jan. 20. GALBRAITH, JOHN, PROF., M.A.... University College, Toronto.  
 1888 Mar. 22. GALT, JOHN..... Toronto.  
 1887 Jan. 20. GAMBLE, F. C..... Dept. Pub. Works, Victoria,  
 (Member of Council.) B.C.
- 1887 Jan. 20. GARDEN, GEORGE HERBERT..... St. Jerome, P.Q.  
 1887 Nov. 11. GAUVREAU, NARCISSE BELLEAU.... Now Westminster, B.C.  
 1887 Jan. 20. GIBSON, PETER SILAS..... Willowdale, Ont.  
 1887 Jan. 20. *Gilbert, E. E.*.....  
 1887 Jan. 20. GILBERT, FRANK ..... Can. Eng. Works, Montreal.  
 1887 Feb. 3. GILBERT, WALTER W..... Can. Eng. Works, Montreal.  
 1887 Nov. 11. GILPIN, EDWIN, JUN., F.R.S.C. .... Bedford, Halifax, N.S.  
 1887 Jan. 20. GISBORNE, FREDERICK N., Govt. Tel. Service, Ottawa.  
 F.R.S.C.,  
 (Member of Council.)
- 1888 Mar. 22. GOAD, CHARLES EDWARD..... Temple Building, Montreal.  
 1887 May 12. GOWER, WILLIAM EDWARD..... 204 St. James Street, Montreal  
 1887 June 9. GRANT, PETER..... Grand Narrows, C.B., N.S.  
 1887 Jan. 20. GRAY, HENRY ALFRED..... 151 Sherbourne Street, Toronto  
 1887 Jan. 20. *Guerin, Thomas*.....  
 1887 Jan. 20. GZOWSKI, COL. SIR CASIMIR The Hall, Toronto, Ont.  
 STANISLAUS, A.D.C., K.C.M.G.  
 (Past President and Honorary Councillor.)
- 1887 Jan. 20. HANNAFORD, EDMUND PHILLIPS.... G. T. Ry., Montreal.  
 1887 Feb. 24. HARKOM, JOHN WILLIAM..... G. T. Ry., Toronto.  
 1887 Jan. 20. *Harrington, T. W.*.....  
 1887 Jan. 20. HARRIS, ROBERT CARR, PROF..... Royal, Mil. Col., Kingston,  
 Ont.
- 1888 Feb. 9. HARRIS, WILLIAM DALE..... Ottawa.  
 1891 Jan. 29. HASKINS, WILLIAM..... Hamilton, Ont.  
 1887 Feb. 24. HAY, THOS. ALEX. STEWART..... G. T. Ry., Peterborough, Ont.  
 1888 May 17. HEGAN, JAMES BLACK..... St. John, N.B.  
 1887 Jan. 20. HENDERSON, ERNEST G..... C. P. Ry., Toronto, Ont.  
 1887 Jan. 20. *Henshaw, George H.*.....  
 1889 May 23. HERING, RUDOLPH..... 277 Pearl Street, New York.  
 1887 April 14. HERSEY, JOHN RANDOLPH..... Pillow & Hersey Co., Montreal  
 1888 May 17. HERTZBERG, ANTON LUND..... C. P. Ry., Toronto  
 1887 April 28. HIBBEARD, F. A..... St. Armand Station, P.Q.  
 1887 Feb. 3. HILL, ALBERT JAMES, M.A. .... New Westminster, B.C.  
 1887 June 25. HILL, ARTHUR EDMUND BRETON. .City Hall, New Westminster,  
 B.C.
- 1887 Jan. 20. HILLMAN, THOMAS EDWARD..... Box 512 Sarcelles, Ont.  
 1887 Jan. 20. HOARE, EDWARD ARTHUR...93 St. Peter Square, Quebec.  
 (Member of Council.)
- 1887 Jan. 20. HOBSON, JOSEPH..... G. T. Ry., Hamilton, Ont.  
 (Member of Council.)



- 1890 Apr. 10. HOGG, ALEXANDER LAUDER.....52 Imp. Building, Montreal.  
 1887 Dec. 1. HOGGATE, HENRY.....G. T. Ry., Allandale, Ont.  
 1887 Jan. 20. HOLLAND, GEORGE.....G. T. Ry., Montreal.  
 1888 Feb. 9. HOLLINSHEAD, HUGH NEVILLE Cobourg, Ont.  
 BROCK.  
 1889 Feb. 14. A. } HOLT, HERBERT SAMUEL.....Windsor Hotel, Montreal.  
 1889 Dec. 19. M. }  
 1887 Jan. 20. HOWARD, STUART.....27 St. Luke Street, Montreal.  
 1887 Jan. 20. HYNDMAN, PATRICK KENNEDY.....286 Stewart Street, Ottawa.
- 1887 Jan. 29. JENNINGS, WILLIAM T.....City Hall, Toronto.  
 (*Vice-President.*)  
 1887 Feb. 24. JOHNSON, E. V.....Dept. of Railways, Ottawa.
- 1887 Jan. 20. KEEFER, CHARLES HENRY..Manning Arcade, King St.,  
 (*Member of Council.*) Toronto.  
 1887 Feb. 3. KEEFER, GEORGE ALEXANDER.....Victoria, B.C.  
 1887 Feb. 3. *Keefer, Harold*.....  
 1887 Jan. 20. KEEFER, THOMAS COLTRIN, Ottawa.  
 C.M.G.,  
 (*Past President and Honorary Councillor.*)  
 1887 Jan. 20. *Keefer Samuel*.....  
 1887 Jan. 20. KENNEDY, JOHN.....Harbour Office, Montreal.  
 (*President.*)  
 1887 Feb. 24. KENNEDY, WILLIAM, JUN.....Owen Sound, Ont.  
 1887 Oct. 16. KETCHUM, HENRY GEORGE Amherst, N.S.  
 CLOPPER.  
 (*Member of Council.*)  
 1887 Jan. 20. KILLALY, HAMILTON H.....Morrisburg, Ont.  
 1887 Jan. 20. KINGSFORD, WILLIAM. ....Stewart Street, Ottawa.  
 1890 Feb. 27. KONDRATOVITSH, ADAM BOLESLAUS Care of Administration of  
 IMSHENICK ..... Russian State Rys.,  
 St. Petersburg, Russia.  
 1890 Feb. 27. KROUGLICOFF, NICHOLAS.....Care of Administration of  
 Russian State Rys.,  
 St. Petersburg, Russia.
- 1887 Feb. 24. A. M. } LANTIER, ELZÉAR.....93 St. Peter Street, Quebec.  
 1889 Nov. 14. M. }  
 1887 Jan. 20. LAURIE, WALTER H.....203½ St. Hubert, St., Montreal.  
 1888 Jan. 6. LAWSON, ALLAN JOHN.....Bangkok, Siam.

## List of Members of

- 1887 Jan. 20. LE DUC, DENIS ..... 206 St. Denis Street, Montreal  
 1889 Feb. 14. LEITCH, FREDERICK JAMES ..... Kingston, Ont.  
 1887 Jan. 20. A. M. J. LEONARD, REUBEN WELLS. 35 George Street, Kingston,  
 1890 May 22. M. J. ..... Ont.  
 1887 Jan. 20. Lesage, Louis.....  
 1889 Feb. 14. LINDENTHAL, GUSTAV ..... Lewis Block, Pittsburgh, Pa.  
 1888 Feb. 9. LLOYD, JOHN YEEDON ..... G. T. R., Richmond, P.Q.  
 1887 Jan. 20. LUMSDEN, HUGH DAVID..... 7 Homewood Ave., Toronto.  
 (*Member of Council.*)  
 1887 May 12. LYNCH, FRANCIS JOSEPH..... Dept. Rys. & Canals, Ottawa,  
 Ont.  
  
 1888 Mar. 22. McARTHUR, WILLIAM..... Res. Eng. St. Peter's Canal,  
 St. Peter's, C.B.  
 1887 Jan. 20. McCONNELL, BRIAN D..... City Hall, Montreal.  
 1887 Jan. 29. McLEOD, CLEMENT HENRY, McGill University, Montreal.  
 M.A.E., PROF.  
 (*Secretary and Member of Council.*)  
 1887 June 25. McMILLAN, DANIEL ..... Charlo Station, Restigouche,  
 N.B.  
 1887 Jan. 20. McMINN, THOMAS JAMES ..... 277 Pearl St., New York.  
 1887 Feb. 3. McNAB, WILLIAM ..... G. T. R., Montreal.  
 (*Librarian.*)  
 1887 Feb. 3. McWOOD, WILLIAM ..... G. T. R., Montreal.  
  
 1889 Feb. 14. MACDONALD, CHARLES ..... No. 1 Broadway, New York.  
 1887 Jan. 20. MACDOUGALL, ALAN..... 32 Adelaide St. East, Toronto.  
 (*Member of Council.*)  
 1877 Nov. 11. MACKENZIE, WM. BROUARD..... Moncton, N.B.  
 1887 Feb. 24. MACKLIN, JOHN GEORGE..... Peterborough, Ont.  
 1887 Jan. 20. MACLEOD, HENRY AUGUSTINE ..... 310 Cooper St., Ottawa.  
 FITZGERALD.  
 1887 June 9. MACLEOD, MALCOLM HUGH. .... Fenelon Falls, Ont.  
 1887 Jan. 20. MacPHERSON, DUNCAN..... C. P. R., Montreal.  
 1887 May 21. MARCEAU, ERNEST ..... 48 Sparks St., Ottawa.  
 1891 May 21. MASSON, GEORGE ..... Detroit, Mich.  
 1887 Jan. 20. MASSY, GEORGE HUGH ..... 180 St. James St., Montreal.  
 1888 Mar. 22. MATHER, THOMAS HOGGAN..... Sherbrooke, P.Q.  
 1887 Feb. 3. MATHEWSON, WILLIAM GRANT..... New Glasgow, N.S.  
 1887 Feb. 3. MEADOWS, JOSEPH, B.A..... 694 Ontario St., Toronto.  
 1887 June 9. MERCALFE, CHARLES PERCIVAL .... Care, V. Morgan, Australian  
 Club, Melbourne, Australia  
 1887 Feb. 3. MIDDLETON, THOMAS ..... Care, S. S. & D. Co., Bucyrus,  
 Ohio.

- 1887 Feb. 24. MILLER, FRED. FRASER, B.A.Sc ... Room 119, Temple Building,  
[www.libtool.com.cn](http://www.libtool.com.cn) Montreal.
- 1888 May 17. A.M. } MILES, CHARLES LE BARON .P.O. Box 117,  
 1890 April 10. M. } Upper Andover, N.B.
- 1887 Nov. 11. MILLIDGE, EDWIN GILPIN..... Antigonish, N.S.
- 1887 Feb. 24. MOFFATT, JAMES W., B.A.Sc..... Chief Engr. Great West. Ry.,  
 Salt Lake City, Utah, U.S.
- 1888 Feb. 9. MOHUN, EDWARD..... City Hall, Victoria, B.C.
- 1887 June 25. MOLESWORTH, BALFOUR NEPEAN...Johnson City, Tenn., U.S.
- 1887 Jan. 20. MONRO, THOMAS.....Coteau Landing, P.Q.  
 (Vice-President.)
- 1888 Mar. 22. MORRILL, JOHN THOMAS.....Q. C. Ry., Sherbrooke, P.Q.
- 1887 Jan. 20. MOUNTAIN, GEORGE ALPHONSO...Can. At. Ry., Ottawa.
- 1887 Jan. 20. MURDOCH, WILLIAM .....30 Union St., Kingston, Ont.
- 1887 Feb. 3. MURPHY, MARTIN, D.Sc.....Halifax, N.S.
- 1887 Feb. 24. NASH, GEORGE RICHARD.....G. T. Ry., Montreal.
- 1888 May 17. NEILSON, MATTHEW.....Cmre, of C. & E. Ry., Calgary,  
 N.W.T.
- 1891 Nov. 19. NICOLSON, JOHN T., PROF.....McGill University, Montreal.
- 1891 Jan. 29. O'ROURKE, JOHN FRANCIS.....32 West 97th St., New York.
- 1887 May 12. Page, John.....
- 1887 Jan. 20. PARENT, ETEENNE H.....Canal Office, Montreal.
- 1888 Jan. 6. PATERSON, JAMES ALLISON.....9 Masonic Buildings, Toronto.
- 1887 Jan. 20. PERLEY, HENRY F.....Dept. Pub. Works, Ottawa.
- 1888 Mar. 22. PERRY, JAMES RUDSTON.....Napance, Ont.
- 1887 Jan. 20. PETERSON, PETER ALEX.....C. P. Ry., Montreal.  
 (Vice-President.)
- 1887 Jan. 20. PETERS, HURD..... St. John, N.B.
- 1887 Feb. 24. PIM, JOSEPH PHELPS, B.A. .... Abington Buildings, Portland,  
 Oregon.
- 1891 Nov. 19. PINDER, WILLIAM GEORGE.....94 Superior St., Victoria, B.C.
- 1887 Jan. 20. PLUNKETT, EDMUND WALTER.....91 O'Connor Street, Ottawa.
- 1887 Jan. 20. POOLE, HENRY SKEFFINGTON.....Stellarton, N.S.
- 1889 Mar. 14. POULIN, SPANISLAS R.....Emsdale Dis. of Parry Sound,  
 Ont.
- 1887 June 25. PRATT, ROBERT MURRAY.....City Engineer's Office, St.  
 John's, Nfld.
- 1888 Oct. 11. PRICE, PETLEY LLOYD A.....Kentville, N.S.
- 1890 Feb. 27. PRICE, RODMAN M.....Springville, N.S.
- 1887 Feb. 24. PRINGLE, THOMAS.....2439 Notre Dame St, Montreal.

*List of Members of*

- 1887 Feb. 24. QUIRK, EUGENE PATRICK..... Box 1497, Montreal.  
[www.libtool.com.cn](http://www.libtool.com.cn)
- 1887 Oct. 6. RAMSEY, WILLIAM ALLEN ..... Robinson, Bury, P.Q.  
 1887 Jan. 20. RANNEY, GEORGE WARNER ..... Peterborough, Ont.  
 1887 Jan. 20. REDPATH, FRANCIS ROBERT ..... Inglenook, Ont. Av, Montreal.  
 1887 Jan. 20. RHEAUME, LOUIS NAPOLEON ..... Morrisburg, Ont.  
 1887 April 14. RHODES, ARMITAGE ..... 303 Stanley St., Montreal.  
 1887 Jan. 20. RIDOUT, THOMAS ..... Dept. Rys. & Canals, Ottawa.  
 1887 Jan. 20. ROBERTSON, GEO. EDWARD, B.A.Sc. Dickinso'n's Landing, Ont.  
 1887 Feb. 24. ROBERTSON, W. F., B. A. Sc. .... Now Brighton, Staten Is., N.Y.  
 1887 May 12. ROGERS, RICHARD B., B.A. Sc. .... Peterborough, Ont.  
 1887 Feb. 24. ROSAMOND, JAMES EDWARD ..... Cornwall, Ont.  
 1888 Oct. 11. ROSS, JAMES ..... Windsor, Hotel, Montreal.  
 1887 Feb. 3. RUST, CHARLES HENRY ..... City Hall, Toronto.  
 1887 Jan. 20. RUTTAN, HENRY NORLANDE City Hall, Winnipeg.  
*(Member of Council.)*
- 1887 Feb. 24. SCHREIBER, COLLINGWOOD ..... Dept. of Railways, Ottawa.  
 1887 Jan. 20. SCOTT, WILLIAM LEMUEL ..... Harbour Office, Montreal.  
 1890 Feb. 27. SECRETAN, JAMES HENRY EDWARD N. W. C. Ry., Winnipeg, Man.  
 1887 Feb. 24. A.M. } SHANLY, JAMES MOORE ..... 10 St. Mark St., Montreal.  
 1890 Feb. 27. M. J }  
 1887 Feb. 24. SHANLY, WALTER, M.P. .... St. Lawrence Hall, Montreal.  
 1887 Jan. 20. SHEWEN, EDWARD THORNBROUGH Cape Tormentine, N.B.  
 PARKER.....  
 1888 June 11. SIEMENS, ALEXANDER ..... 12 Queen Anne's Gate,  
 London, Eng.
- 1887 Feb. 24. SIMPSON, FRANK ..... Continental Hotel, Toronto.  
 1887 Jan. 20. SIMPSON, JOHN ..... Mount Forest, Ont.  
 1887 Feb. 3. SMITH, A. H. .... G. T. Ry., London, Ont.  
 1888 Feb. 9. SMITH, HENRY BADELEV ..... Victoria, B.C.  
 1887 Jan. 20. SMITH, HENRY ..... Dept. Crown Lands, Toronto.  
 1887 Sept. 17. *Smith, Thomas T. Vernon* .....  
 1887 May 12. SOMERVILLE, FRANK LINN ..... G. T. Ry., Peterborough, Ont.  
 1887 Jan. 20. SPROATT, C. .... City Hall, Toronto.  
 1887 Jan. 20. SPROULE, WILLIAM JOHNSTON ..... Harbour Office, Montreal.  
 1887 Feb. 24. A.M. } STECKEL, LOUIS JOSEPH RENÉ Dept. Pub. Works, Ottawa.  
 1888 Feb. 9. M. J }  
 1889 Nov. 11 STEWART, ALEXANDER ..... Winnipeg, Man.  
 1888 Feb. 9. STEWART, GEORGE ALEXANDER ..... National Park, Alberta.  
 1887 Feb. 24. STEWART, ROBERT C. .... Hamilton, Ont.  
 1887 Jan. 20. ST. GEORGE, PERCY ALA City Hall, Montreal.  
 WALTER,  
*(Member of Council.)*

- 1887 Jan. 20. *Stokes, J. T.*.....
- 1887 Feb. 20. *SIMONFIELD, PETER*.....City Hall, Victoria, B.C.
- 1887 Jan. 20. *SURTEES, ROBERT*.....City Hall, Ottawa.
- 1888 June 11. *SETCLIFFE, JOHN*.....Poughkeepsie, New York.
- 1887 Feb. 21. *SYKES, SAMUEL H.*.....Rock Cr., Oregon, U.S.A.
- 1887 Feb. 3. *SYMES, H. C.*.....Niagara Falls, Ont.
- 
- 1887 April 28. *TATE, ROBERT FREDERICK*.....294 Crawford St., Toronto.
- 1888 Mar. 22. *TAYLOR, JAMES HENRY*.....K. & P. Ry., Kingston, Ont.
- 1889 May 23. *TEMPLE, EDMUND BONNER*.....25 Toronto St., Toronto.
- 1891 Jan. 29. *THOMPSON, WM. GEORGE MACNEILL*.Res. Engineer Welland Canal,  
St. Catharines, Ont.
- 1889 Dec. 19. *THOMSON, FREDERICK*.....Royal Electric Co., Montreal.
- 1888 Mar. 22. *TORRANCE, JOHN FRASER*.....P.O. Box 1745, Montreal.
- 1888 Oct. 11. *TRACY, Col. THOMAS H.*.....City Hall, Vancouver, B.C.
- 1887 Sept. 17. *TRUTCH, Sir JOSEPH W.*.....Victoria, B.C.
- 1891 Jan. 29. *TURNER, FRANK EDWIN PRINCE*...Bracondale, Toronto, Ont.
- 1891 Oct. 8. *TWINING, CHAS. RUFUS FAIRBANKS*.Engenheiro de Construcao de  
E. F. Sapucahy, Ponso Alegre,  
Estado de Minas. Brazil.
- 
- 1887 Nov. 11. *UNSLACK, ROBERT FITZGERALD*...South Amboy, N.J.
- 1888 Jan. 6. *UNSWORTH, JOSEPH LENNON*.....Charlottetown, P.E.I.
- 
- 1892 Jan. 28. *VALQUET, ULRIC*.....St. Joseph de Levis, Que.
- 1887 Nov. 11. *VALLÉE, LOUIS ANDRÉ*.....Dept. Public Works, Que.
- 1888 Jan. 9. *VAUTELET, HENRI ETIENNE*.....C.P. Railway, Montreal.
- 
- 1887 Jan. 20. *WALBANK, W. McLEA, B.A.Sc.*...214 St. James St., Montreal.
- 1887 Jan. 20. *WALLIS, HERBERT*.....G. T. Ry., Montreal.  
(*Treasurer and Member of Council.*)
- 1887 Jan. 20. *WANKLYN, FREDERIC LUMB*.....G. T. Ry., Montreal.
- 1888 Oct. 11. *Wassell, Edward*.....
- 1887 Feb. 24. *WEBSTER, GEORGE HERBERT*.....Portage la Prairie, Man.
- 1891 Oct. 8. *WELLINGTON, ARTHUR M.*.....Editor *Engineering News*,  
Tribune Buildings,  
New York, N. Y.
- 1887 Jan. 20. *WHITE, THOMAS HENRY*.....C. P. Ry., Winnipeg, Man.
- 1887 Jan. 20. *WICKSTED, HENRY K., B.A.Sc.*..Box 156, Cobourg, Ont.
- 1890 May 22. *WILLIAMS, JOHN*.....1017 Bathurst St., Toronto.
- 1888 Jan. 6. *WILMOT, EDWARD ASHLEY*.....Victoria, B.C.

*List of Associate Members of*

- 1887 Feb. 24. WILSON, JAMES ..... Supt. Q. V. Niagara Falls Park,  
Niagara Falls, Ont.  
1887 Jan. 20. WISE, FREDERICK A ..... Dept. Railways and Canals,  
Ottawa,  
1887 Jan. 20. WRAGGE, EDMUND ..... G. T. Ry., Toronto.
- 1889 Dec. 19. YATES, HENRY ..... Brantford, Ont.
- 1890 Feb. 27. ZDZIARSKI, ANTOINE ..... 118 Grand Sadovaya,  
St. Petersburg, Russia.  
1889 Dec. 19. ZUCCHER, MAX A ..... 285 Bleury St., Montreal.

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ASSOCIATE MEMBERS.

(A. M. Can. Soc. C. E.)

<i>Date of Membership.</i>	<i>Name.</i>	<i>Address.</i>
1889 Mar. 14.	A. } ABREY, GEORGE BROKITT	17 Yonge St. Arcade, Toronto.
1890 April 10.	A.M. }	
1887 Oct. 16.	ALLISON, JOHN LOGIE	Coteau Landing, P.Q.
1887 Jan. 20.	Archibald, Henry, B.A.Sc.	
1887 Feb. 24.	S. } ASHBRIDGE, WELLINGTON	144 Queen St. E., Toronto.
1892 Jan. 28.	A.M. }	THOS,
1887 June 25.	AYLMER, HARRY BROCK	Melbourne, P.Q.
1887 June 25.	BAKER, CHARLES STUART	Can. Govt. Office, Victoria St. London, Eng.
1887 Jan. 20.	S. } BALL, JOHN PLAW	11 Washington St., Chicago, Ill.
1891 April 9.	A.M. }	
1887 June 9.	BANNISTER, HENRY	Portsmouth, Ont.
1888 Feb. 9.	BOOTH, CHARLES ED. STUART	Radford, Va., U.S.
1887 June 25.	S. } BOWMAN, FRED ALLISON	Royal Electric Co., Montreal.
1891 Nov. 19.	A.M. }	
1888 April 19.	BOWMAN, HERBERT JOSEPH	Berlin, Ont.
1891 Nov. 19.	BRIGHT, JOHN BENJ.	Macleod, Alberta.
1887 April 28.	S. } BROOKS, NOEL EDGELL	Sherbrooke, Que.
1890 Nov. 20.	A.M. }	
1890 May 22.	BROUGH, WALTER CONSTANTINE	Water-Works, Toronto.
1887 Feb. 24.	BURNS, DAVID	109 McCaul St., Toronto.
1890 Feb. 27.	BURNS, WILLIAM	Renfrew, Ont.
1887 Feb. 24.	CAIRNIE, GORDON F.	Peterborough, Ont.
1888 Mar. 22.	CAMPBELL, ARCHIBALD W.	St. Thomas, Ont.
1887 Feb. 24.	CHALONER, CHARLES	Dept. Pub. Works, Ottawa.
1889 Nov. 14.	CHAPMAN, WALTER PECK	G. T. Railway, Allandale, Ont.
1887 Nov. 11.	COWIE, FREDERICK WM.	Dept. Pub. Works, Sorel, P.Q.
1887 Feb. 24.	CREWE, HENRY	Toronto, Ont.
1887 Feb. 24.	CROWLEY, CHARLES JAMES	G. T. Ry., Cobourg, Ont.
1887 April 12.	S. } DOYNE, FRANCIS WILLIAM	Halifax, N.S.
1889 Jan. 3.	A.M. }	WHITNEY,
1887 June 25.	DEWEY, WILLIAM SELWART	Dept. of Interior, Ottawa.
1889 Mar. 14.	DRUMMOND, THOMAS	9 Crescent St., Montreal.
1887 June 25.	DENN, GUY CRAMP BELL	C. & G. V. Ry., Central Cham- bers, Elgin St., Ottawa.

*List of Members of*

- 1891 May 21. ELLIS, HENRY DISNEY ..... City Engineer's Office,  
Toronto, Ont.  
1890 April 10. EVANS, ARTHUR THOMAS K. .... 25 Toronto St., Toronto.
- 1887 Jan. 20. FLEMING, SANDFORD H. .... Ottawa, Ont.  
1888 Jan. 6. FORTIER, SAMUEL, B.A.Sc. .... Ogden, Utah, U.S.A.  
1887 Dec. 1. FOWLER, ROBERT ..... London, Ont.
- 1887 Feb. 3. GARDINER, EDWARD ..... St. Catharines, Ont.  
1887 Jan. 20. GAUVIN, CHARLES EDWARD ..... Quebec.  
1888 Dec. 6. GIROUARD, *Lieut.* PERCY C., R.E. .... Royal Arsenal,  
Woolwich, Eng.
- 1887 June 25. GIROUX, NAPOLEÓN JULIEN ..... Geological Survey, Ottawa.  
1887 June 9. GISBORNE, HARTLEY ..... Qu'Appelle Sta., Assa, N.W.T.  
1891 Oct. 8. GRANT, ALEX. JOS. .... Engineer's Office,  
Coteau Landing, Que.
- 1892 Jan. 28. GRAYDON, AQUILLA ORMSBY ..... City Hall, London, Ont.  
1887 June 25. GUAY, JEAN FRANÇOIS ..... St. Louis Gate, Quebec.
- 1887 June 25. HALL, CHARLES HALIFAX. .... Engineer's Office, C. P. Ry.,  
Winnipeg, Man.  
1889 Dec. 19. HANNAFORD, ROBE. MAITLAND. .... G. T. Ry., Kingston Jet., Ont.  
1887 May 12. HAYNES, JOSEPH, *Prof.* ..... 180 St. James St., Montreal.  
1887 Feb. 24. HECKMAN, JOSEPH WILLIAM, B.E. .... C. P. Ry., Montreal.  
1889 Feb. 14. HISLOP, JOHN. .... 41 Jacobson Building,  
Denver, Colo.
- 1887 Feb. 3. HODGINGS, ARTHUR EDWARD ..... Nelson, B.C.  
1887 Jan. 20. S. } HOPKINS, MARSHALL  
1891 April 9. A.M. } WILLARD ..... Stoney Creek, Ont.
- 1887 Jan. 20. IRWIN HENRY ..... 103 Union Avenue, Montreal.
- 1890 Feb. 27. JOHNSTONE, JAMES. .... Regina, N.W.T.  
1887 Jan. 20. S. } JONAH, FRANK GILBERT. .... St. Louis Merchants' Bridge  
1889 Dec. 19. A.M. } ..... Tor. Ry., St. Louis, Mo.
- 1887 June 25. KEELEY, DAVID HERBERT ..... Govt. Tel. Service, Ottawa.  
1887 Jan. 20. KENNEDY, JAMES H. .... Demersville, Mont.



- 1888 April 19. KENRICK, ROBERT B ..... Don. Bridge Co.,  
[www.libtool.com.cn](http://www.libtool.com.cn) Windsor Hotel, Montreal.
- 1889 Dec. 19. KIMBALL, WALTER R. .... Wayne Hotel,  
 Fort Wayne, Ind.
- 1888 Mar. 22. KIRKPATRICK, ALEX. KING ..... Can. Pac. Ry.,  
 Smith's Falls, Ont.
- 
- 1888 June 27. LANGEVIN, HECTOR LAFORCE ..... 73 Lewis St., Quebec.
- 1887 Feb. 24. LANGUEDOC, GEORGE FRANCIS ..... 180 St. James St., Montreal.  
 ERROI DE GUERKY,
- 1889 Dec. 19. LEPROHON, CLAUDE DE ..... 961 Dorchester St., Montreal.  
 BELLEFVILLE,
- 1887 Jan. 20. LESAGE, THOMAS W., B.A.Sc. .... City Hall, Montreal.
- 1887 June 9. S. J. LOCKE, ROBT TODD. .... Care, F. W. W. Doyno, City  
 1891 Nov. 19. A.M. J. Engineer, Halifax, N.S.
- 1887 June 25. LOW, ALBERT PETER, B.A.Sc. .... Geological Survey, Ottawa.
- 
- 1887 Jan. 20. S. J. MCCARTHY, JAMES MARMAN ..... Turkish Bath, Montreal.
- 1890 Feb. 27. A.M. J. DUKE,
- 1888 Feb. 9. S. J. MCCOLL, ROBERT ..... New Glasgow, N.S.
- 1890 April 10. A.M. J.
- 1891 April 9. McCulloch, Andrew Lake ..... Galt, Ont.
- 1887 Feb. 24. S. J. McDOWALL, ROBERT ..... Owen Sound, Ont.
- 1892 Jan. 28. A.M. J.
- 1888 May 28. MCGREEVY, CHARLES ..... Harbour Works, Quebec.
- 1888 Feb. 9. McINTYRE, JOHN ..... 25 Blenry St., Montreal.
- 1887 Jan. 20. McLEAN, ALEXANDER J., B.A.Sc. .... G. T. Ry., Napanee, Ont.
- 
- 1888 Jan. 6. MACKENZIE, JAMES HUGH ..... Queen Hotel, St. John, N.B.
- 1890 Feb. 27. MAZE, CHARLES D., B.A. .... 51 Durocher St., Montreal.
- 1891 Jan. 29. MILLICAN, CHARLES ARCHER ..... Box 476, Winnipeg, Man.
- 1887 Feb. 24. MORRIS, JAMES LEWIS ..... Pembroke, Ont.
- 
- 1888 Jan. 6. ODELL, CHARLES MONSARRAT ..... North Sydney, C.B., N.S.
- 1887 June 25. O'DAWYER, JOHN SEAFRY, B.A.Sc. .... P. O. Box 242, Vancouver, B.C.
- 1887 Feb. 3. O'HANLY, JOHN MITCHELL ..... 352 Dalé St., Ottawa.
- 1887 Oct. 16. OLIVER, STEPHEN STERLING ..... Quebec.
- 1887 Feb. 3. ORD, L. R. .... Sharpe's P.O., Indian River,  
 Florida, U.S.
- 1887 May 12. OSTLER, CHARLES HODGSON ..... 168 Rideau St., Kingston, Ont.

*List of Associate Members of*

- 1887 Jan. 20. S. } PALMER, ROBERT EDWARD... P. O. Box 292, Vancouver, B.C.  
 1891 Nov. 19. A.M. }
- 1891 April 9. PANI, CAMILO ENRIQUE..... Asst. Engr. Mex. Cent. R.R.,  
 Mexico City, Mexico.
- 1887 Feb. 24. PAPINEAU, LOUIS GUSTAVE..... St. Onrs, P.Q.  
 1887 Feb. 24. PARISEAU, LOUIS STANISLAS..... St. Johns, P.Q.  
 1887 Jan. 20. PERRAULT, EDWARD EUGENE..... City Hall, Oitawa.  
 1887 May 12. PERRON, PIERRE ALFRED..... Campbellton, N.B.  
 1888 April 19. PILSWORTH, WM. ROBERT..... City Hall, Toronto, Ont.
- 1889 Dec. 19. ROBERTS, EDMUND ALYTH RHYNS... Hamilton Bridge Co.,  
 Hamilton, Ont.  
 1889 Feb. 14. ROSS, ALEXANDER BELL..... Room 213 Sheeley Block,  
 Omaha, Neb.
- 1887 Feb. 24. ROY, JOSEPH R..... 631 Sherbrooke St., Montreal.  
 1888 Feb. 9. S. } RUSSELL, THOMAS SIMERON... 20 Sussex Ave., Toronto.  
 1891 Jan. 29. A.M. }
- 1890 Feb. 27. SARGEANT, CHARLES DANIEL..... I. C. Ry., Barrington, N.S.  
 1891 April 9. SAUNDERS, BRUCE JOHNSTON..... Brockville, Ont.  
 1887 May 12. S. } SKAIFE, WILFRED T., B.A.Sc. 630 Sherbrooke St., Montreal.  
 1888 Feb. 9. A.M. }
- 1887 Dec. 1. SMITH, CECIL BRUNSWICK, B.A.Sc. Care of Roanoke & Southern  
 Ry., Rocky Mount, Va.  
 1887 June 25. SMITH, WM. HENRY CHATFERTON.. Geological Survey, Ottawa.  
 1889 May 23. STARR, DAVID A..... Royal Electric Co., Montreal.  
 1891 Nov. 19. STEELE, EDWARD CHARLES..... 15 Boswell Ave., Toronto.  
 1891 Nov. 19. STOESS, CHARLES ANTHONY..... New Westminster, B.C.  
 1890 April 10. SYMMES, CHARLES THOMAS..... Ingeniero 1° Jefe, Ferrocarril  
 de Talca a Constitucion,  
 Talca, Chili.
- 1891 Jan. 29. TESSIER, JOSEPH HOLLAND..... Acton Vale, P.Q.  
 1888 Mar. 22. THOMAS, ALFRED..... Room 792 Arcade Building,  
 Cleveland, Ohio.  
 1887 Jan. 20. THOMPSON, ROSS..... Port Arthur, Ont.  
 1889 Nov. 14. TOMS, LEWIS WILLIAM..... 122 King St., Montreal.  
 1891 April 9. TOUT, WILLIAM HILL..... City Engineer's Office,  
 Guelph, Ont.
- 1888 May 17. TRUE, ABBOT..... Waterville, Que.  
 1888 Feb. 9. S. } TYRRELL, HENRY GRATTAN.. Phoenix Iron Co.,  
 1889 Dec. 19. A.M. } Phoenixville, Pa.

- 1891 April 9. VAN BUSKIRK, WILLIAM FRASER ..Stratford Ont.  
1887 Jan. 20. VAN DER BRUG, EMILE.....Imperial Bldg., St. James St.,  
Montreal.  
  
1888 April 19. WALKER, ALFRED PAVERLEY .....Solicitor's Dept., C. P. Ry.,  
Toronto.  
1888 Feb. 9. WARREN, JAMES.....Kincardine, Ont.  
1891 April 9. WEBB, PERCY .....842 Notre Dame St., Montreal.  
1888 May 17. WHITED, WILLIS .....52 Chestnut Ave., Trenton, N.J.  
1887 Feb. 24. WILDE, JOHN A .....Sault Ste. Marie, Ont.  
1887 June 22 WOODS, JOSEPH EDWARD .....Aylmer, P.Q.

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### ASSOCIATES.

(A. Can. Soc. C. E.)

<i>Date of Membership.</i>	<i>Name.</i>	<i>Address.</i>
1887 Feb. 24.	ABBOTT, WILLIAM	55 St. Sulpice St., Montreal.
1887 April 28.	ARMSTRONG, JAMES F.	Campbellton, N.B.
1890 April 10.	BAKER, WALTER REGINALD.	Portage la Prairie, Man.
1889 Feb. 14.	BARR, MARSHALL D.	Toronto.
1891 April 9.	BELL, JOHN, Q.C.	Belleville, Ont.
1887 Jan. 20.	BELL, ROBT., B.A.Sc., M.D., LL.D.	Geological Survey, Ottawa.
1889 Feb. 14.	BOYD, <i>Hon.</i> J. A.	99 Bloor St. E., Toronto.
1889 Nov. 14.	BRAINERD, THOMAS C., M.D.	171 Drummond St., Montreal.
1887 April 14.	BROWN, THOMAS BRIGGS	14 Custom House Sq., Montreal.
1888 April 19.	BROWNE, WILLIAM ELLIS.	Digby, N.S.
1887 Jan. 20.	CHADWICK, FRANCIS	Privy Council Office, Ottawa.
1889 Jan. 3.	COOPER, JAMES	860 Sherbrooke St., Montreal.
1889 Jan. 3.	COWANS, JOHN R.	Cumberland Mines, N.S.
1889 Feb. 14.	COWANS, ROBERT	Montreal.
1890 Feb. 27.	CRAM, F. W.	St. John, N.B.
1891 May 21.	DAVIDSON, JOHN IRWIN	36 Yonge St., Toronto.
1889 Feb. 14.	DAVIS, MICHAEL P.	Ottawa.
1888 Mar. 22.	DAVIS, WILLIAM HENRY	Theodore St., Ottawa.
1890 Nov. 29.	DION, ALFRED ADOLPHE	Moreton, N.B.
1891 Jan. 29.	DORVAL, HENRY E. WILFRED.	Mont. & West. Ry., St. Jerome, Que.
1887 Feb. 3.	EADIE, GEORGE W.	155 Drummond St., Montreal.
1889 Dec. 19.	FARMAN, FREDERICK	287 Peel St., Montreal.
1890 Nov. 20.	FARLEY, RICHARD WILLIAM	Hull, P.Q.
1888 Mar. 22.	FERGUSON, JOHN, M.P.	Niagara Falls, Ont.
1891 April 9.	FISHER, ROSWELL	1018 Sherbrooke St., Montreal.
1889 Feb. 14.	FITZPATRICK, JOS. DEN A.	Joliette, P.Q.

- 1889 Dec. 19. FAITSHORE, ALEXANDER.....Box 125, Hamilton, Ont.  
 1889 Dec. 19. GALT, ALEXANDER F.....995 Sherbrooke St., Montreal.  
 1891 Nov. 18. GIBSON, WILLIAM, M.P.....Beamsville, Ont.  
 1891 April 9. GOULD, OVID M.....79 Mackay St., Montreal.  
 1889 Feb. 14. GREENSHIELDS, EDWARD B.....Victoria Square, Montreal.  
 1887 May 17. GRIFFIN, CHARLES GEORGE.....Ship Canal, Sault Ste. Marie,  
 Ont.
- 1889 Dec. 19. HENDRIE, WILLIAM.....Hamilton, Ont.  
 1889 Feb. 14. HICKSON, Sir JOSEPH.....G. T. Ry., Montreal.  
 1887 Feb. 3. A.M. }  
 1890 Feb. 27. A. } HOOPER, GEORGE R.....W. Dow & Co., Montreal.  
 1891 May 21. HOSKIN, JOHN.....The Hall, Toronto.  
 1891 May 21. HOWLAND, OLIVER ATKIN.....103 Bay St., Toronto.
- 1888 Mar. 22. ISBESTER, JAMES.....Ottawa, Ont.  
 1888 Mar. 22. IVES, HUBERT RORT.....200 University St., Montreal.
- 1887 Nov. 11. LAWSON, GEO., LL.D., F.R.S.C....Halifax, N.S.  
 1887 Jan. 20. LECKIE, R. G.....The Londonderry Iron Co.,  
 Londonderry, N.S.
- 1888 Dec. 6. McCABE, THOMAS.....Ottawa.  
 1891 Nov. 19. McFARLAND, JOS. WALTER.....Vancouver, B.C.  
 1888 April 19. McKENZIE, JOHN.....New Westminster, B.C.  
 1888 Feb. 9. McLENNAN, JOHN S., B.A.....Sydney, C.B.  
 1890 April 10. MacINNES, Hon. DONALD.....Ottawa.  
 1890 Feb. 27. MacLEAN, ALEXANDER.....Ottawa.  
 1889 Jan. 3. MOLSON, JOHN HENRY R.....Piedmont, Montreal.  
 1889 Feb. 14. MULLARKEY, JOHN P.....93 St. Peter St., Quebec.
- 1888 May 17. OSLER, BRITTON BATH, Q.C.....23 Toronto St., Toronto.
- 1887 Jan. 20. PECK, JAMES.....167 Durocher St., Montreal.  
 1888 Oct. 11. POLSON, FRANKLIN BATES.....Polson Iron Works, Toronto.  
 1888 May 17. PRICE, BRUCE.....150, 5th Avenue, New York.

*List of Associates of*

- 1890 Nov. 20. RATHBUN, EDWARD WILKES.....Deseronto, Ont.  
 1887 Jan. 20. REAVES, GEORGE R.....35 St. Francois Xavier Street,  
 Montreal.
- 1887 June 9. REID, ROBERT GILLESPIE.....Temple Building, St. James  
 St., Montreal.
- 1891 Jan. 29. REID, WILLIAM GILLESPIE.....30 St. John St., Montreal.  
 1890 Feb. 27. RESTIER, JEAN ZEPHERIN.....Imp. Building, St. James St.,  
 Montreal.
- 1887 Jan. 20. REYNOLDS, F. H.....Temple Building, St. James  
 St., Montreal.
- 1887 Jan. 20. RUELLE, JOSEPH.....New York Life Bldg, Place  
 d'Armes Sq., Montreal.
- 1890 Feb. 27. ROBERTSON, J. C.....St. John, N.B.  
 1888 May 17. RYAN, HUGH.....Toronto.
- 1890 April 10. SCOTT, J. PHILIP.....W. Dow & Co., Montreal.  
 1888 May 17. SHAGHNESSY, THOMAS G.....C. P. Ry., Montreal.  
 1890 Feb. 27. SHEARER, JAMES TRAILL.....Montreal.  
 1889 May 23. SMITH, Sir DONALD A, K.C.M.G...1157 Dorchester St., Montreal.  
 1888 Dec. 6. STARR, JOHN.....Halifax, N.S.  
 1890 May 22. STEIN, LOUIS FRS. LUDOVIC.....P. O. Box 1084, Quebec.  
 1889 Nov. 14. STEPHEN, Lord MOUNT.....140 Drummond St., Montreal.  
 1888 Mar. 22. SUTHERLAND, KENNETH.....Kentville, N.S.  
 1889 Feb. 14. SWINYARD, THOMAS M.....The Hall, Gilbertsville, N.Y.
- 1890 Feb. 27. TAIT, THOMAS.....C. P. Ry., Toronto.  
 1887 Jan. 20. TAYLOR, ANDREW T., F.R.I.B.A...St. Frs. Navier St., Montreal.  
 1889 Mar. 14. THIBAUDEAU, WILFRID.....New Westminster, B.C.  
 1889 Jan. 3. TOWNSEND, WALTER.....Standard Building, St. James  
 St., Montreal.
- 1887 May 12. TROTTER, WALLACE CUTHBERT.....St. Johns, P.Q.
- 1888 May 17. VAN HORNE, W. C.....C. P. Ry., Montreal.
- 1892 Jan. 28. WEDDELL, ROBERT.....Trenton, Ont.

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STUDENTS.

(Stud. Can. Soc. C. E.)

<i>Date of Membership.</i>	<i>Name.</i>	<i>Address.</i>
1887 Jan. 20.	ADDIE, G. K., B.A.Sc.	Sherbrooke, P.Q.
1891 Nov. 19.	ALMON, WM. BRUCE	King's College, Windsor, N.S.
1887 May 12.	ASTLEFF, JOHN HOLDEN, B.A.Sc.	43 St. Mark St., Montreal.
1887 Feb. 24.	APSEY, JOHN F.	313 E. North Ave. Baltimore, Ind.
1890 May 22.	ARCAND, O.	16 Sussex Place, Jersey City, N.J.
1888 May 17.	ARCHIBALD, C. H.	Oxford, N.S.
1887 June 25.	AUSTIN, A. F. B.	466 Guy St., Montreal.
1891 Oct. 8.	BEATTY, HERBERT JOHN.	Pembroke, Ont.
1887 Jan. 20.	BERTRAND, J. T.	Parry Sound Col. Ry. Dist. of Parry Sound, Emsdale, Ont.
1887 Feb. 24.	BOLTON, A. H.	22 Spadina Ave., Toronto.
1890 April 10.	BOWMAN, F. M.	Penn. Steel Co., Steelton, Penn.
1888 Dec. 6.	BICKERDIKE, R.	3500 N. Dame St., Montreal.
1887 Feb. 24.	BROWN, D. B.	Cornwall, Ont.
1887 Feb. 24.	BUCKE, M. A.	Asylum, London, Ont.
1888 Mar. 22.	CALVERT, S.	McGill University, Montreal.
1891 Nov. 19.	CAMPBELL, WM. FRANCIS.	33 South Front St., Wheeling, N. Va.
1888 June 27.	CAREY, A. B.	120 Robert St., Toronto.
1887 April 15.	CARMICHAEL, W. J.	C. P. Ry., Montreal.
1887 Feb. 24.	CHALMERS, W. J.	
1887 Jan. 20.	CHILDS, ARTHUR E., B.A.Sc.	P. O. Box 1957, Montreal.
1888 June 27.	CLARE, A.	G. T. R., Montreal.
1887 Feb. 24.	CLEMENT, W. A.	Niagara, Ont.
1887 Feb. 24.	Colquhoun, W. E.	
1889 Mar. 14.	COPELAND, L. B.	McGill University, Montreal.
1889 Dec. 19.	COSTIGAN, J. S.	McGill University, Montreal.
1888 Mar. 22.	COTLEE, C. R. F.	Coteau Landing, P.Q.
1888 Mar. 22.	COVERT, J. S.	Moncton, N.B.
1892 Jan. 28.	CREIGHTON, FRANK ALBRO.	Dartmouth Waterworks, Dartmouth, N.S.
1890 Nov. 20.	CUNNINGHAM, WM. NORTON	50 Plymouth Grove, Montreal.

*List of Students of*

- 1887 June 28. DAWSON, G. H., B.A.Sc. .... City Engineer's Office,  
Vancouver, B.C.
- 1889 Nov. 14. DAWSON, A. S. .... McGill University, Montreal.
- 1890 May 22. DEACON, T. R. .... School of Prac. Science,  
Toronto.
- 1888 Jan. 6. DENISON, W. S., B.A.Sc. .... Denison's Mills, P.Q.
- 1887 June 25. DIMOCK, A. H. .... N. E. Cor. Sutter & Weller Sts.,  
Seattle, Wash.
- 1891 April 9. DOMVILLE, JAMES WM. .... Rothesay, N.B.
- 1890 May 22. DOUGLAS, JAS. ATKINSON. .... 644 Craig St., Montreal.
- 1887 Jan. 20. DRUMMOND, A. L., B.A.Sc. .... 874 Sherbrooke St., Montreal.
- 1890 April 10. DUFF, J. A. .... Leslie Bros. Mfg. Co.,  
Paterson, N.Y.
- 1891 May 21. DUFF, WM. ARCHIBALD. .... 94 Union Av., Montreal.
- 1888 Dec. 6. ELLACOTT, C. H., B.A.Sc. .... Care of T. S. Gore, 14 Bastien  
St., Victoria, B.C.
- 1889 Dec. 19. FAIRMAN F. W. .... Temple Bldg., St. James St.,  
Montreal.
- 1887 Feb. 24. FAWELL, J. H. .... 1 Queen St. East, Toronto.
- 1887 Nov. 4. FELLOWES, F. L. .... Cor. Keele & Dundas Sts.,  
Toronto Junction, Ont.
- 1887 June 9. FITZGERALD, J. .... Peterborough, Ont.
- 1887 Feb. 24. FORBES, C. W. .... Peterborough, Ont.
- 1887 Jan. 27. FORNERET, V. F. W. .... Berthier, P.Q.
- 1891 May 21. GLAENZER, HERMANN. .... 16 University St., Montreal.
- 1887 Feb. 24. GIBBONS, JAMES. .... Renfrew, Ont.
- 1888 May 23. GOODWIN, E. P. .... Baie Verte, N.B.
- 1891 April 9. GRANTHAM, ARTHUR MYLES. .... 58 St. George St., Toronto.
- 1887 Feb. 24. HANNING, G. F. .... 135 Bloor St., Toronto.
- 1888 Mar. 22. HATT, W. K., B.A. .... University of New Brunswick,  
Fredericton, N.B.
- 1887 Feb. 24. HAUFMAN, H. E. T. .... Anglo-American Club, Frei-  
berg in Sachsen, Germany.
- 1888 Dec. 6. HAWKINS, A. H., B.A.Sc. .... Box 404, Vancouver, B.C.
- 1888 Mar. 22. HEATHCOTE, W. C. P. .... Canadian Edison Mfg. Co.,  
Sherbrooke P.Q.



- 1887 June 25. HENDERSON, E. E ..... Sorel, P.Q.  
 1887 April 14. HUNTER, R. E ..... Sorel, P.Q.  
 1888 Mar. 22. HUNESMAN, B. A. L. .... Haworth Vicarage, Tickhill,  
 Rotherham, England.  
 1891 Oct. 8. HUTCHESN, JAMES ..... Nassagawega P.O.,  
 Halton Co., Ont.
- 1887 Feb. 24. IRVINE, JOHN ..... Harriston, Ont.
- 1887 June 25. JENNISON, W. F. .... Acadia Mines,  
 Londonderry, N.S.  
 1891 Nov. 19. JONES, HENRY AUGUSTES ..... King's Coll., Windsor, N.S.
- 1888 Mar. 22. KERRY, J. G. G., B.A.Sc. .... 85 City Councillor St.,  
 Montreal.  
 1890 Nov. 20. KINGSTON, CHAS. BURBARD, B.A. .... McGill University, Montreal.  
 1891 Nov. 19. KINNEAR, GUY SPANHOPE ..... 64 East 11th St.,  
 New York City, N.Y.  
 1890 Nov. 20. KIPPEN, HORACE BRUCE ..... Lennoxville, Que.
- 1889 Feb. 14. LAFONTAINE, EMERY ..... 23 St. Denis St., Cote St. Louis,  
 Montreal.  
 1889 Dec. 19. LAMBERT, F. .... McGill University, Montreal.  
 1890 May 22. LANE, ANDREW ..... Box 230 Toronto Junction, Ont.  
 1887 Jan. 20. LEA, R. S., B.A.Sc. .... Engineer's Office, Board of  
 Pub. Works, Austin, Texas.  
 1887 Feb. 24. LEASK, JOHN L. .... 71 Crawford St., Toronto.  
 1890 April 10. LEBEVRE, J. H. .... 30 St. Elizabeth St., Montreal.  
 1887 Sept. 17. LEWIN, H. O. S. .... 237 McLaren St., Ottawa.  
 1887 Feb. 24. LOIGSON, A. .... 24 St. Augustin St., Montreal.  
 1887 Feb. 24. LOIGSON, E. .... 24 St. Augustin St., Montreal.  
 1890 April 10. LORDLY, H. R. .... Cornell Univ., Ithaca, N.Y.  
 1887 Feb. 24. LOTT, A. E. .... Yuma, A.T., U.S.A.  
 1887 June 25. *Lough, William H.* .....  
 1887 Dec. 4. LOVELACE, EDGAR S. M., B.A.Sc. .... G. T. Ry., Montreal.
- 1888 Dec. 6. MCCRAE, G. E. .... Brockville, Ont.  
 1888 Feb. 9. McDONALD, JOHN K. .... Asst. Engineer, Winding  
 Ledges, Madwaska Co., N.B.

*List of Students of*

- 1887 Jan. 20. McFARLANE, M. C., B.A.Sc. .... Almonte, Ont.  
 1887 Feb. 24. McFARLEN, G. W. .... 10 St. Vincent St., Toronto.  
 1887 April 28. MCGREGOR, J. H. .... Care, T. S. Gore, 14 Bastien  
 St., Victoria, B.C.  
 1890 Nov. 20. MCGREGOR, J. MURRAY, B.A. .... McGill University, Montreal.  
 1887 Jan. 20. MCKENZIE, C. P. .... Snohomish, Wash.  
 1887 Jan. 20. McLENNAN, M. J., B.A.Sc. .... Williamstown, Ont.  
 1890 May 22. McLEOD, T. .... McGill University, Montreal.  
 1889 Mar. 14. McTAGGART, N. B. .... 76 Redpath St., Montreal.
- 1887 Feb. 24. MARANI, C. J. .... School of Prac. Science,  
 Toronto.  
 1887 Feb. 24. MATHER, C. D. .... Care of J. A. Mather, Kincardine,  
 Co. of Bruce, Ont.  
 1887 Dec. 1. MATTICE, E. S., B.A.Sc. .... Cornwall, Ont.  
 1889 Jan. 3. MAY, JOHN E. .... Queen's Park, Toronto.  
 1887 Feb. 24. MICKLE, G. .... Cornell Univ., Ithaca, N.Y.  
 1888 Jan. 6. MIDDLETON, P. H. .... Brockville, Ont.  
 1887 Feb. 24. MILL, F. H. .... New Glasgow, N.S.  
 1889 Mar. 14. MITCHELL, GEO. .... Care of Consolidation Coal Co.,  
 Frostburg, Md.  
 1887 Jan. 20. MOONEY, G. W., B.A.Sc. .... 269 University St., Montreal.  
 1891 Jan. 29. MOORE, JAS. EDWIN ALEX. .... Islington, Ont.  
 1888 Mar. 22. MORROW, H. A. .... Peterborough, Ont.  
 1889 Feb. 14. MURPHY, CORNELIUS JOS. .... Halifax, N.S.  
 1889 Dec. 19. MURPHY, D. A. .... McGill University, Montreal.  
 1889 Mar. 14. MURPHY, P. J. .... McGill University, Montreal.  
 1887 Feb. 24. MURRAY, R. W. .... Rossmore, Ont.
- 1887 April 14. NAISMITH, P. L., B.A.Sc. .... Ogden, Utah, U.S.A.  
 1891 Oct. 8. NEWMAN, WILLIAM .... Leamington, Ont.
- 1887 April 14. OGILVY, R. F. .... 1144 Dorchester St., Montreal.
- 1888 Oct. 11. PARSONS, C. .... Springhill Mines, N.S.  
 1888 Feb. 9. PEARSE, T. E. E. .... Peterborough, Ont.  
 1890 April 10. PEDDER, J. R. .... Doon, Ont.  
 1887 Feb. 24. PETERSON, C. E. .... Hawkesville, Ont.  
 1887 Feb. 24. PINKEY, C. H. .... Coteau Landing, P.Q.  
 1887 June 25. PRAT, R. .... Kentville, N.S.

- 1887 April 28. RAMSAY, H. M. .... Cote St. Antoine, Montreal.  
 1890 May 22. RANSSES, J. F. .... McGill University, Montreal.  
 1887 Jan. 20. REDDARD, P. W., B.A.Sc. .... 1065 Sherbrooke St., Montreal.  
 1887 Jan. 20. REED, C. B., B.A.Sc. .... 430 Lake Ave., Chicago, Ill.  
 1887 June 25. REID, W. M., B.A.Sc. .... 478 Gay Street, Montreal.  
 1889 Jan. 3. REXFORD, ORMS, B.A.Sc. .... Normal School, Montreal.  
 1887 Feb. 24. RICHARDSON, G. H. .... 36 St. Joseph St., Toronto.  
 1887 Jan. 20. RICHIE, R., B.A.Sc. .... St. Stanislas de Batisseau, P.Q.  
 1887 Sept. 17. ROBERTS, V. M. .... 59 Adelaide St., Toronto.  
 1891 Nov. 19. ROSE, GEO. GILBERTSLEIGH. .... Morrisburgh, Ont.  
 1887 Feb. 24. ROSE, K. .... Cuicatlan, Estado de Oaxaco,  
 Mexico.  
 1885 April 19. ROSS, D. A. .... Mount Forest, Ont.  
 1888 Jan. 6. RUSSELL, H. Y. .... 269 Bishop Street, Montreal.  
 1888 Feb. 9. RUSSELL, W. .... Penbrooke, Ont.  
 1889 Mar. 14. RUTHERFORD, F. .... McGill University, Montreal.  
 1890 May 20. RYAN, A. J. .... Rouses Point, N.Y.  
 1888 Mar. 22. SCHWITZER, J. E., B.A. Sc. .... 186 Rideau St., Ottawa.  
 1891 Jan. 29. SHERRARD, ROBE. LEONARD. .... Halifax, N.S.  
 1887 Feb. 24. SHILLINGLAW, W. H. .... Box 182, Brandon, Man.  
 1891 Oct. 8. SILVESTER, GEO. ERNEST. .... Box G, Sudbury, Ont.  
 1890 Nov. 20. SMART, JOHN ALDER. .... Care of Judge Smart, Hamil-  
 ton, Ont.  
 1889 Feb. 14. SMART, W. C. G. .... McGill University, Montreal.  
 1888 Feb. 9. SMITH, G. S. .... Petiteodiac, N.B.  
 1888 June 27. SPENCE, A. W. .... Sault Ste. Marie, Ont.  
 1889 Nov. 20. STEVENSON, JAMES ALBERT. .... McGill University, Montreal.  
 1890 Feb. 27. STEVENS, A. J. .... I. C. Ry., Moncton, N.B.  
 1888 Mar. 22. STONE, E. A. .... 41 Fort St., Montreal.  
 1892 Jan. 28. STREET, LEONARD LEE. .... McGill University, Montreal.  
 1887 Dec. 1. STRONG, A. W., B.A.Sc. .... University of New Brunswick,  
 Fredericton, N.B.  
 1888 Mar. 22. STURM, H. B. .... McGill University, Montreal.  
 1887 Jan. 20. TAYLOR, D., B.A.Sc. .... 712 Lumber Exchange, Min-  
 neapolis, Minn.  
 1888 April 19. TAYLOR, J. J. .... Picton, N.S.  
 1888 Feb. 9. THOMSON, W. C. .... Care King Bridge Co.,  
 Cleveland, Ohio.  
 1888 Oct. 11. THOMSON, E. B. .... 49 Murray St. W., Hamilton,  
 Ont.  
 1891 Oct. 8. THOMSON, ROBE. WALKER. .... 13 Breadalbane St., Toronto,  
 Ont.  
 1890 Nov. 20. TIGHE, JAMES. .... McGill University, Montreal.

- 1889 Mar. 11. TOWNSEND, W. S. .... Tamagouche, N.S.  
 1887 Jan. 20. TREMBLAY, A. J. .... St. Roch des Aulnets, P.Q.  
 1889 Jan. 3. TREMBLAY, THOMAS. .... Continental Hotel, Sherbrooke  
 P.Q.  
 1887 Jan. 20. TUPES, J. P., B.A.Sc. .... 74 Cortland St., New York.
- 1890 Nov. 20. WAINWRIGHT, JAS. GEORGE R. .... McGill University, Montreal.  
 1891 Nov. 19. WALLACE, JOHN WM. MARTIN. .... 73 Bloury St., Montreal.  
 1889 Mar. 11. WARREN, W. H. .... McGill University, Montreal.  
 1887 Jan. 20. WHITE, F. W. .... Militia Dept., Ottawa.  
 1891 Nov. 19. WHITMAN, LOUIS. .... King's College, Windsor, N.S.  
 1887 Feb. 24. WICKETT, T. .... Belleville, Ont.  
 1890 April 10. WIGGESS, T. H. .... Napawee, Ont.  
 1887 Feb. 24. WILLIAMS, M. .... Montreal.  
 1888 April 19. WINGHAM, T. H. .... 13 Mount St. Mary Avenue,  
 Montreal.

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