

# **ARCHIVED RECORDS** **1983 - 2000** **ASHRAE NB/PEI CHAPTER**

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Please mail original to Headquarters, green copy to Reg. Chrm as soon as possible with as much information as currently available. Pink copy for chapter files, Hdqrs & Reg. Chrm to be advised of any and all changes. The addresses given on the Questionnaire are used by Headquarters for matters of chapter business only for the entire fiscal year, and are separate from Journal, Handbook, and miscellaneous mailings. Please notify us promptly of Questionnaire changes.



## ASHRAE CHAPTER INFORMATION QUESTIONNAIRE

(CHAPTER OFFICERS MUST BE SOCIETY MEMBERS)

CHAPTER New Brunswick REGION II FISCAL YEAR 1983-1984

CHAPTER OFFICERS (Do not use nicknames)  
(Include area code when listing phone numbers.)

### PRESIDENT

Name Jean-Guy Bernard, P. Eng.

Address 108 Avalon Street

Dieppe, New Brunswick E1A 1J9

Business Phone (506) 758-9044

### PRESIDENT-ELECT

Name Gary Blue

Address 1074 Frampton Lane

Moncton, New Brunswick

Business Phone (506) 382-8880 384-4933 home

### VICE PRESIDENT - Eliminated

Name ---

Address ---

Business Phone ---

### SECRETARY

Name Robin Craig

Address 91 Birchwood Crescent

Moncton, New Brunswick

Business Phone (506) 855-5890

### TREASURER

Name Stephen Tweedie, P. Eng.

Address 55 Waterfall Drive

Riverview, New Brunswick

Business Phone (506) 854-5536 386-5307

### OTHER

Name ---

Address ---

Business Phone ---

### CHAPTERS REGIONAL COMMITTEE REPRESENTATIVES

#### DELEGATE

Name Gary Blue

Address 1074 Frampton Lane

Moncton, New Brunswick

Business Phone (506) 382-8880

#### ALTERNATE

Name Robin Craig

Address 91 Birchwood Crescent

Moncton, New Brunswick

Business Phone (506) 855-5890

HEADQUARTERS ADDRESS: ASHRAE, 1791 TULLIE CIRCLE, N.E., ATLANTA, GA. 30329

## CHAPTER BOARD OF GOVERNORS

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Name Gilbert Arsenau Name Irwin MacDonald  
 Address 45 Inverness Cres. Address 169 Pacific Street  
Riverview, N. B. Moncton, N. B.  
 Business Phone (506) 389-1708 Business Phone (506) 855-0941

Name Graham MacCormick Name Kevin Wynn  
 Address 90 Parkdale Drive Address 110 Marcombe Drive  
Moncton, New Brunswick Riverview, N. B.  
 Business Phone (506) 854-5536 Business Phone (506) 389-2641

Please list the following key Chapter Chairmen for use by Headquarters and your Regional Chairmen, and submit new information promptly if names, etc. are changed.

Membership Comm. Chrmn Gerald Forsythe  
 Address & Business Phone 293 Randall Drive, Riverview, N. B. Tel. (506) 386-8625

Education Comm. Chrmn Robert Thibault, MCC Powers  
 Address & Business Phone 1 Erites Road, Riverview, N. B. Tel. (506) 386-2475

Research Promotion Comm. Chrmn Dave Potter, W. H. Crandall & Associates Ltd.  
 Address & Business Phone 1077 St. George Blvd., Moncton, N. B. Tel. (506) 854-0080

Energy Management Comm. Chrmn Gary Hoadley, Enerplan Consultants Ltd.  
 Address & Business Phone 86 Botsford St., Moncton, N. B. Tel. (506) 854-5536

gram Comm. Chrmn Graham MacCormick  
 Address & Business Phone 90 Parkdale Drive, Moncton, N. B. Tel. (506) 854-5536

MEETING DATES FOR THE 1983-1984 FISCAL YEAR  
 (For publication in the ASHRAE JOURNAL)

July _____	Oct. <u>11, 1983</u>	Jan. <u>10, 1984</u>	Apr. <u>10, 1984</u>
Aug. _____	Nov. <u>1, 1983</u>	Feb. <u>14, 1984</u>	May <u>8, 1984</u>
Sept. _____	Dec. <u>13, 1983</u>	Mar. <u>13, 1984</u>	June _____

Regular Meeting Location Cy's Seafood Restaurant, Moncton, N. B.

Please list below following members who have special chapter functions.

- Chapter Historian Brian Hildreth
- CRC Action Committee Chairman Gary Blue
- Publicity Chairman \_\_\_\_\_

Does Chapter charge dues? YES X NO \_\_\_\_\_ AMOUNT \$30.00

Is there a prepaid meal plan? No. - Paid before meal and meeting What is the charge? \$15.00

me of Chapter Publication Herring Checker

Editor's Name Gary Hoadley

Address 86 Botsford St., Moncton, New Brunswick Zip \_\_\_\_\_

Is your chapter legally incorporated? No. Year of Incorporated \_\_\_\_\_



# AMERICAN SOCIETY OF HEATING, REFRIGERATING AND AIR-CONDITIONING ENGINEERS, INC.

ASHRAE / 1791 Tullie Circle, N.E. / Atlanta, GA 30329

Telephone / 404-636-8400

**Doris Flandorffer**

Assistant to the  
Executive Vice President

May 18, 1983

Mr. Gerry Forythe  
293 Randall Drive  
Riverview, N.B., Canada  
E1B 2V1

Subject: New Brunswick Chapter Constitution & Bylaws

Dear Mr. Forythe:

The bylaws which we have on file for your chapter were prepared at the time the New Brunswick Chapter was chartered in 1971. The finalized version which we have on file is neither dated nor signed. The Charter and Bylaws Committee is now working with a chapter constitution and bylaws prepared by legal counsel, which have been updated and revised in accordance with current Society operations.

A new constitution and bylaws have been prepared for your chapter based on the information in your current bylaws. This is in accordance with the Charter & Bylaws Committee program to update the bylaws of all chapters whose bylaws are more than 5 years old.

Please review these documents with your Board of Governors. If they are satisfactory as written, have your Board of Governors vote to adopt them. If they are not correct as written or if your chapter wishes to change anything, please indicate the change and return them to me, and we will redo them.

When they are correct, your Board of Governors should vote to adopt them, they should then be signed and dated by the chapter President and returned to headquarters for the addition of the Society approval date. I will then return several copies to you for the use of the chapter, retaining the original in headquarters' files.

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Mr. Gerry Forythe  
page two  
May 18, 1983

If your chapter does not wish to adopt these new Bylaws, I would appreciate receiving information to this effect.

Very truly yours,

*Doris Alandoff*  
Staff Liaison  
Charter & Bylaws

DF/jr  
Enclosures

cc: Mr. W. Lloyd Algie  
Charter & Bylaws Committee

P.S. We note that you do not have a President-Elect listed on your Chapter Information Questionnaire Form. Perhaps you would care to designate your Vice President as the President-Elect.

*Sent this out on October 26, 1983 signed and dated along with amendments which were to eliminate the position of Vice President.*  
*J.B. Bernard*  
*Oct 26, 1983*

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P.O. Box 1413  
Moncton, New Brunswick, Canada

October 26, 1983

ASHRAE INC.  
1791 Tullie Circle N.E.  
Atlanta GA 30329

Attention: Doris Flandorffer  
Assistant to the Executive  
Vice President

Dear Miss Flandorffer:

Please find enclosed one copy of the Bylaws of the New Brunswick Chapter of the American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc.

The Bylaws were amended to reflect the situation as it exists in 1983, signed by myself and dated.

Should you have any questions regarding these, please do not hesitate in contacting me at the above-mentioned address or by telephone at (506) 758-9044, local 245.

Yours truly,



Jean-Guy Bernard, P. Eng.  
President, New Brunswick Chapter  
Region II

Encl.

Sent out by Oct 26, 1983

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CONSTITUTION  
OF THE  
NEW BRUNSWICK CHAPTER  
AMERICAN SOCIETY OF HEATING, REFRIGERATING AND  
AIR-CONDITIONING ENGINEERS, INC.

Approved by the Society December 27, 1983

ARTICLE I - NAME

The name of the organization is the New Brunswick Chapter (herein "Chapter") of the American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc. (herein "Society").

ARTICLE II - PRINCIPLE OFFICE

The principle office of the Chapter is located in the City of Moncton, in the Province of New Brunswick.

ARTICLE III - OBJECTS

The objects of the Chapter are exclusively scientific and educational and include, but are not limited to: (I) the advancement of the sciences of heating, refrigerating and air-conditioning engineering and related sciences; (II) the continuing education of the members and other interested persons in said sciences, through lectures, demonstrations, and publications; (III) the rendition of career guidance and financial assistance to students of the sciences; and (IV) the encouragement of scientific research.

ARTICLE IV - POWERS

The Chapter shall have the power to perform all lawful acts which may be deemed necessary for the proper and successful prosecution of the objects and purposes for which it is organized and operated, consistent with the Certificate of Consolidation, Bylaws, and Rules of the Board of Directors of the Society, and with the provisions of Section 149 (1) of the Canadian Income Tax Act of 1971, as amended, or corresponding provisions of any subsequent federal tax laws.

## ARTICLE V - LIMITATION OF POWERS

5.1 The Chapter is not operated for the pecuniary profit of its members; no part of the net income of the Chapter shall be payable to or shall otherwise be available for the personal benefit of any proprietor, employee or shareholder; no salary emolument or compensation shall be paid to any member and no part of the activities of the Chapter shall consist of the performance of particular services for individual members.

5.2 The Chapter shall not have the authority to act for or in the name of the Society and notice to such effect shall be imprinted on the Chapter stationery; the Chapter shall not use the name of the Society except as a part of its own name; the Chapter shall not use the emblem of the Society without the written approval of the Board of Directors of the Society; and the Chapter shall not incur any financial liability or contractual obligation in the name of the Society.

5.3 The Chapter shall not issue publications for distribution to persons other than members without prior approval of the Board of Directors of the Society.

5.4 The Chapter shall not contribute to, affiliate with, or hold membership in any society, association, council, or other organization without prior approval of the Board of Directors of the Society.

5.5 The Chapter shall not recommend, endorse or approve any product, service, publication, person or entity for the promotion of private interests.

## ARTICLE VI - DISSOLUTION

6.1 Upon the dissolution of the Chapter, any assets remaining thereafter shall be conveyed to the Society.

6.2 In the event that the Society is not then in existence or is not then exempt under Section 149 (1) of the Canadian Income Tax Act of 1971, as amended, or under such successor provision of the Act as may be in effect at such time, the assets shall be conveyed to such organization then existent, dedicated to the perpetuation of objectives similar to those of the Society and exempt.

## ARTICLE VII - AMENDMENTS

7.1 All articles of this Constitution shall be subject to alteration or repeal, consistent with the Certificate of Consolidation, Bylaws, Rules of the Board of Directors of the Society, and Section 149 (1) of the Canadian Income Tax Act of 1971, as amended, or corresponding provisions of any subsequent federal tax laws.

7.2 Amendments to this Constitution, set forth in written directives of the Secretary of the Society, may be adopted by a majority of the Board of Governors. Written copies of said amendments shall be sent by the Secretary to all members, or an officer of the Chapter shall read said amendments at the next succeeding meeting.

7.3 Amendments to this Constitution may also be initiated by a written resolution of a majority of the Board of Governors or of not less than five (5) members in good standing with voting privileges, presented at any meeting of the Chapter. If approved by a majority of the members present, the Secretary shall mail copies of the proposed amendments to all members not less than seven (7) days before the next succeeding meeting. If approved by a two-thirds (2/3) vote at such meeting, the Secretary shall forward such amendments to the Secretary of the Society for approval by the Charter & Bylaws Committee of the Society and review by the Regional Chairman. Amendments shall become effective only upon receipt of written notice of approval by the Charter & Bylaws Committee of the Society.

## ARTICLE VIII - ADOPTION

This Constitution shall be completed and adopted by a majority of the Board of Governors. Written copies of the Constitution shall be sent by the Secretary to all members and shall be sent, as amended, to such persons as shall, from time to time, become members of the Chapter.

Adopted by the New Brunswick Chapter

December 4, 1983  
Date

Jean Guy Bernard, President  
Signature

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BYLAWS OF THE  
NEW BRUNSWICK CHAPTER  
OF THE  
AMERICAN SOCIETY OF HEATING, REFRIGERATING  
AND AIR-CONDITIONING ENGINEERS, INC.

APPROVED BY THE SOCIETY

ARTICLE I - GOVERNMENT

1.1 Governing Instruments. The New Brunswick Chapter (herein "Chapter") of the American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc. (herein "Society") shall be governed by its Constitution and these Bylaws, to the extent not inconsistent with the Certificate of Consolidation, Bylaws, and Rules of the Board of Directors in the Society.

1.2 Interpretation. The Board of Governors shall resolve all questions of interpretation of the Constitution and these Bylaws.

1.3 Rules of Order. Except as otherwise provided in the Constitution or these Bylaws, the conduct of meetings of the members shall be governed by the rules of procedure set forth in "Robert's Rules of Order," as revised.

ARTICLE II - MEMBERSHIP

2.1 Qualification. The membership of the Chapter shall consist of all members of the Society in good standing and residing in the geographic area of the Chapter, as prescribed by the Board of Directors of the Society.

2.2 Non-Residents. Notwithstanding the foregoing, a member of the Society residing in the geographic area of a Chapter may elect to be a member of another Chapter. A member may elect to belong to more than one Chapter.

2.3 Grade. Each member shall hold the same grade of membership in the Chapter as he holds in the Society.

2.4 Rights and Privileges. All Chapter members shall be entitled to the same rights and privileges, except that (i) Affiliates, (ii) Student Members, and (iii) members who have not paid Chapter fees, dues, assessments or other charges within sixty (60) days of their due date shall not be entitled to voting privileges or the right to election or appointment as an officer, governor, or committee chairman of the Chapter. All rights and privileges of a member are vested solely in the member and may not be delegated or transferred, except as provided in ARTICLE III, paragraph 3.7 hereof.

2.5 Suspension. In the event that a member does not pay all the Chapter fees, dues, assessments or other charges within six (6) months of their due date, all rights and privileges of membership in the Chapter shall be suspended. Such membership rights and privileges shall be restored to the member upon full payment thereof. Delinquency in payment of Chapter dues or other Chapter charges will not affect a member's standing in the Society.

2.6 Termination. Membership in the Chapter shall terminate upon the death of any member, the removal of a member's principal place of residence to the geographic area of another Chapter except as provided in ARTICLE II, paragraph 2.2 hereof, or the receipt of written notice by the member of termination of membership. In the event of such termination, neither the former member, nor his personal representatives, heirs or devisees shall have any right, title or interest in the Chapter or its assets.

2.7 Expulsion. A member may be expelled from the Society and the Chapter only upon action taken by the Board of Directors of the Society. Such action may be initiated by the Board of Governors of the Chapter by the filing of written charges and supporting evidence with the Secretary of the Society.

### ARTICLE III - MEETINGS OF MEMBERS

3.1 Regular Meetings. Meetings of the Chapter shall be held on at least a monthly basis from September through June at such time and place as is prescribed by the Board of Governors.

3.2 Annual Meeting. The annual meeting of the chapter for the installation of officers and the Board of Governors and the announcement of committee appointments shall be held in the month of May at such time and place as is prescribed by the Board of Governors.

3.3 Special Meetings. Special meetings of the Chapter may be called by the President at his discretion, or at the request of the Board of Governors or 15 percent of the members with voting rights.

3.4 Notice of Meetings. Timely written notice of all meetings shall be sent by the Secretary to all members setting forth the place, date and hour of the meeting and, in the case of a special meeting, the purpose thereof.

3.5 Quorum. A quorum for the transaction of business at a meeting of the Chapter shall consist of 15 percent of the members having voting rights, except that no business may be transacted unless a majority of the Board of Governors is also in attendance.

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3.6 Majority Vote. A majority of the number of votes cast in person or by proxy shall be necessary for the adoption of any matter, except as otherwise provided in the Constitution or these Bylaws.

3.7 Proxies. A member may vote on any matter by a written proxy executed and dated by him. No proxy shall be valid after ninety (90) days from the date of its execution, unless otherwise provided in the proxy.

#### ARTICLE IV - DUES AND FINANCE

4.1 Society Dues. The annual dues for membership in the Society, as prescribed from time to time by the Society, shall be paid to the Society.

4.2 Chapter Dues. The Board of Governors, in its discretion and subject to the approval by a vote of members, may levy such dues, fees, charges or other assessments as are reasonable and necessary to meet the current operating expenses of the Chapter. The due date of such payments shall be as prescribed by the Board of Governors.

4.3 Fiscal Year. The fiscal year of the Chapter shall end on June 30th of each year.

#### ARTICLE V - BOARD OF GOVERNORS

5.1 Duties. The property and affairs of the Chapter shall be managed by the Board of Governors. The Board of Governors may execute all business of the Chapter that does not require action by the full membership of the Chapter. The presiding officer shall report briefly on these actions at the next Chapter meeting.

5.2 Composition. The Board of Governors of the Chapter shall consist of the officers, the most recent past president, and three (3) members elected pursuant to Article VII hereof.

5.3 Meetings. The time and place of regular meetings of the Board of Governors shall be at the discretion of the Board. A special meeting of the Board of Governors may be called by the President, at his discretion, or at the written request of two (2) members of the Board.

5.4 Quorum and Majority Vote. A quorum for the transaction of business shall consist of a majority of the Board present in person, and the majority vote of the members present in person or by proxy shall be necessary for the adoption of any matter, except as otherwise provided in the Constitution or these Bylaws. The form of proxies shall be governed by ARTICLE III, paragraph 3.7 hereof.

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5.5 Notice of Meetings. Timely written notice of all meetings shall be sent by the Secretary to all members setting forth the place, date and hour of the meeting and, in the case of a special meeting, the purpose thereof.

5.6 Appointments. The Board of Governors-elect shall appoint members of the Auditing Committee, pursuant to paragraph 8.3.6 hereof, at a special meeting of the Board of Governors-elect held prior to the annual meeting of the Chapter. Appointments shall be announced at such annual meeting.

#### ARTICLE VI - OFFICERS

6.1 Titles. The officers of the Chapter shall be a President, a President-Elect, a Vice President, a Secretary, and a Treasurer.

6.2 Multiple Offices. With the exception of the office of President, any number of offices may be held by the same member.

6.3 The President. The President shall be the chief executive officer of the Chapter and shall have general direction of the affairs of the Chapter and general supervision over its several officers, subject however, to the control of the Board of Governors. He shall, from time to time, report to the members and to the Board, all matters within his knowledge which the interest of the Chapter may require to be brought to the Chapter's notice; shall preside at all meetings of the members and at all meetings of the Board; shall sign and execute in the name of the Chapter all contracts, or other instruments authorized by the Board, except in cases where the signing and execution thereof shall be expressly delegated or permitted by the Board or by these Bylaws to some other officer or agent of the Chapter.

6.4 The President-Elect. The President-Elect shall automatically succeed to the office of the President at the conclusion of the President's term of office. In the absence of the President, the President-Elect shall exercise the powers and perform the duties of the President. In addition, the President-Elect shall make his committee chairman appointments sufficiently far in advance of the Chapters Regional Conference as to permit attendance by his appointees at CRC workshops in the period prior to appointee's active participation as chairmen of the Chapter Committees. Chairmen designees of such committees as Education, Energy Management, Membership, and Research Promotion should be especially encouraged to attend CRC meetings. Prior to the annual meeting, the President-Elect shall complete his appointments by naming at least two (2) committee members to each of the standing committees of the Chapter.

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If the President dies, resigns, or is removed from office, the President-Elect shall immediately become President and shall serve for the remainder of the term of his immediate predecessor. If the time served by the President-Elect as President is less than six months, he shall continue to serve as President for the next Society year. If the President-Elect dies, resigns, is removed from office, or becomes President in accordance with the foregoing provisions, the office of President-Elect shall remain vacant until the next annual Chapter elections.

6.5 The Vice President. In the absence of the President and the President-Elect, the Vice President shall exercise the powers and perform the duties of the President.

6.6 The Secretary. The Secretary shall send notices of meetings to the members and to the Board of Governors as prescribed in these Bylaws, and to Committee Chairmen as requested by the President. He shall keep the minutes of the meetings of the chapter and of the Board of Governors and shall promptly file a copy of the minutes of each meeting of the chapter with the Secretary of the Society, the Editor of the Society Journal, and the Regional Chairman. He shall send advance notices and minutes of meetings of the Board of Governors to the Regional Chairman. He shall maintain a membership roster, a roll of membership attendance, and such books, papers, and records as the Chapter or Board of Governors may direct, which shall be open to the inspection of any member of the Board of Governors. He shall promptly notify members of their nomination, election, or appointment to office.

6.7 The Treasurer. The Treasurer shall receive all funds, including dues, fees, charges, and other assessments and shall deposit such funds in the name of the Chapter in banks or other depositories. He shall disburse funds only as authorized by the Chapter's Board of Governors and shall keep appropriate records of receipts and expenses and shall exhibit such records at all reasonable times to any member of the Board of Governors. The Treasurer shall make a full financial report at the annual meeting of the Chapter, a copy of which shall be forwarded to the Regional Chairman. In addition, in the absence of contrary written instructions from the Society, the Treasurer shall complete, execute and file any statements or returns incidental to federal or local taxation.

6.8 Additional Duties. All officers shall perform all duties incident to their respective offices and such other duties as are prescribed by these Bylaws or as are assigned by the Board of Governors.

ARTICLE VII - NOMINATIONS, ELECTIONS,  
VACANCIES, AND REMOVAL

7.1 Eligibility for Re-election. The President shall not be eligible to serve in the same office and the President-Elect shall not be eligible for re-election to the same office for an additional consecutive year.

7.2 Duties of Nominating Committee. The Nominating Committee shall select from the members eligible to hold office one candidate for each office except President, and for each member to be elected to the Board of Governors and shall obtain in writing from each candidate a written statement that he is a member in good standing in the Society and consents to stand for election. Not less than thirty (30) days before the March meeting the Nominating Committee shall present to the Secretary the names of the candidates selected, together with their statements.

7.3 Duties of Secretary. Upon receipt of these names from the Nominating Committee, the Secretary shall prepare a list of the candidates and shall forward such list to all members with voting rights at least ten (10) days prior to such meeting.

7.4 Nomination by Members. Additional nominations of members in good standing who consent orally or in writing to be candidates, may be made from the floor at such meeting. If at this meeting more than one such nomination from the floor is made for any one office or membership on the Board of Governors, a vote shall be taken to select the name of the opposition candidate to be placed on the ballot.

7.5 Voting and Election. Not less than ten (10) days prior to the next meeting, the Secretary shall send a mail ballot, in the case of elections by mail, or a proxy statement, in the case of elections at meetings, to all members with voting rights. In the case of elections at meetings, the President shall appoint three (3) tellers to assist in conducting the election. The Board of Governors or the tellers, if any, shall promptly tally all votes. The candidate receiving a majority of the votes cast for each respective office shall be declared elected. If there is a tie vote, there shall be a run-off election.

7.6 Installation. Officers and members of the Board of Governors shall be installed and shall assume their duties at the annual meeting of the Chapter, as prescribed in ARTICLE III, paragraph 3.2 hereof, to serve until their successors are installed.

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7.7 Vacancies. Whenever there shall be a vacancy in any office or on the Board of Governors by resignation or otherwise, the Board of Governors shall have the power to fill such office until the next annual election and installation, and such officer shall have the duties, rights, and privileges of his predecessor.

7.8 Removal. Any officer or member of the Board of Governors may be removed by a 2/3 vote of voting members present at a regular meeting, whenever in the judgment of the members, the best interests of the Chapter will be served thereby. The notice of this Chapter meeting shall contain the statement that an item of importance to the Chapter will be presented for action.

#### ARTICLE VIII - COMMITTEES

8.1 General. All Chapter Committees shall be designated as Standing Committees or Special Committees. Standing Committees are mandatory and are of a continuing nature, while Special Committees are created for a specific purpose and may be dissolved when their functions have been completed.

8.2 Appointments. Except as noted herein, all Standing Committee members and respective Chairman thereof shall be appointed by the President-Elect pursuant to Article 6.4.

8.3 Standing Committees. Standing Committees are mandatory and are broken into two categories: (a) those tied into the CRC and those essential to the Chapter operation. (b) Committees tied into the CRC are the CRC Action, Education, Energy Management, Membership and Research Promotion. (c) Committees essential to the Chapter operation are Auditing, Nominating, Program, Reception, Publicity, Attendance, Publication or Newsletter, and Historical. (d) The duties and functions of each Standing Committee (several of which may be combined under a single chairman) are as follows:

8.3.1 CRC Action Committee. The CRC Action Committee shall determine major items of concern to the Chapter, obtain biographies on possible candidates for Society offices, committees and for various Region and Society honors and awards, provide direction to the delegate and alternate delegate on actions to be presented to the Chapter's behalf at the CRC, and encourage the Chairmen of the Membership, Education, Research Promotion, and Energy Management Committees to attend the CRC. The Chairman of this Committee should be a past president of the Chapter.

8.3.2 Education Committee. The Education Committee shall encourage the continuing education of the members in the sciences of Heating, Refrigerating and Air-Conditioning; shall, in conjunction with the Program Committee and Research Promotion Committee, arrange for presentations on current developments in these and related sciences; and shall arrange for Chapter participation in continuing education courses and related activities. The Chairman of this Committee, or his designated substitute, is expected to attend the CRC Meeting.

8.3.3 Energy Management Committee. The Energy Management Committee shall promote the continuing education of the members in energy conservation measures and activities adopted by the Society, and encourage new energy management designs by members, and the submittal of written reports on those designs for consideration in Regional and Society energy awards competition. The Chairman of this Committee, or his designated substitute, is expected to attend the CRC Meeting.

8.3.4 Membership Committee. The Membership Committee shall encourage applications by persons qualified for membership in the Society; shall encourage increased member participation in Chapter affairs; and shall encourage members to advance in their membership grade in the Society. The Chairman of this Committee, or his designated substitute, is expected to attend the CRC Meeting.

8.3.5 Research Promotion Committee. The Research Promotion Committee shall promote the research activities of the Society by conducting an annual campaign to obtain investments in ASHRAE Research, and shall encourage original and independent research by the members in the sciences of Heating, Refrigerating and Air-Conditioning, and in conjunction with the Program Committee, shall encourage lectures, demonstrations and discussions on technical topics of interest for presentation at Chapter meetings. The Chairman of this Committee, or his designated substitute, is required to attend the CRC Meeting and Special Regional Committee Meeting when called by Regional Vice Chairman for Research Promotion.

8.3.6 Auditing Committee. The Auditing Committee shall consist of three (3) members, none of whom shall be members of the Board of Governors. The Committee shall be appointed by the Board and shall elect its own chairman.

8.3.7 Nominating Committee. The Nominating Committee shall consist of five (5) members in good standing, none of whom shall be members of the Board of Governors. The Committee shall be elected by the Chapter at the January meeting. The Nominating Committee shall elect its own chairman. Nominations shall be made by members from the floor at such meeting. Nominees

receiving the five highest number of votes shall be elected. In the case of a tie, there shall be a runoff election which shall be held at the same meeting.

8.3.8 Program Committee. The Program Committee, in conjunction with the Board of Governors and all other committees, shall arrange programs for the meeting of the Chapter.

8.3.9 Reception Committee. The Reception Committee shall encourage fellowship among members; and shall extend cordial greetings to guests and new members of the Society.

8.3.10 Publicity Committee. The Publicity Committee shall publicize the name, purposes and activities of the Chapter in an effort to obtain qualified members; shall report Chapter activities of public interest to the news media.

8.3.11 Attendance Committee. The Attendance Committee shall be responsible for contacting each member of the Chapter prior to each scheduled meeting or event to insure that they have received notice of that meeting or event, and to ascertain the expected attendance.

8.3.12 Publications or Newsletter Committee. The Publications Committee shall obtain news of interest to the Chapter members and supervise the publishing of the Chapter newsletter.

8.3.13 Historical Committee. The Historical Committee shall collect and safeguard facts, photographs, records and other memorabilia pertinent to the history of the Chapter.

8.3.14 Special Events Committee. The Special Events Committee shall handle the arrangements for any special events to be sponsored by the Chapter, or for other events to which the Chapter membership has been invited.

8.4 Other Committees. Additional committees shall be termed as Special Committees and may be appointed at any time by the President, with the advice and approval of the Board of Governors, and shall be announced at the next meeting of the Chapter.

Note: Chapters shall submit the list and duties of known Special Committees. (See Rules of the Board 300-005-001.)

8.5 Vacancies. Whenever any member refuses an appointment to a committee or whenever there is a vacancy on any committee by resignation or otherwise, the President shall, with the advice and approval of the Board of Governors, appoint another member to such committee.

8.6 Removal. Any committee member appointed or elected may be removed by the person or persons authorized to appoint or elect such member, whenever, in their judgment, the best interests of the Chapter will be served thereby, except that the President shall remove a member only with the advice and approval of the Board of Governors.

8.7 Attendance at Board Meetings. Committee Chairman shall attend the meetings of the Board of Governors when so requested by the presiding officer, but shall not be entitled to voting rights at such meetings.

#### ARTICLE IX - CHAPTERS REGIONAL COMMITTEE

9.1 Election of Delegates. The Board of Governors-elect shall elect from among its members one delegate and one alternate to the Chapter Regional Committee. At least one of said delegates shall be an officer-elect of the Chapter. The delegates shall be announced at the annual meeting of the Chapter. The names of such delegate shall be certified in writing by the Secretary to the Secretary of the Society and the Regional Chairman by the first day of the following June.

9.2 Term. The delegate and alternate delegate shall serve for a term of one (1) year, commencing on the first day of June following their election. No member may be elected to serve as the delegate for more than two (2) consecutive terms; no member may be elected to serve as the alternate delegate for more than two (2) consecutive terms; and no member may be elected to serve in either capacity for more than four (4) consecutive terms.

9.3 Duties. The duties of the delegate and alternate delegate shall be as prescribed from time to time by the Society. They shall transmit recommendations concerning policies, procedures, and operations of the Society, its Chapter and its Student Branches to the Regional Chairman in advance of the Chapters Regional Committee Meeting; shall attend such meeting; shall suggest candidates for the Board of Directors of the Society, Society committees, and miscellaneous Society honors and awards; shall participate in the election of one (1) member and one (1) alternate member to serve on the Society Nominating Committee; and shall report to the Board of Governors of the Chapter regarding the business transacted at the Chapters Regional Committee Meeting, together with any recommendations for Chapter action.

9.4 Vacancies and Removal. Whenever either delegate is unable to fulfill his office, the Board of Governors shall appoint another delegate. Either delegate may be removed by the Board of Governors, whenever, in its judgement, the best interests of the Chapter will be served thereby.

## ARTICLE X - AMENDMENTS

10.1 Powers and Limitations. All Articles of these Bylaws shall be subject to alteration or repeal, consistent with the Certificate of Consolidation, Bylaws, and Rules of the Board of Directors of the Society Section 149 (1) of the Canadian Income Tax Act of 1971, as amended, or corresponding provisions of any subsequent federal tax laws.

10.2 By Society. Amendments to these Bylaws set forth in written directives of the Secretary of the Society may be adopted by a majority of the Board of Governors. Written copies of said amendments shall be sent by the Secretary to all members, or an officer of the Chapter shall read said amendments at the next succeeding meeting.

10.3 By Chapter. Amendments to these Bylaws may also be initiated by a written resolution of a majority of the Board of Governors or of not less than five (5) members in good standing with voting privileges, presented at any meeting of the Chapter. If approved by a majority of the members present the Secretary shall mail copies of the proposed amendments to all members not less than seven (7) days before the next succeeding meeting. If approval by a two-thirds (2/3) vote at such meeting, the Secretary shall forward such amendments to the Secretary of the Society for approval by the Charter and Bylaws Committee of the Society, and review by the Regional Chairman. Any amendments shall become effective only upon receipt of written notice of approval by the Charter and Bylaws Committee of the Society.

## ARTICLE XI - ADOPTION

These Bylaws shall be completed and adopted by a majority of the Board of Governors. Written copies of said Bylaws shall be sent by the Secretary to all members and shall be sent, as amended, to such persons as shall, from time to time, become members of the Chapter.

Adopted by the New Brunswick Chapter

---

Date

---

Chapter President

revised  
82/04/15  
jr

P.O. Box 1413  
Moncton, New Brunswick Canada

October 26, 1983

ASHRAE INC.  
1791 Tullie Circle N.E.  
Atlanta GA 30329

Attention: Andi S. Abbott  
Manager of Membership

Dear Miss Abbott:

During the problem session at the Region II Québec City CRC last May, you stated that a slide show on the procedure for running a chapter was available to us. We are very interested in presenting this slide show at one of our monthly meetings.

Would you please send us the slide show package for January or February 1984. You may send it to:

Graham McCormick  
Chairman Program Committee  
Enerplan Consultants Ltd  
86 Botsford Street  
Moncton, N.B.

Thanking you in advance for your cooperation in the above matter.

Yours truly,



Jean-Guy Bernard, P. Eng.  
President N.B. Chapter ASHRAE

cc: G. McCormick

Sent out on Oct. 26, 1983



108 Avalon St.  
Dieppe, N.B.  
E1A 1J9

October 31, 1983

Intercoo Ltd  
205 Norseman St.  
Toronto, Ontario

Attention: Mr. John Andrews

Dear Mr. Andrews:

As stated during our telephone conversation of this morning, you are invited to be a guest speaker of the New Brunswick Chapter of ASHRAE at one of our regular monthly meetings after the new year.

Our schedule for the winter months is as follows:

January 10, 1984  
February 14, 1984  
March 13, 1984  
April 10, 1984  
May 8, 1984

If you can schedule your next visit to Moncton to coincide with one of our meeting dates, we would greatly appreciate this.

Since your area of expertise is industrial refrigeration application, we are interested if you gave us a short presentation (3/4 to 1 hour) on the advantages of screw compressors as compared to reciprocating ones. Also, a short discussion on heat recovery from ammonia refrigeration system would be appreciated.

As you know, ASHRAE is a non-profit association and all of us donate time and some money to participate in ASHRAE. Therefore, we cannot pay your expenses to meet with us. On the other hand, you will have direct contact with engineering consultants, mechanical and refrigeration contractors and sales representative who may need your products and services.

Would you let me know if you can make it at one of the above-mentioned dates and if you can, I will contact you to finalize arrangements.

Yours truly,

Jean-Guy Bernard, P. Eng.  
President, New Brunswick  
Chapter ASHRAE

ASHRAE GENERAL MEETING

Date: February 14, 1984

Attendance: 26 members, 4 guests

MINUTES

1. The President opened the business session after dinner with a summary of the main points of the Executive Meeting prior to the General Meeting.  
These were:
  - 1) A letter will be sent to the President of the I.E.S. society regarding the unilateral decision of withholding \$1000 from the ASHRAE-IES showcase in St. John.
  - 2) It was decided to have the N.B. Chapter Secretary send a cheque for \$3.50 per Chapter paid member to the Niagara-On-The-Lake CRC in May 1984 as soon as possible. The amount to be sent is \$210 for 60 paid members.
2. Gerry Forsythe, Chairman of the Membership Committee introduced the new members. He gave a report on Membership which included 6 new members and two (2) upgrades of existing members. He stated that we should have no problem in attaining our minimum POAE points.
3. Gary Brown, the Region II Membership Vice-Chairman, was one of the guests. He talked on Region V membership status in which he stated that we have an increase of 18% in new members but we have approximately 10% delinquent society members.
4. Bob Thibeault, Chairman of the Education Committee, gave a status report on Education. He has 14 new student members from UNB and plans on conducting chapter workshops. He will be sending a report before the end of the month to the Region II Education Vice-Chairman.
5. Dave Potter, Chairman of the Research Promotion Committee, stated that he had collected 20% of his objective and he has established a two men committee to get things moving.
6. The Chairman of the Energy Management Committee was absent from the meeting, however he has appointed Brian Storey as Vice-Chairman and should have results by next month.
7. Steeve Tweedie, the Treasurer, gave a report on Chapter Finances. The Chapter has approximately \$2700 in the bank account. At the beginning of the meeting there were 54 paid Chapter members and 60 after the meeting.
8. The Chairman and Regional Director of Region II, Lloyd Algie, was one of the N.B. Chapter guests at the meeting. He gave a report on the activities of the Region II Chapters, talked about the upcoming CRC at Niagara on the Lake. He also presented a Certificate of Appreciation to Gerry Forsythe for his work as President of the N.B. Chapter in 1982-83.

9. After a five minute break, Jean-Guy Bernard introduced the guest speaker, Vladimir Goldstein who gave a instructive and interesting presentation on a new type of ice making system which has practical applications in the Atlantic provinces.
10. Gray Blue thanked the guest speaker as well as Lloyd Algie and Gary Brown.
11. The meeting was adjourned at 9:30 p.m..

March 14, 1984

Mr. Laurie Savage  
Lite Enterprises Ltd.  
87 Main Street  
Fredericton, N.B.  
E3A 1C2

Dear Sir:

We have received a copy of your February 2 letter to Ralph Smith Vice-President I.E.S. in which you discussed the I.E.S./ASHRAE showcase in Saint-John on November 1, 1983.

The letter was tabled at our executive meeting of February 14 and needless to say, we were very dissatisfied with I.E.S. unilateral decision to withhold \$1000 from our share of the proceeds from the showcase profits. This, to our opinion, is considered as a very non professional act which destroys any good relation between our societies.

As President of the New Brunswick Chapter of ASHRAE, I was never advised in writing that you requested assistance in organizing the showcase and that you would unilaterally decide to withhold money from our proceeds. The usual procedure is to let other persons or groups know well in advance what is expected of them both verbally and in writing in order to assure that all concerned know the rules of the game. You people changed the rules of the game to suit your own needs with a total disregard for our group.

At our executive meeting in February, a motion was brought forward and unanimously approved by the Board of Governors that the New Brunswick Chapter ASHRAE disassociate itself with I.E.S. for joint-ventures on product showcases and that in the future, we will be having ASHRAE only showcases in which the rules will be made up by us and known in advance to all concerned.

It is regretful that your attitude has caused this rupture, however for our own benefit, this action is warranted.

Jean-Guy Bernard, P. Eng.  
President  
N.B. Chapter ASHRAE

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Please mail original to Headquarters, green copy to Reg. Chrm as soon as possible with as much information as currently available. Pink copy for chapter files, Hdqrs & Reg. Chrm to be advised of any and all changes. The addresses given on the Questionnaire are used by Headquarters for matters of chapter business *only* for the entire fiscal year, and are separate from Journal, Handbook, and miscellaneous mailings. Please notify us promptly of Questionnaire changes.



## ASHRAE CHAPTER INFORMATION QUESTIONNAIRE

(CHAPTER OFFICERS MUST BE SOCIETY MEMBERS)

CHAPTER New Brunswick REGION 11 FISCAL YEAR 1984-1985

CHAPTER OFFICERS (Do not use nicknames)  
(Include area code when listing phone numbers.)

### PRESIDENT

Name Gary Blue Member# 69862  
Street Address 1074 Frampton Lane  
Moncton, N.B. E1G 1S9  
Business Phone (506) 382-8880

### SECRETARY

Name Stephen Tweedie Member# 0756128  
Street Address 55 Waterfall Drive  
Riverview, N.B. E1B 3C6  
Business Phone (506) 854-5536

### PRESIDENT-ELECT

Name Robin Craig Member# 0153744  
Street Address 91 Birchwood Crescent  
  
Business Phone (506) 855-5890

### TREASURER

Name David Cowan Member# 2001571  
Street Address 219 Summit Drive  
Riverview, N.B. E1B 1N4  
Business Phone (506) 382-5426

### VICE PRESIDENT

Name None Member# \_\_\_\_\_  
Street Address \_\_\_\_\_  
  
Business Phone \_\_\_\_\_

### OTHER

Name None Member# \_\_\_\_\_  
Street Address \_\_\_\_\_  
  
Business Phone \_\_\_\_\_

### CHAPTER BOARD OF GOVERNORS

Name Jean Guy Bernard Member# 0057942  
Street Address 108 Avalon Street  
Dieppe, N.B. E1A 1J9  
Business Phone (505) 758-9044

Name Graham MacCormack Member# 2015216  
Street Address 90 Parkdale Drive  
Moncton, N.B. E1C 4K9  
Business Phone (505) 854-5536

Name Gerry Forysthe Member# 0236439  
Street Address 293 Randall Drive  
Riverview, N.B. E1B 2V4  
Business Phone (506) 386-8625

Name Lee MacLeod Member# 0455455  
Street Address 106 Hillsborough Road  
Riverview, N.B. E1B 1R3  
Business Phone (506) 386-1386

HEADQUARTERS ADDRESS: ASHRAE, 1791 TULLIE CIRCLE, N.E., ATLANTA, GA. 30329

# CHAPTERS REGIONAL COMMITTEE REPRESENTATIVE

## DELEGATE

Name Gary Blue Member# 69862  
 Street Address 1074 Frampton Lane  
Moncton, N.B. E1G 1S9  
 Business Phone (506) 382-8880

## ALTERNATE

Name Robin Craig Member# 0153744  
 Street Address 91 Birchwood Crescent  
Moncton, N.B. E1E 3Z9  
 Business Phone (506) 854-5536

## MEMBERSHIP COMM. CHRMN

Name Gerry Forysthe Member# 0236439  
 Street Address 293 Randall Drive  
Riverview, N.B.  
 Business Phone (506) 386-8625

## EDUCATION COMM. CHRMN

Name Robert Thibeault Member# 0736898  
 Street Address 1 Trites Road  
Riverview, N.B. E1B 2V5  
 Business Phone (506) 854-3313

## RESEARCH PROMOTION COMM. CHRMN

Name Kevin Wynn Member# 0817816  
 Street Address 110 Marcombe Drive  
Riverview, N.B.  
 Business Phone (506) 386-2941

## ENERGY MANAGEMENT COMM. CHRMN

Name Brian Storey Member# 2013707  
 Street Address Site 5, R.R.#7, Compartment  
#24, Moncton, N.B. E1C 8Z4  
 Business Phone (506) 854-3313

## PROGRAM COMM. CHRMN

Name Jean Guy Bernard Member# 0057942  
 Street Address 108 Avalon Street  
Dieppe, N.B. E1A 1J9  
 Business Phone (506) 758-9044

## GOV'T AFFAIRS

Name None Member# \_\_\_\_\_  
 Street Address \_\_\_\_\_  
 Business Phone \_\_\_\_\_

## HISTORIAN

Name Brian Storey Member# 2013707  
 Street Address Site 5, R.R.#7, Compartment  
#24, Moncton, N.B. E1C 8Z4  
 Business Phone (506) 854-3313

## NEWSLETTER EDITOR

Name Jean Guy Bernard Member# 0057942  
 Street Address 108 Avalon Street  
Dieppe, N.B. E1A 1J9  
 Business Phone (506) 758-9044

## "R" IN ASHRAE

Name Alyre Gallant Member# 2002157  
 Street Address 154 Hazen Drive  
Moncton, N.B. E1C 4K3  
 Business Phone (506) 855-1270

## MEETING DATES FOR THE 1984-1985 FISCAL YEAR

July _____	Oct. _____	Jan. _____	Apr. _____
Aug. _____	Nov. _____	Feb. _____	May _____
Sept. _____	Dec. _____	Mar. _____	June _____

Regular Meeting Location \_\_\_\_\_



Energy, Mines and  
Resources Canada

Énergie, Mines et  
Ressources Canada

Conservation and  
Renewable Energy Office

Bureau canadien des économies  
d'énergie et des énergies renouvelables

835 Champlain St.,  
Dieppe, New Brunswick  
E1A 1P6

835, rue Champlain,  
Dieppe (Nouveau-Brunswick)  
E1A 1P6

Your file    Votre référence

Our file    Notre référence

April 6, 1988

CR8070-8.4

Mr. Philipp W. Oland  
Chairman of the Board  
Moosehead Breweries Limited  
P.O. Box 3100  
Saint John, N.B.  
E2M 3H2

Dear Mr. Oland:

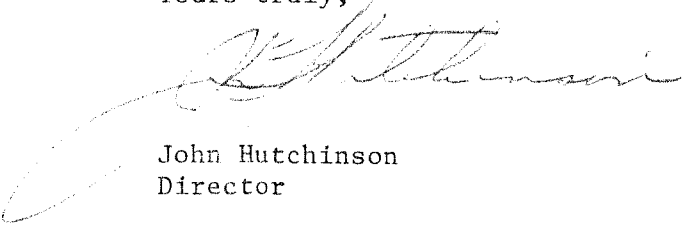
The Boiler Efficiency Seminar, held at the Saint John Trade and Convention Centre on March 17th and 18th, was an outstanding success.

The field demonstration at your brewery on the morning of the second day contributed significantly to this success.

On behalf of the sponsors, ASHRAE and Energy, Mines and Resources Canada, I would like to thank you for allowing us to use your facilities and for the hospitality shown by your staff. In particular, Mr. Richard Jackson was instrumental in making the necessary arrangements. We have been working closely with Mr. Jackson on the recently installed heat pump at your facility as well as other energy conservation initiatives. We have found his enthusiasm and initiative exemplary.

For your interest, we have enclosed a copy of our summary report on the seminar. We are looking forward to the heat pump seminar scheduled for April 19th and 20th in Saint John at which a paper will be presented on your heat pump project and a site tour will be made of the installation.

Yours truly,



John Hutchinson  
Director

Enclosure

cc: G. Fawcett, P. Eng.  
Chairman, Education Committee  
ASHRAE

Canada

New Brunswick CREO

MARCH 1988

REPORT ON  
BOILER PLANT IMPROVEMENT SEMINAR  
MARCH 17-18, 1988  
SAINT JOHN, N.B.

Prepared by: Richard Grey, P. Eng.  
Project Engineer

## BOILER PLANT IMPROVEMENT SEMINAR

DATE HELD: Thursday & Friday, March 17-18, 1988

LOCATION: Saint John Trade and Convention Centre

### INTRODUCTION

Imported oil supplies 46% of New Brunswick's energy requirements. 21,695,000 barrels of petroleum were imported in 1985; 70% from Venezuela and Mexico; and 30% western oil shipped in tankers from Montreal. The province has no protection against shortages and high prices which could very quickly result from a slightly increased world demand, a reorganized OPEC, or international disruptions. Conservation efforts and efficiency improvements are the best means of lessening the effects of these outside influences on the provincial economy.

### OBJECTIVE

The objective is to present current information on measuring and improving the efficiency of boilers and systems using steam. This will be done with presentations on available practices and techniques for conserving energy through elimination of waste in boilers and water heating systems, and with a demonstration of the indirect test procedure for boiler efficiency.

It is expected that the participants could achieve an average boiler efficiency improvement of 6% without capital expenditure which would result in a saving of approximately \$150,000/year for a 50,000 lbs./hr. boiler. Larger savings are often economically feasible with small investments in equipment. Improvements in the efficiency of systems using steam are often much greater than those associated with the boiler.

### BACKGROUND

The Boiler Efficiency Institute in Auburn, Alabama, has been presenting workshops and performing field studies on boiler and steam efficiency improvement since the seventies. The lecturers are known for their teaching style which combines a sound technical presentation with an easy to understand approach which has an equally strong appeal to all individuals interested in boiler and steam efficiency, regardless of their educational experience and background.

This two-day seminar was presented in Montreal and Toronto in September, 1987. A New Brunswick consultant who attended the seminar in Montreal indicated that it was very good. Also, the person responsible for the Toronto seminar indicated the Ministry of Energy was very satisfied with the course content and presentation, and they have held the seminar once each year for the last five years.

The N.B. Chapter of ASHRAE, therefore decided that a similar seminar in New Brunswick would be very beneficial to the operators of boilers in hospitals, colleges, universities, pulp mills, processing plants, large schools, etc.

#### LOCATION

The seminar was held at the Saint John Trade and Convention Centre with accommodations for the participants arranged at the Hilton International Saint John. These are a part of the new Market Square Complex located on the Saint John harbourfront. This made for a very beautiful and enjoyable setting for the seminar. The field demonstration on the morning of Day 2 was held at Moosehead Breweries Ltd. in Saint John. Two city buses were chartered to transport the group to and from the demonstration.

#### PROCEEDINGS

The seminar was opened by Mr. Graham Fawcett, Education Committee Chairman for the N.B. Chapter of ASHRAE. He welcomed the participants and introduced Mr. John Hutchinson, Director of the N.B. CREO of Energy, Mines and Resources Canada. Mr. Hutchinson illustrated the importance of fuel efficient plant operations and the important role that the operators have in this effort.

The lecturers for the seminar were then introduced. Dr. David Dyer of the Boiler Efficiency Institute, presented the entire classroom session and the water quality portion of the field demonstration. David Burch of the Boiler Efficiency Institute, set up the field demonstrations and presented the combustion efficiency testing.

The topics covered are summarized in Appendix II. The overhead transparencies from the lectures were gathered and a set of copies made for each of the attendees. A copy is included with this report.

Dr. Dyer has an excellent style of presentation. He requires no reference materials and is able to make notes on the overhead transparencies as he goes. That he is very knowledgeable and comfortable in this field, is obvious. He quickly establishes a rapport with his audience, and will frequently get the audience to add relevant information about their situations. The atmosphere is at once relaxed and enthusiastic, very conducive to learning. The occasional humorous remark helped to keep the presentation enjoyable. People weren't watching the clock, and it seemed that nobody wanted to leave early, even on the final afternoon.

The field demonstration at Moosehead Breweries consisted of three areas; the water quality testing, the combustion efficiency testing, and a tour of the brewing and bottling operations. A half hour was allotted for each area. The class was divided into three groups as they filed through the front door. The first group of 25 was taken directly to the boiler room for the combustion efficiency testing. The second group of 25 was taken on the tour, and the third group was taken to the water quality demonstration. After each thirty minutes the groups were

rotated to another area of the demonstration. In this way each group saw each area in the space of an hour and a half with a minimum of confusion and frustration.

A film crew from CHSJ TV, the CBC affiliate for New Brunswick, was present during the field demonstration to do a news article about the Boiler Plant Improvement Seminar. This aired later that day on the 5:30 P.M. and 11:00 P.M. CBC News for New Brunswick. Lasting about four minutes, it included a narrative by the anchorman, some film of the group and Dr. Dyer at the water quality demonstration, an interview with Alan Miller of E.M.R. Canada's N.B. CREO, and one with Richard Jackson of Moosehead Breweries. The news article emphasized the savings the boiler technicians could achieve for their respective companies, and shed a positive light on the efforts of E.M.R. Canada and ASHRAE (N.B.).

Following the afternoon session on Day 2, closing remarks were presented by Alan Miller. Gifts to the lecturers were presented by Richard Jackson. Before leaving, an evaluation questionnaire was completed by each of the attendees. The results of this questionnaire are summarized in Appendix III. Before leaving, many stopped to enquire with EMR Canada staff about upcoming courses and seminars.

#### DISCUSSION

Each of the participants seemed very pleased with the seminar. Some improvements which will be added to future seminars of this type include:

1. Course Materials - All course materials will be received by organizers well in advance of future seminars. One of three boxes of manuals for this seminar was lost by the airlines. This was not a serious problem as the manuals were not required during the seminar, and replacements were received within a week and sent to the participants.
2. Smoking - The classroom will be divided into smoking and non-smoking areas, with due regard to air flow in the classroom.
3. Classroom Size - This seminar was originally planned for a maximum of 50, but due to demand, was increased to 75. Because of this, an adjoining room had to be added, making the seminar room a bit long.
4. Organizers will wear distinctive name tags so that participants will know who to go to for information.

The service provided by the hotel and convention centre staff was excellent. Coffee and muffins were provided at each break. The noon luncheons were excellent. The "Royal Suite" was provided as a hospitality room during the evening of Day 1. Nearly half of the seminar participants took advantage of this chance to meet one another and the lecturers.

### COST

Costs for the seminar were expected to total \$14,000 with a revenue from 30 paid participants of \$1,500 for a net cost of \$12,500. Because of the very high demand, the number of paid participants was increased to 73 which increased revenue by \$2,150. The costs remained under the estimated \$14,000 for a net cost of slightly under \$10,000. This amount could very quickly be saved by one plant alone through reduced energy consumption as a result of this seminar.

### CONCLUSION

The course was very successful in all aspects. The participants will return to their plants with a fresh outlook on their tasks, a rekindled interest in improving the efficiency of their boiler plants, and perhaps the confidence to challenge the "status quo" where changes should be made.

The credibility of ASHRAE and E.M.R. Canada sponsored seminars has received a boost, and interest in future seminars has been increased. Many people have asked to be registered in a heat pump seminar in April, and an HVAC seminar planned for June, and a second Boiler Plant Improvement seminar in September is half full already.

The two manuals from the Boiler Efficiency Institute; Boiler Efficiency Improvement and Steam Efficiency Improvement; along with copies of the course notes, will serve as reference books for the participants for years to come.

## MINUTES OF MAY - A.S.H.R.A.E.

CHAPTER: NEW BRUNSWICK MEETING DATE: MAY 10, 1988  
 ATTENDANCE: 20 GUESTS: \_\_\_\_\_ COMPILED BY: GERRY WASELYNCHUK  
 MINUTES: GENERAL MEETING LOCATION: CY'S RESTAURANT, MONCTON, N. B.

1. President Irwin MacDonald called the meeting to order at 7:45 P. M.
2. Gerry Waselynychuk read minutes of last general meeting. Motion to accept minutes as read by Robin Craig, seconded by Gary Hoadley, motion carried.
3. Treasurer's report by Peter Biggar.
  - Previous Balance - \$4920.95
  - May 9, Balance - 9410.65
  - GIC, #1, Balance - 5437.50 (matures Sept. 10/88)
  - GIC, #2, Balance - 1213.17 (matures May 26/88)
  - Total Shares - 199.98

All bills have been paid and there is one outstanding invoice for \$8067.44 (US Funds). Books were audited by 3 members of A.S.R.A.E. Motion by Frank McPherson, report be accepted as read, seconded by Gary Fahie, motion carried.
4. Membership chairman Gary Blue introduced a new member, Philip Jones.
5. Education chairman, Graham Fawcett reported on the upcoming seminar. (see list attached.) Careers Expo is coming up and A.S.R.A.E. will not attend.
6. Research and Promotion: Chairman Andrew Lavoie has sent out mailers to all past contributors asking to give this worthwhile cause.
7. CRC 89 Chairman Robin Craig reported that the hotels are booked. With the format changing, Robin asked to meet to discuss details.
8. Meet 88' chairman Robin Craig reported that financially Meet 88' was a success. Approximately 187 booths were sold with approximately 2600 people attending in two days.
9. Gary Fahie announced that a newsletter would be sent out in June.
10. Executive board meeting to be held in June and September to discuss lobster party. CRC in London in October, golf tournament and many of the seminars.
11. Robin Craig motioned that the annual lobster party be held, seconded by Gary Hoadley, motion carried.
12. Gary Blue motioned that a tip to the marina staff to show our gratitude and a ceremony be held for Robin Craig for his hard work in Meet 88'. Seconded by Dave Potter, motion carried.

## Minutes - Continued

13. The executive meeting reconvened to modify original motion No. 3 in the executive meeting. Motion by Irwin MacDonald that the list of seminars be attached to the original motion. Motion seconded by Peter Biggar, motion carried.
14. President Irwin MacDonald announced that he was grateful to have served as president this past year. He thanked all chairman and the executive for their hard work the past year.
15. President Irwin MacDonald introduced the upcoming executive and announced their duties and positions.

President -----	Gerry Waselynychuk
Vice President -----	Rino Levesque
Secretary -----	Peter Biggar
Treasurer -----	Gary Fahie
Board of Governors -----	Bob Smith
	Frank Ackerly
	Allan Miller
	Alyre Gallant
	Brian Storey
	Derrick Palmer
	Irwin MacDonald

16. Incoming president, Gerry Waselynychuk told the members of his commitment to fulfill his obligations as president. He asked if any committee chairman wished to step down, that they contact him immediately.

Gerry Waselynychuk thanked Irwin MacDonald for his hard work and dedication as president this past year. Gerry Waselynychuk announced upcoming events for this chapter.

17. President Gerry Waselynychuk motioned that the meeting be adjourned at 10:00 P. M., seconded by Peter Biggar, motion carried.



ASHRAE: New Brunswick Chapter  
 Presidential Report, 1987 - 1988

It has been my pleasure to serve as president of the New Brunswick chapter of ASHRAE for the year 1987-1988. Generally, it has been a successful year with most committees working well.

Our annual Gulf Tournament was once again a great success. One of the highlights of the year, that I would like to mention, was our Christmas Social. This year we combined it with a past president night and we were successful in having 8 out of 13 past presidents in attendance. This event, I feel, was a great moral booster and contributed to a steady turn out for our monthly meetings.

The various committee reports are enclosed in the following pages so I will not go into any detail on them.

We are once again delighted with the success of another trade show. Our M.E.E.T. '88 show was bigger and better this year and has proven to be a great fund raiser for the chapter.

We have also had the unique opportunity to sponsor a number of seminars/workshops in conjunction with Energy, Mines, & Resources. These seminars have already started and will continue throughout the fall of 1988, and into 1989. These seminars include such topics as boiler plant efficiency, H.V.A.C. efficiency, Automatic Temperature Controls, Air System Design and Retrofit, D.D.C. for H.V.A.C. monitoring and control, etc. This presents a tremendous opportunity for us to offer to the industry in our area professional training and advise at a very low cost.

The chapter will not only gain in PAOE Points through these seminars but also the exposure ASHRAE will have through these and our trade shows is certain to attract more members and help the chapter to grow.

I would like to thank all the committee members and Executive Board members for their efforts and hard work in the past year. I suggest that we must continue to educate our members and more particularly our committee men and officers on the operations of the Chapter and the Society in general so they can pick-up the torch and continue to grow.

We are looking forward to hosting the CRC '89 and have our chairmen and officers in place who have now prepared a lot of the ground work. I would invite all who can come to CRC '89 to do so and sample our Maritime traditions and hospitality.

Good luck,

Irwin MacDonald  
 President NB Chapter, ASHRAE  
 1987 - 1988



N.B. CHAPTER

1988/89 WHO'S WHO

Executive

President	Gerry Waselynychuk	857-8788
President Elect	Rino Levesque	857-0818
Secretary	Peter Biggar	857-8880
Treasurer	Gary Fahie	387-4221
Past President	Irwin MacDonald	857-1675

Board of Governors

Bob Smith	384-8228
Frank Akerley	853-8020
Allan Millar	857-6077
Alyre Gallant	857-2233
Brien Storey	858-0313
Derrick Palmer	858-1300
Irwin MacDonald	857-1675

Committee Chairmen

Membership	Gary Blue	858-1300
Historian	Gary Blue	858-1300
Education	Graham Fawcett	857-2387
Research Promotion	Andrew Lavoie	857-0818
Energy Management	Brien Storey	858-0313
Program	Gary Hoadley	858-1300
Gov't Affairs	Allan Miller	857-6077
News Letter	Jean Guy Bernard	857-6070
"R" in Ashrae	Alyre Gallant	857-2233
CRC Action	Gerry Waselynychuk	857-8788
Reception	Emile LeBlanc	386-3195
CRC 89	Robin Craig	857-8890

ASHRAE Contacts

- (1) George Buckler - FAX - 416-527-9151  
PHONE - 416-527-9194
- (2) Norm Johnson - FAX - 416-475-3049  
(Regional Chairman) PHONE - 416-499-4822  
210 Denison St.  
Markham, Ontario  
L3R 1B6

1-416 479-4004

ASHRAE FALL CRC SUMMARY REPORT REGION IISociety Year 19 88 - 19 89 (1987-1988) 37

Note: The "current" Society year (1987-88) is the year being reported for Fall CRCs. The previous year column represents 1986-87 totals.

Chapter NEW BRUNSWICK Chapter No. 117CRC Location: City LONDON State/Province ONTARIOCRC Business Session: Date OCT. 5.6.7.8, 1988

## MEMBERSHIP PROMOTION

	Previous Year (86-87)	YTD (87-88) as of <u>JULY 12 88</u>
Assigned Members	<u>103</u>	<u>103</u>
Student Members	<u>10</u>	<u>12</u>
Chapter Members	<u>87</u>	<u>87</u>
New Members to Date	<u>+13</u>	<u>+10</u>
Members Delinquent To Date	<u>13</u>	<u>11</u>
Number of Upgrades	<u>0</u>	<u>+1</u>
Date of Membership Night	<u>-</u>	<u>-</u>
Guest Attendance (Membership Night)	<u>-</u>	<u>-</u>

## EDUCATION AND CHAPTER PROGRAMS

Name(s) of Student Branch(es) GRAHAM FAWCETT  
CURRENTLY OUR EDUCATION CHAIRMAN  
TEACHES AT NEW BRUNSWICK COMM.  
COLLEGE (TECHNICAL/MECH.) AND  
PROMOTES ASHRAE TO HIS STUDENTS

Do you have a Student Night? Yes X No     Number of Students attending Student Night 2Number of Scholarships 5 Total \$ Value \$1000.00Number of Grants in Aid - Total \$ Value -

Special Activities (describe) WE INVITED THOSE  
STUDENTS RECEIVING SCHOLARSHIPS  
TO ONE OUR MONTHLY MEETINGS AS  
A GUEST TO PROMOTE STUDENT

Chapter Meeting/Technical Programs  
(Excluding Social Functions)

Previous Year  
(86-87)

YTD (87-88)  
as of JUNE 1.88

Number of Technical Programs

5

13

Total Number of Meetings

7

7

Average Meeting Attendance

28

25

Number of Pre-Dinner Sessions

6

8

Rest Program

1. BREWERY

TOUR

2. N.B. TO

P.E.I CROSSING

{ SEE ATTACHED  
SCHEDULE  
OF YEARLY  
EVENTS }

Comments on programs, speaker lists, etc. \_\_\_\_\_

ALL SPEAKERS WERE VERY INTERESTING.

Social Functions ① GOLF TOURNAMENT (FALL)  
② PAST PRESIDENT'S NITE (DEC.)  
③ CHRISTMAS PARTY  
④ JUNE "LOBSTER" PARTY.

## ENERGY AND TECHNICAL AFFAIRS

Previous Year  
(86-87)YTD (87-88)  
as of JUNE 1.88

Number of Legislative Liaison	<u>0</u>	<u>1</u>
Number of Liaison other Societies	<u>0</u>	<u>1</u>
Number of Energy Award Entries	<u>0</u>	<u>0</u>
Number of Sessions	<u>0</u>	<u>0</u>
Number of Chapter Seminars	<u>2</u>	<u>4</u>

## RESEARCH PROMOTION/FUND RAISING

Previous Year  
(86-87)YTD (87-88)  
as of AUG. 22.88

Quota	<u>3000.00</u>	<u>2600</u>
Number of Contributions	<u>25</u>	<u>12</u>
Dollar Value	<u>\$ 2500</u>	<u>\$ 945</u>
Dollars per Member	<u>\$ <math>\frac{2500}{103} = 24.27</math></u>	<u>\$ <math>\frac{945}{103} = 9.17</math></u>

Special Activities or Comments THE RESEARCH PROMOTION  
CHAIRMAN HAS LARGE WORK COMMITMENTS  
AND FINDS IT DIFFICULT TO COMPLETE  
HIS TASKS.

## FINANCES

Previous Year  
(86-87)YTD (87-88)  
as of \_\_\_\_\_

Reserve Funds	<u>\$ —</u>	<u>\$ SEE TREASURES</u>
Current Balance	<u>\$ —</u>	<u>\$ REPORT</u>
Chapter Dues	<u>\$ 30.00</u>	<u>\$ 30.00</u>
Member Cost of Meals	<u>\$ 15.00</u>	<u>\$ 15.00</u>
Guest Cost of Meals	<u>\$ 15.00</u>	<u>\$ 15.00</u>
Cash Bar? Yes <u>X</u> ? No <u>  </u> ?	<u>\$ HOTEL</u>	<u>\$ HOTEL</u>
Package Plan? Details _____		

④

40

Description of Other Sources of Income?

- ① MEET "88" TECHNICAL SHOWCASE
- ② INTEREST FROM CHAPTER FUNDS INVESTED IN GIC'S.

Description of Special Projects or Programs Funded? WE

HAVE INCREASED OUR SCHOLARSHIPS  
AND PLAN TO EXPAND OR INCREASE  
THE NUMBER AVAILABLE

CPC ACTION COMMITTEE PROPOSALS

MOTIONS SENT TO DARTON MCINTYRE

CHAPTER PROBLEMS

SMALL CHAPTER DIVIDED INTO 3  
CITIES. THE SAME PEOPLE IN THE  
MONCTON CHAPTER DO ALL THE  
WORK WITHIN THE CHAPTER

CHAPTER INNOVATIONS AND SUGGESTIONS

WE HAVE AN ACTIVE SOCIAL PROGRAM.  
OUR WIVES ARE INVOLVED TO A  
POINT WHERE THEY RUNNING THE  
LADIES PROGRAM FOR THE CRC  
IN 1989 IN MONCTON.

# PAOE POINTS

Membership Growth

Meeting Attendance

Research Promotion

Education and Chapter Program  
Activities

Energy/Technical Affairs Activities

CRC Attendance

Previous Year  
(86-87)

YTD (87-88)  
as of JUNE 1.88

(5) 41  
ACTUAL

400 PTS.

LAST YEAR

283 PTS

FIGURES

665 PTS

ON REPORT

147 PTS

WERE

950 PTS

INCORRECT.

650 PT

410 PTS

TOTAL = 3105. PTS.

- Attachments:
1. CRC Action Items
  2. Best Newsletter of the Year
  3. Special Seminar Program
  4. Chapter Information Questionnaire
  5. Copy of Chapter Roster (optional)
  6. Product Directory (if published)
  7. Chapter Committee Chairmen MBO's

SIGNED:

J.P. Waselynych

Chapter President

## NEW BRUNSWICK CHAPTER

MAY. 31.88

TREASURER'S REPORT (1987-88)TREASURER - PETER BIGGAR

Opening Balance - \$ 991-64

Closing Balance - \$9,479.79

(Outstanding Invoice - \$8,067.44 U.S.)

Revenue

Membership dues	-	\$ 2,610.00
Proceeds from Cocagne social	-	825.00
Golf tournament proceeds	-	1,678.00
Proceeds from monthly meetings	-	1,803.77
Proceeds from Christmas party	-	370.00
Repayment of loan from Meet '88	-	1,699.07
Proceeds from Seminar	-	11,899.41
Deposit from Term	-	2,000.00
Void Cheque	-	300.00
Miscellaneous and Interest	-	21.72
Total	-	<u>\$23,206.97</u>

Expenses

CRC expenses	-	617.20
Seminar expenses	-	4,330.95
Bursaries	-	600.00
Prizes (President & Vice-President	-	137.13

Expenses, cont'd

Cocagne social expenses	-	\$ 1,930.72
Service charges	-	24.00
ASHRAE Research	-	300.00
Meeting expenses (meals & rentals)	-	3,074.16
Printing	-	117.92
Newsletter, postage, phone	-	596.43
P.O. Box	-	25.44
Golf tournament expenses	-	1,116.00
Christmas social expenses	-	1,070.01
Loan	-	750.00
Miscellaneous	-	28.86
		<hr/>
		\$14,718.82

2 Term Deposits - \$5,437.50 for 1 year maturing in November, 1988

- \$1,213.17 for 3 months maturing in May, 1988

Approximate interest value  
of term deposits - \$ 400.00

---

\$7,050.67

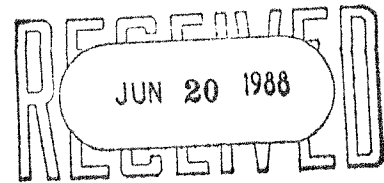
SUMMARY

Opening Balance	-	\$ 8991.64
Closing Balance	-	9,479.79
Difference	-	8,488.15
Monies in Term Deposits	-	7,050.67
		<hr/>
Net Profit	-	<u>\$15,538.82</u>

(NOTE: OUTSTANDING INVOICE - \$8,067.44 U.S.)

June 14, 1988

Indoatek Ltd.  
120 Rideout Street  
Moncton, NB  
E1E LE2



ATTENTION: Mr. Gerry Waselynychuk, President of ASHRAE

RE: Year End Education Committee Report  
Apoe Point Calculation 1987-1988

Dear Mr. Waselynychuk:

The purpose of this letter is to serve as the year end report for the Education Committee and to show calculation of APOE points for educational activities. Activities the branch was involved with and the APOE calculations are highlighted below.

<u>ACTIVITY</u>	<u>POINTS</u>
<u>FACULTY LIAISON</u>	
One new contact at UNBSJ	25
<u>STUDENT SCHOLARSHIPS</u>	
Five awarded this year      5 X 25	100
<u>CHAPTER TEHCNICAL SESSIONS</u>	
3RD party financing      . . .25	
Underground storage tanks      . . .25	
Lein rights      . . .25	
Custom built HVAC systems      . . .25	
	100
<u>CONTINUING EDUCATION (NON ASRAE)</u>	
Boiler seminiar      200	
HVAC plant improvement      200	
Vibration analysis      200	
	600
<u>CONTINUING EDUCATION (ASHRAE)</u>	
Water system analysis	100
<hr/>	
TOTAL	950

Based on the above calculations the total APOE points for education activities is 950.

Should you have any questions regarding the following please contact me at 858-2446 or 386-1967.

Yours truly,

A handwritten signature in dark ink, appearing to read 'G. R. Fawcett', with a long horizontal flourish extending to the right.

G. R. Fawcett P. eng  
Education Committee  
Chairman

NEW BRUNSWICK CHAPTER  
MEMBERSHIP COMMITTEE REPORT

1987-88

The membership committee for the New Brunswick Chapter was active this year in trying to obtain Society's goals for net growth.

We also have worked towards the goal of increasing the number of local Chapter dues paying members as requested by Society.

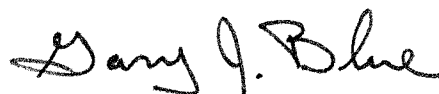
At the local Chapter level we have urged our members on numerous occasions to apply for membership advancement.

Hopefully, next year we can maintain our existing membership and meet Society's goal of net membership growth.

One of our goals for 1987-1988 is to entice more members to participate in our local chapter meetings.

We wish our new President and Executive a very successful year in 1988-89.

Yours truly,



Gary J. Blue  
Membership Chairman

N. B. ASHRAE  
ENERGY MANAGEMENT COMMITTEE  
FINAL REPORT FOR 1987/1988

Our goal for the year was 450 points. We surpassed our goal with a total of 650 points.

Kirk Bavis of our local chapter gave four (4) Energy Management Seminars over the past year. In January, he gave talks to Department of National Defence officials in Chatham, N.B. and in St. John's, Newfoundland to the Newfoundland Energy Task Force. In March, he held a seminar with Transport Canada officials in Moncton, N.B. and he presented an Energy Management Showcase at the M.E.E.T. 88 shown in Moncton, N.B.

Mr. Allan Miller of our local chapter was our chapter liason with the Provincial Government.

In June of this past year, we co-sponsored a full two day Energy Management seminar "Improvements in Boiler Efficiency" in Moncton, N.B with the Federal department of Energy, Mines and Resources.

Next year our goal is 850 points, with at least two entries in the Energy Awards.

Brien D. Storey, Chairman  
Energy Management Committee

ACTIVITIES OF THE NEW BRUNSWICK  
CHAPTER OF ASHRAE  
1987 - 88

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PRESIDENT: Irwin MacDonald  
VICE PRESIDENT: Gerry Waselynychuk  
SECRETARY: Rino Levesque  
TREASURER: Peter Biggar

---

SEPTEMBER

3 - Executive Meeting  
17 - Annual Golf Classic

OCTOBER

9 - Vibration/Isolation Seminar  
13 - Executive and General Meeting  
Speaker - Mr. Kirk Bavis - 3rd Party Financing

NOVEMBER

8 - Executive and General Meeting  
Speaker - Mr. George Buckler - Region II Chairman

DECEMBER

- Past President's Nite

JANUARY

10 - Executive and General Meeting  
Speaker - Garry Sowerby - Odyssey 86

FEBRUARY

7 - Executive and General Meeting  
Speaker - Dr. James Chatner - Underground Oil Storage Tanks

MARCH

8 - Executive and General Meeting  
Speaker - Mike McWilliams - Lien Rights  
17-18 - Boiler Plant Improvement Course

APRIL

12 - Executive and General Meeting  
Speaker - Jim Moer - Custom Built HVAC Equipment  
26 - MEET "88" - Public Seminars - Manson Insulation  
- UPS Power Supplies  
- Computer Room Air Conditioning  
27 - MEET "88" - Public Seminars - 3rd Party Financing  
- Ice Chillers  
- Variable Speed Drives

MAY

10 - Executive and General Meeting  
Swearing in of 1988-89 officers

JUNE

4 - Annual Lobster Party  
9-10 - HVAC Efficiency Improvement Seminar

ASHRAE SOUND & VIBRATION SEMINAR

DATE: NOVEMBER 9, 1987

PLACE: NEW BRUNSWICK COMMUNITY COLLEGE  
MOUNTAIN ROAD  
MONCTON, N.B.

ROOM: PROJECTION ROOM

SPEAKER: DR. DON ALLEN PH. D., P. ENG.  
PRESIDENT OF VIBRON LIMITED

TOPICS: FUNDAMENTALS OF ACOUSTICS  
UNDERSTANDING NOISE PROPOGATIONS & ACCOUSTIC PROPERTIES  
BEHAVIOUR OF SOUND IN ROOMS  
ANALYSIS OF DUCT-BORNE NOISE & PLENUM DESIGN  
DUCT NOISE BREAK-OUT & BREAK-IN  
SOUND TRANSMISSION THROUGH WALLS, FLOORS & CEILINGS  
DUCT TERMINATION TO A ROOM  
COOLING TOWER NOISE  
DIESEL ENGINE NOISE  
NOISE RADIATED THROUGH LOUVRES IN BUILDINGS  
DEFINITION OF SONES & PHONES

COST: SEMINAR ONLY \$15.00  
SEMINAR, LUNCH (INCLUDING COFFEE BREAKS) \$20.00

CONTACT: MR. GRAHAM FAWCETT @ 858-2446 OR  
MR. GERRY WASELYNCHUK @ 857-8788 FOR RESERVATIONS

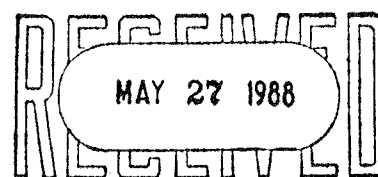
TIME: 9:30AM - 4:30 PM



# "The Herring Choker"



Published by N.B. Chapter ASHRAE, P.O. Box 1413, Moncton, N.B. EIC 8T3



## JUNE LOBSTER PARTY

DATE: June 4, 1988  
TIME: 3:45 to 11:00 P.M.  
MEAL: Lobster & Steak  
PLACE: Cocagne Marina  
ACTIVITIES: Boat Ride  
ESTRAS: Wine & Mussels  
COST: 25.00/person or 50.00/couple  
Cash Bar at Marina  
NOTE: Bus leaving from Eastcan at 4:00 sharp.  
Address: 175 Henri Dunant Street  
Moncton, N. B.  
P. S. It might be wise to bring a sweater  
All members and out of town guests are  
welcome.

COPY

51

BYLAWS OF THE  
NEW BRUNSWICK CHAPTER  
OF THE  
AMERICAN SOCIETY OF HEATING, REFRIGERATING  
AND AIR-CONDITIONING ENGINEERS, INC.

APPROVED BY THE SOCIETY: November 3, 1983  
Updated FEBRUARY, 20, 1988

ARTICLE I - GOVERNMENT

1.1 Governing Instruments. The New Brunswick Chapter (herein "Chapter") of the American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc. (herein "Society") shall be governed by its Constitution and these Bylaws, to the extent not inconsistent with the Certificate of Consolidation, Bylaws, and Rules of the Board of Directors of the Society.

1.2 Interpretation. The Board of Governors shall resolve all questions of interpretation of the Constitution and these Bylaws.

1.3 Rules of Order. Except as otherwise provided in the Constitution or these Bylaws, the conduct of meetings of the members shall be governed by the rules of procedure set forth in "Robert's Rules of Order," as revised.

ARTICLE II - MEMBERSHIP

2.1 Qualification. The membership of the Chapter shall consist of all members of the Society in good standing and residing in the geographic area of the Chapter, as prescribed by the Board of Directors of the Society.

2.2 Non-Residents. Notwithstanding the foregoing, a member of the Society residing in the geographic area of a Chapter may elect to be a member of another Chapter. A member may elect to belong to more than one Chapter.

2.3 Grade. Each member shall hold the same grade of membership in the Chapter as in the Society.

2.4 Rights and Privileges. All Chapter members shall be entitled to the same rights and privileges, except that (a) Affiliates, (b) Student Members, and (c) members who have not paid Chapter fees, dues, assessments or other charges within sixty (60) days of their due date shall not be entitled to voting privileges or the right to election or appointment as an officer, governor, or committee chairman of the Chapter. All rights and privileges of a member are vested solely in the member and may not be delegated or transferred, except as provided in Article III, paragraph 3.7 hereof.

2.5 Suspension. In the event that a member does not pay all the Chapter fees, dues, assessments or other charges within six (6) months of their due date, all rights and privileges of membership in the Chapter shall be suspended. Such membership rights and privileges shall be restored to the member upon full payment thereof. Delinquency in payment of Chapter dues or other Chapter charges will not affect a member's standing in the Society.

2.6 Termination. Membership in the Chapter shall terminate upon the death of any member, the removal of a member's principal place of residence to the geographic area of another Chapter except as provided in Article II, paragraph 2.2 hereof, or the receipt of written notice by the member of termination of membership. In the event of such termination, neither the former member, nor his/her personal representatives, heirs or devisees shall have any right, title or interest in the Chapter or its assets.

2.7 Expulsion. A member may be expelled from the Society and the Chapter only upon action taken by the Board of Directors of the Society. Such action may be initiated by the Board of Governors of the Chapter by the filing of written charges and supporting evidence with the Secretary of the Society.

### ARTICLE III - MEETINGS OF MEMBERS

3.1 Regular Meetings. Meetings of the Chapter shall be held on at least a monthly basis from September through June at such time and place as is prescribed by the Board of Governors.

3.2 Annual Meeting. The annual meeting of the chapter for the installation of officers and the Board of Governors and the announcement of committee appointments shall be held in the month of May at such time and place as is prescribed by the Board of Governors.

3.3 Special Meetings. Special meetings of the Chapter may be called by the President at the President's discretion, or at the request of the Board of Governors or 15 percent of the members with voting rights.

3.4 Notice of Meetings. Timely written notice of all meetings shall be sent by the Secretary to all members setting forth the place, date and hour of the meeting and, in the case of a special meeting, the purpose thereof.

3.5 Quorum. A quorum for the transaction of business at a meeting of the Chapter shall consist of 15 percent of the members having voting rights, except that no business may be transacted unless a majority of the Board of Governors is also in attendance.

3.6 Majority Vote. A majority of the number of votes cast in person or by proxy shall be necessary for the adoption of any matter, except as otherwise provided in the Constitution or these Bylaws.

3.7 Proxies. A member may vote on any matter by a written proxy executed and dated by the member. No proxy shall be valid after ninety (90) days from the date of its execution, unless otherwise provided in the proxy.

#### ARTICLE IV - DUES AND FINANCE

4.1 Society Dues. The annual dues for membership in the Society, as prescribed from time to time by the Society, shall be paid to the Society.

4.2 Chapter Dues. The Board of Governors, in its discretion and subject to the approval by a vote of members, may levy such dues, fees, charges or other assessments as are reasonable and necessary to meet the current operating expenses of the Chapter. The due date of such payments shall be as prescribed by the Board of Governors.

4.3 Fiscal Year. The fiscal year of the Chapter shall end on June 30th of each year.

#### ARTICLE V - BOARD OF GOVERNORS

5.1 Duties. The property and affairs of the Chapter shall be managed by the Board of Governors. The Board of Governors may execute all business of the Chapter that does not require action by the full membership of the Chapter. The presiding officer shall report briefly on these actions at the next Chapter meeting.

5.2 Composition. The Board of Governors of the Chapter shall consist of the officers, the most recent past president, and three (3) members elected pursuant to Article VII hereof.

5.3 Meetings. The time and place of regular meetings of the Board of Governors shall be at the discretion of the Board. A special meeting of the Board of Governors may be called by the President, at the President's discretion, or at the written request of two (2) members of the Board.

5.4 Quorum and Majority Vote. A quorum for the transaction of business shall consist of a majority of the Board present in person, and the majority vote of the members present in person or by proxy shall be necessary for the adoption of any matter, except as otherwise provided in the Constitution or these Bylaws. The form of proxies shall be governed by Article III, paragraph 3.7 hereof.

5.5 Notice of Meetings. Timely written notice of all meetings shall be sent by the Secretary to all members setting forth the place, date and hour of the meeting and, in the case of a special meeting, the purpose thereof.

5.6 Appointments to Auditing Committee. The Board of Governors-elect shall appoint members to the Auditing Committee, pursuant to paragraph 8.3.6 hereof, at a special meeting of the Board of Governors-elect held prior to the annual meeting of the Chapter. Appointments shall be announced at such annual meeting.

#### ARTICLE VI - OFFICERS

6.1 Titles. The officers of the Chapter shall be a President, a President-Elect, a Secretary and a Treasurer.

6.2 Multiple Offices. With the exception of the office of President, any number of offices may be held by the same member.

6.3 The President. The President shall be the chief executive officer of the Chapter and shall have general direction of the affairs of the Chapter and general supervision over its several officers, subject however, to the control of the Board of Governors. The President shall, from time to time, report to the members and to the Board all matters within the President's knowledge which the interest of the Chapter may require to be brought to the Chapter's notice; shall preside at all meetings of the members and at all meetings of the Board; shall sign and execute in the name of the Chapter all contracts, or other instruments authorized by the Board, except in cases where the signing and execution thereof shall be expressly delegated or permitted by the Board or by these Bylaws to some other officer or agent of the Chapter.

6.4 The President-Elect. The President-Elect shall automatically succeed to the office of the President at the conclusion of the President's term of office. In the absence of the President, the President-Elect shall exercise the powers and perform the duties of the President. In addition, the President-Elect shall make the committee chairmen appointments sufficiently far in advance of the Chapters Regional Conference as to permit attendance by the appointees at CRC workshops in the period prior to appointee's active participation as chairmen of the Chapter Committees. Chairmen designees of such committees as Education and Chapter Programs, Energy and Technical Affairs, Membership Promotion, and Research Promotion should be especially encouraged to attend CRC meetings. Prior to the annual meeting, the President-Elect shall complete the appointments by naming at least two (2) committee members to each of the standing committees of the Chapter.

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If the President dies, resigns, or is removed from office, the President-Elect shall immediately become President and shall serve for the remainder of the term of the immediate predecessor. If the time served by the President-Elect as President is less than six months, he/she shall continue to serve as President for the next Society year; therefore the office of President-Elect shall remain vacant until the next annual chapter election. If the President-Elect dies, resigns, is removed from office, or becomes President for more than six months in accordance with the foregoing provisions, a special election shall be held to fill the vacancy.

6.5 The Secretary. The Secretary shall send notices of meetings to the members and to the Board of Governors as prescribed in these Bylaws, and to Committee Chairmen as requested by the President. The Secretary shall keep the minutes of the meetings of the Chapter and of the Board of Governors and shall promptly file a copy of the minutes of each meeting of the Chapter with the Secretary of the Society, the Editor of the Society Journal, and the Regional Chairman, and shall send advance notices and minutes of meetings of the Board of Governors to the Regional Chairman. The Secretary shall maintain a membership roster, a roll of membership attendance, and such books, papers, and records as the Chapter or Board of Governors may direct, which shall be open to the inspection of any member of the Board of Governors. The Secretary shall promptly notify members of their nomination, election, or appointment to office.

6.6 The Treasurer. The Treasurer shall receive all funds, including dues, fees, charges and other assessments, and shall deposit such funds in the name of the Chapter in banks or other depositories. The Treasurer shall disburse funds only as authorized by the Chapter's Board of Governors and shall keep appropriate records of receipts and expenses and shall exhibit such records at all reasonable times to any member of the Board of Governors. The Treasurer shall make a full financial report at the annual meeting of the Chapter, a copy of which shall be forwarded to the Regional Chairman. In addition, in the absence of contrary written instructions from the Society, the Treasurer shall complete, execute and file any statements or returns incidental to federal or local taxation.

6.7 Additional Duties. All officers shall perform all duties incident to their respective offices and such other duties as are prescribed by these Bylaws or as are assigned by the Board of Governors.

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ARTICLE VII - NOMINATIONS, ELECTIONS,  
VACANCIES, AND REMOVAL

7.1 Eligibility for Re-election. Officers and Board members are elected for one-year terms, but may be re-elected to consecutive terms. The president may be re-elected to the same office for one additional consecutive term. If the president is re-elected for an additional consecutive term, the president-elect will also need to be re-elected in accordance with the election procedure set forth in Section VII.

7.2 Duties of Nominating Committee. The Nominating Committee shall select from the members eligible to hold office one candidate for each office except President, and for each member to be elected to the Board of Governors and shall obtain from each candidate a written statement that the candidate is a member in good standing in the Society and consents to stand for election. Not less than thirty (30) days before the March meeting the Nominating Committee shall present to the Secretary the names of the candidates selected, together with their statements.

7.3 Duties of Secretary. Upon receipt of these names from the Nominating Committee, the Secretary shall prepare a list of the candidates and shall forward such list to all members with voting rights at least ten (10) days prior to such meeting.

7.4 Nomination by Members. Additional nominations of members in good standing who consent orally or in writing to be candidates, may be made from the floor at such meeting. If at this meeting more than one such nomination from the floor is made for any one office or membership on the Board of Governors, a vote shall be taken to select the name of the opposition candidate to be placed on the ballot.

7.5 Voting and Election. Not less than ten (10) days prior to the next meeting, the Secretary shall send a mail ballot, in the case of elections by mail, or a proxy statement, in the case of elections at meetings, to all members with voting rights. In the case of elections at meetings, the President shall appoint three (3) tellers to assist in conducting the election. The Board of Governors or the tellers, if any, shall promptly tally all votes. The candidate receiving a majority of the votes cast for each respective office shall be declared elected. If there is a tie vote, there shall be a run-off election.

7.6 Installation. Officers and members of the Board of Governors shall be installed and shall assume their duties at the annual meeting of the Chapter, as prescribed in Article III, paragraph 3.2 hereof, to serve until their successors are installed.

7.7 Vacancies. Whenever there shall be a vacancy in any office or on the Board of Governors by resignation or otherwise, except in the office of President-Elect, the Board of Governors shall have the power to fill such office until the next annual election and installation, and such officer shall have the duties, rights, and privileges of the predecessor. A vacancy in the office of President-Elect shall be handled in accordance with Article VI, paragraph 6.4.

7.8 Removal. Any officer or member of the Board of Governors may be removed by a 2/3 vote of voting members present at a regular meeting, whenever in the judgment of the members, the best interests of the Chapter will be served thereby. The notice of this Chapter meeting shall contain the statement that an item of importance to the Chapter will be presented for action.

#### ARTICLE VIII - COMMITTEES

8.1 General. All Chapter Committees shall be designated as Standing Committees or Special Committees. Standing Committees are mandatory and are of a continuing nature, while Special Committees are created for a specific purpose and may be dissolved when their functions have been completed.

8.2 Appointments. Except as noted herein, all Standing Committee members and respective Chairmen thereof shall be appointed by the President-Elect pursuant to Article 6.4.

8.3 Standing Committees. Standing Committees are mandatory and are broken into two categories: those tied into the CRC and those essential to the Chapter operation. (a) Committees tied into the CRC are the CRC Action, Education and Chapter Programs, Energy and Technical Affairs, Membership Promotion, and Research Promotion. (b) Committees essential to the Chapter operation are Auditing, Nominating, Program, Reception, Publicity, Attendance, Publication or Newsletter, and Historical. The duties and functions of each Standing Committee (several of which may be combined under a single chairman) are as follows:

8.3.1 CRC Action Committee. The CRC Action Committee shall determine major items of concern to the Chapter, obtain biographies on possible candidates for Society offices, committees and for various Regional and Society honors and awards, provide direction to the delegate and alternate delegate on actions to be presented on the Chapter's behalf at the CRC, and encourage the Chairmen of the Education and Chapter Programs, Energy and Technical Affairs, Membership Promotion, and Research Promotion Committees to attend the CRC. The Chairman of this Committee should be a past president of the Chapter.

8.3.2 Education and Chapter Programs Committee. The Education and Chapter Programs Committee shall encourage the continuing education of the members in the sciences of heating, refrigeration and air-conditioning; shall, in conjunction with the Program Committee and Research Promotion Committee, arrange for presentations on current developments in these and related sciences; and shall arrange for Chapter participation in continuing education courses and related activities. The Chairman of this Committee, or a designated substitute, is expected to attend the CRC Meeting.

8.3.3 Energy and Technical Affairs Committee. The Energy and Technical Affairs Committee shall promote the continuing education of the members in energy conservation measures and activities adopted by the Society, and encourage new energy management designs by members, and the submittal of written reports on those designs for consideration in Regional and Society energy awards competition. The Chairman of this Committee, or a designated substitute, is expected to attend the CRC Meeting.

8.3.4 Membership Promotion Committee. The Membership Promotion Committee shall encourage applications by persons qualified for membership in the Society; shall encourage increased member participation in Chapter affairs; and shall encourage members to advance in their membership grade in the Society. The Chairman of this Committee, or a designated substitute, is expected to attend the CRC Meeting.

8.3.5 Research Promotion Committee. The Research Promotion Committee shall promote the research activities of the Society by conducting an annual campaign to obtain investments in ASHRAE Research, and shall encourage original and independent research by the members in the sciences of heating, refrigeration and air-conditioning, and in conjunction with the Program Committee, shall encourage lectures, demonstrations and discussions on technical topics of interest for presentation at Chapter meetings. The Chairman of this Committee, or a designated substitute, is required to attend the CRC Meeting and Special Regional Committee Meeting when called by Regional Vice Chairman for Research Promotion.

8.3.6 Auditing Committee. The Auditing Committee shall consist of three (3) members, none of whom shall be members of the Board of Governors. The Committee shall be appointed by the Board and shall elect its own chairman.

8.3.7 Nominating Committee. The Nominating Committee shall consist of five (5) members in good standing. One member of the Board of Governors may serve on the Nominating Committee, but not as its chairman. The Committee shall be elected by the Chapter at the January meeting. At the preceding meeting, the Board of Governors shall submit to the members their nominations for the committee. Additional nominations may be made by members from the floor at said meeting. Nominees receiving the five highest number of votes shall

be elected. In the case of a tie, there shall be a runoff election which shall be held at the same meeting. The Nominating Committee shall elect its own chairman.

8.3.8 Program Committee. The Program Committee, in conjunction with the Board of Governors and all other committees, shall arrange programs for the meeting of the Chapter.

8.3.9 Reception Committee. The Reception Committee shall encourage fellowship among members; and shall extend cordial greetings to guests and new members of the Society.

8.3.10 Publicity Committee. The Publicity Committee shall publicize the name, purposes and activities of the Chapter in an effort to obtain qualified members; shall report Chapter activities of public interest to the news media.

8.3.11 Attendance Committee. The Attendance Committee shall be responsible for contacting each member of the Chapter prior to each scheduled meeting or event to ensure that they have received notice of that meeting or event, and to ascertain the expected attendance.

8.3.12 Publications or Newsletter Committee. The Publications Committee shall obtain news of interest to the Chapter members and supervise the publishing of the Chapter newsletter.

8.3.13 Historical Committee. The Historical Committee shall collect and safeguard facts, photographs, records and other memorabilia pertinent to the history of the Chapter.

8.3.14 Special Events Committee. The Special Events Committee shall handle the arrangements for any special events to be sponsored by the Chapter, or for other events to which the Chapter membership has been invited.

8.4 Other Committees. Additional committees shall be termed as Special Committees and may be appointed at any time by the President, with the advice and approval of the Board of Governors, and shall be announced at the next meeting of the Chapter.

8.5 Vacancies. Whenever any member refuses an appointment to a committee or whenever there is a vacancy on any committee by resignation or otherwise, the President shall, with the advice and approval of the Board of Governors, appoint another member to such committee.

8.6 Removal. Any committee member appointed or elected may be removed by the person or persons authorized to appoint or elect such member whenever, in their judgment, the best interests of the Chapter will be served thereby, except that the President shall remove a member only with the advice and approval of the Board of Governors.

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8.7 Attendance at Board Meetings. Committee Chairmen shall attend the meetings of the Board of Governors when so requested by the presiding officer, but shall not be entitled to voting rights at such meetings.

#### ARTICLE IX - CHAPTERS REGIONAL COMMITTEE

9.1 Election of Delegates. The Board of Governors-elect shall elect from among its members one delegate and one alternate to the Chapter Regional Committee. At least one of said delegates shall be an officer-elect of the Chapter. The delegates shall be announced at the annual meeting of the Chapter. The names of such delegates shall be certified in writing by the Secretary to the Secretary of the Society and the Regional Chairman by the first day of the following June.

9.2 Term. The delegate and alternate delegate shall serve for a term of one (1) year, commencing on the first day of June following their election. No member may be elected to serve as the delegate for more than two (2) consecutive terms; no member may be elected to serve as the alternate delegate for more than two (2) consecutive terms; and no member may be elected to serve in either capacity for more than four (4) consecutive terms.

9.3 Duties. The duties of the delegate and alternate delegate shall be as prescribed from time to time by the Society. They shall transmit recommendations concerning policies, procedures, and operations of the Society, its Chapter and its Student Branches to the Regional Chairman in advance of the Chapters Regional Committee Meeting; shall attend such meeting; shall suggest candidates for the Board of Directors of the Society, Society committees, and miscellaneous Society honors and awards; shall participate in the election of one (1) member and one (1) alternate member to serve on the Society Nominating Committee; and shall report to the Board of Governors of the Chapter regarding the business transacted at the Chapters Regional Committee Meeting, together with any recommendations for Chapter action.

9.4 Vacancies and Removal. Whenever either delegate is unable to fulfill this office, the Board of Governors shall appoint another delegate. Either delegate may be removed by the Board of Governors whenever, in its judgement, the best interests of the Chapter will be served thereby.

ARTICLE X - AMENDMENTS

10.1 Powers and Limitations. All Articles of these Bylaws shall be subject to alteration or repeal, consistent with the Certificate of Consolidation, Bylaws, and Rules of the Board of Directors of the Society and Section 149 (1) of the Canadian Income Tax Act of 1971, as amended, or corresponding provisions of any subsequent federal tax laws.

10.2 By Society. Amendments to these Bylaws set forth in written directives of the Secretary of the Society may be adopted by a majority of the Board of Governors. Written copies of said amendments shall be sent by the Secretary to all members, or an officer of the Chapter shall read said amendments at the next succeeding meeting.

10.3 By Chapter. Amendments to these Bylaws may also be initiated by a written resolution of a majority of the Board of Governors or of not less than five (5) members in good standing with voting privileges, presented at any meeting of the Chapter. If approved by a majority of the members present, the Secretary shall mail copies of the proposed amendments to all members not less than seven (7) days before the next succeeding meeting. If approved by a two-thirds (2/3) vote at such meeting, the Secretary shall forward such amendments to the Secretary of the Society for approval by the Charter and Bylaws Committee of the Society, and review by the Regional Chairman. Any amendments shall become effective only upon receipt of written notice of approval by the Charter and Bylaws Committee of the Society.

ARTICLE XI - ADOPTION

These Bylaws shall be completed and adopted by a majority of the Board of Governors. Written copies of said Bylaws shall be sent by the Secretary to all members and shall be sent, as amended, to such persons as shall, from time to time, become members of the Chapter.

Adopted by the New Brunswick Chapter:

February 19, 1989  
Date

Gerry P. Wassilychuk  
Chapter President

88-11-03/gfc  
2898A/0136A

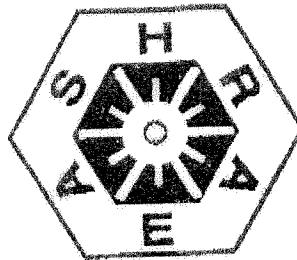
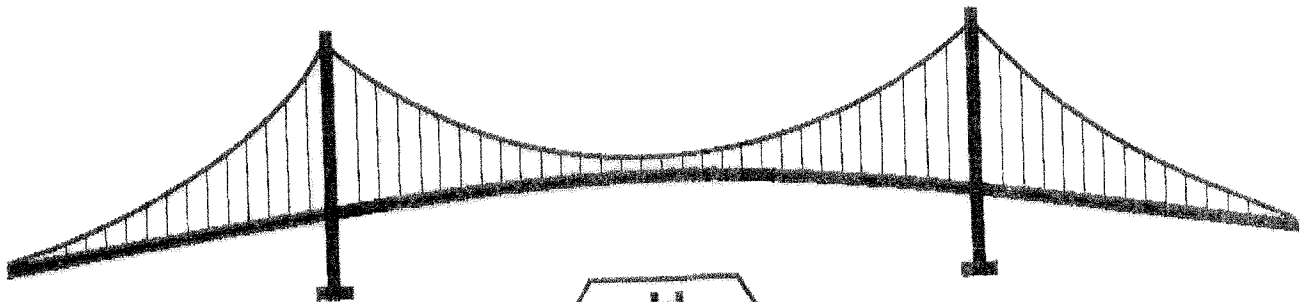
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**ASHRAE NB/PEI 1991/1991**

**WHO'S WHO**

<u>NAME</u>	<u>POSITION(S)</u>	<u>PHONE No.</u>	<u>FAX</u>
Brien Storey	President	858-8850	388-3235
Derrick Palmer	President-Elect	858-0808	858-9809
Allyre Gallant	Vice President, Refrigeration Chairman	857-2233	856-9981
Rod Collins	Secretary Treasurer, Historian	387-7576	387-8100
Gary Fahie	Board of Governors, Phone Committee, ASHRAE Representative of Meet 1992, Past President	857-4887	857-4989
Graham Fawcett	Board of Governors, Education Activities Chairman	856-2665	858-2496
Paul Stockton	Board of Governors, Phone Committee	857-8708	857-8989
Lee Macleod	Board of Governors, Editor of Herring Choker	387-3083	387-3089
Claude Gallant	Board of Governors	576-6672	576-9838
Bruce Slein	Board of Governors	1-634-1640	1-634-7233
Irwin MacDonald	Membership Promotion Chairman	856-8408	
Jerry Waselynychuck	Energy & Technical Activities Chairman, Phone Committee	857-8788	857-9890
Gary Hoadley	Program Committee	858-1300	858-1906
ASHRAE Address	P.O. Box 1413, Moncton, N.B., E1C 8T3		

*Welcome to*  
**ASHRAE**



**REGION II**  
**CRC 1991**

*August 21-24*

**WINDSOR, ONTARIO**

NB/PEI  
ASHRAE 9/92

ENCLOSED PLEASE FIND THE FOLLOWING INFORMATION.

- (1) ~~9/92~~ NB/PEI ASHRAE BOARD - PHONE NUMBERS, FAXES & ADDRESSES
- (2) CRC SEMINAR INFORMATION AND COSTS. - WINDSOR AUG 21 to AUG 22
- (3) WINDSOR HILTON COSTS.
- (4) AIRLINE FLIGHT INFORMATION.
- (5) PRELIMINARY/PARTIAL

OUR ASHRAE MEETING IS SCHEDULED FOR JUNE 25, TUESDAY  
7:00 P.M.

THE AGENDA FOR THIS MEETING IS TO

- (1) FINALIZE NAMES & <sup>FINANCING</sup> ~~FINANCING~~ FOR CRC 91.
- (2) DISCUSS ASHRAE GOLF TOURNAMENT SEPT 91.
- (3) DISCUSS FORMATION OF COMMITTEE TO ASSIST GARY HOADLEY  
IN PROGRAMMING & FOR UPCOMING MEETINGS.
- (4) DISCUSS LOCATION OF WHERE OUR MONTHLY ASHRAE  
MEETINGS WILL BE HELD. FOR 91/92.

WITH REGARD TO CRC PLEASE REVIEW THE ENCLOSED INFORMATION  
PRIOR TO THIS MEETING. <sup>PLEASE</sup> ~~AND~~ ADVISE <sup>AME.</sup> BY PHONE IF YOU  
PLAN TO ATTEND CRC IF YOU ARE UNABLE TO ATTEND.  
THIS MEETING. THANK YOU.

B. Storey

# ASHRAE CHAPTER INFORMATION QUESTIONNAIRE

Complete and mail to Headquarters, ASHRAE, 1791 Tullie Circle, N.E., Atlanta, Georgia, 30329, Telephone: (404) 638-8400, with a copy to your Regional Chairman. Addresses should be the same as used for other Society mailings, including your Journal, Handbook and miscellaneous mailings. Please notify Headquarters and Regional Chairman promptly of questionnaire changes.

CHAPTER OFFICERS must not use nicknames; must include area code when listing phone numbers and must list member number (#). CHAPTER OFFICERS MUST BE MEMBERS OF SOCIETY IN GOOD STANDING WITH THE GRADE OF ASSOCIATE MEMBER OR HIGHER.

CHAPTER N.B./P.E.I. # 117 REGION 2 SOCIETY YEAR 91/92

## PRESIDENT

Name Brien D. Storey # 2013707  
Address P.O. Box 728  
Moncton, N. B.  
Canada E1C 8M9  
Business # (506) 858-8850  
FAX # (506) 388-3235

## PRESIDENT-ELECT

Name Derrick L. Palmer # 2047861  
Address 44 Chandler Crescent  
Moncton, N. B.  
Canada E1E 3W7  
Business # (506) 858-0808  
FAX # (506) 858-9809

## VICE PRESIDENT

Name Alyre Gallant # 2002157  
Address 154 Hazen Drive  
Moncton, N. B.  
Canada E1C 4K3  
Business # (506) 857-2233  
FAX # (506) 856-9981

## SECRETARY

Name Roderic J. Collins # 5016746  
Address 735 Hillsborough Road  
Riverview, N. B.  
Canada E1B 3W1  
Business # (506) 387-7576  
FAX # (506) 387-8100

## TREASURER

Name Andrew F. Cowan # 3034858  
Address 373 Baig Blvd.  
Moncton, N. B.  
Canada E1E 4H8  
Business # (506) 857-8126  
FAX # (506) 853-7413

## OTHER (Title)

Name \_\_\_\_\_ # \_\_\_\_\_  
Address \_\_\_\_\_  
Business # ( ) \_\_\_\_\_  
FAX # \_\_\_\_\_

## CHAPTER BOARD OF GOVERNORS

Name Gary D. Fahie # 2039472  
Address 71 Victoria Street  
Moncton, N. B.  
Canada E1C 1P5  
Business # (506) 857-4887  
FAX # (506) 857-4989

Name Paul E. Stockton # 5017446  
Address 50 Cameron Street  
Moncton, N. B.  
Canada E1C 5Y4  
Business # (506) 857-8708  
FAX # (506) 857-8989

Name Graham R. Fawcett # 2034387  
Address 125 Harvey Road  
Riverview, N. B.  
Canada E1B 2K2  
Business # (506) 856-2267  
FAX # (506) 856-2665

Name John L. MacLeod # 0455455  
Address 106 Hillsborough Road  
Riverview, N. B.  
Canada E1B 1R3  
Business # (506) 387-3083  
FAX # (506) 387-3089

## CRC DELEGATE

Name Derrick L. Palmer # 2047861  
 Address 44 Chandler Crescent  
Moncton, N. B.  
Canada E1E 3W7  
 Business # (506) 858-0808  
 FAX # (506) 858-9809

MEMBERSHIP PROMOTION COMMITTEE  
CHAIRMAN

Name Irwin C. MacDonald # 2000774  
 Address 169 Pacific Avenue  
Moncton, N. B.  
Canada E1E 2B4  
 Business # (506) 857-1675  
 FAX # (506) 857-1679

EDUCATIONAL ACTIVITIES COMMITTEE  
CHAIRMAN

Name Graham R. Fawcett # 2034387  
 Address 125 Harvey Road  
Riverview, N. B.  
Canada E1B 2K2  
 Business # (506) 384-4507  
 FAX # \_\_\_\_\_

PROGRAM COMMITTEE  
CHAIRMAN

Name Gary R. Hoadley # 0327024  
 Address 85 Bonaccord Street  
Moncton, N. B.  
Canada E1C 5K8  
 Business # (506) 858-1300  
 FAX # (506) 858-1906

## HISTORIAN

Name Roderic J. Collins # 5016746  
 Address 735 Hillsborough Road  
Riverview, N. B.  
Canada E1B 3W1  
 Business # (506) 387-7516  
 FAX # (506) 387-8100

## REFRIGERATION CHAIRMAN

Name Alvyn Gallant # 2002157  
 Address 154 Hazen Drive  
Moncton, N. B.  
Canada E1C 4K3  
 Business # (506) 857-2233  
 FAX # (506) 856-9981

## MEETING DATES FOR THE UPCOMING SOCIETY FISCAL YEAR

July \_\_\_\_\_  
 August \_\_\_\_\_  
 September 10/91

October 8/91  
 November 12/91  
 December 10/91

January 14/91  
 February 11/91  
 March 10/91

April 14/91  
 May 12/91  
 June \_\_\_\_\_

Regular Meeting Location \_\_\_\_\_

## CRO ALTERNATE

Name Roderic J. Collins # 501674  
 Address 735 Hillsborough Road  
Riverview, N. B.  
Canada E1B 3W1  
 Business # (506) 387-7576  
 FAX # (506) 387-8100

RESEARCH PROMOTION COMMITTEE  
CHAIRMAN

Name Gary D. Fahie # 20394  
 Address 71 Victoria Street  
Moncton, N. B.  
Canada E1C 1P5  
 Business # (506) 857-4887  
 FAX # (506) 857-4989

ENERGY & TECHNICAL ACTIVITIES  
COMMITTEE CHAIRMAN

Name Gerald P. Waselynychuk # 20391  
 Address 120 Rideout Street  
Moncton, N. B.  
Canada E1E 1E2  
 Business # (506) 857-8788  
 FAX # (506) 857-9890

GOVERNMENT AFFAIRS COMMITTEE  
CHAIRMAN

Name \_\_\_\_\_ # \_\_\_\_\_  
 Address \_\_\_\_\_  
 Business # ( ) \_\_\_\_\_  
 FAX # \_\_\_\_\_

## NEWSLETTER EDITOR

Name \_\_\_\_\_ # \_\_\_\_\_  
 Address \_\_\_\_\_  
 Business # ( ) \_\_\_\_\_  
 FAX # \_\_\_\_\_

## OTHER (Title) \_\_\_\_\_

Name \_\_\_\_\_ # \_\_\_\_\_  
 Address \_\_\_\_\_  
 Business # ( ) \_\_\_\_\_  
 FAX # \_\_\_\_\_

ASHRAE REGION II CRC '91 - PROGRAM OF EVENTS

Revision No. 6

HILTON INTERNATIONAL  
WINDSOR, ONTARIO CANADA

DATE: 10-Jun-91

<u>TIME</u>	<u>EVENT</u>	<u>LOCATION</u>	<u>GUESTS</u>
<u>WEDNESDAY 21-Aug-91</u>			
17:00 - 22:00	REGISTRATION	2nd FLOOR LOBBY	:
20:00 - 22:00	OFFICAL WELCOME & CRC ORIENTATION	ONTARIO ROOM	COCKTAIL ALL GUESTS
22:00 - ?	HOSPITALITY SUITE	ROOM - TBA	:
<u>THURSDAY 22-Aug-91</u>			
07:00 - 18:00	REGISTRATION	2nd FLOOR LOBBY	
07:00 - 08:00	PRE-CAUCUS BREAKFAST	ONTARIO ROOM	DEL / ALT 40
08:00 - 10:00	CAUCUS MEETING	ERIE/HURON ROOMS	DEL / ALT 30
10:00 - 10:15	COFFEE BREAK	2nd FLOOR LOBBY	40
10:15 - 12:00	FIRST BUSINESS SESSION	ERIE/HURON ROOMS	36
12:00 - 13:30	BUSINESS LUNCH	ONTARIO ROOM	CASH BAR 50
13:30 - 15:30	SECOND BUSINESS SESSION	ERIE/HURON ROOMS	40
15:30 - 15:45	COFFEE BREAK	2nd FLOOR LOBBY	40
15:45 - 18:00	CHAPTER ORIENTATION WORKSHO	RIVER RUNNER ROOM	ALL GUEST 40
18:30 - 19:30	COCKTAILS	ONTARIO / ERIE ROOM	CASH BAR 75
19:30 - 01:00	REGIONAL AWARDS BANQUET	ONTARIO / ERIE ROOM	CASH BAR 75
23:00 - ?	HOSPITALITY SUITE	ROOM - TBA	ALL GUESTS
<u>FRIDAY 23-Aug-91</u>			
08:00 - 18:00	REGISTRATION	2nd FLOOR LOBBY	
08:00 - 12:00	TECHNICAL SESSION (TOUR)	Chrysler Mini-Van Plant	ALL GUESTS
12:00 - 14:00	PRESIDENT LUNCHEON	ONTARIO ROOM	CASH BAR 75
14:00 - 15:30	THIRD BUSINESS SESSION	ERIE/HURON ROOMS	50
15:30 - 17:30	EXECUTIVE SESSION	ERIE/HURON ROOMS	DEL / ALT 30
17:30 - ?	DINNER @ RESTAURANT OF YOUR CHOICE		
21:00 - ?	HOSPITALITY SUITE	ROOM - TBA	ALL GUESTS
<u>SATURDAY 24-Aug-91</u>			
07:00 - 16:00	REGISTRATION	2nd FLOOR LOBBY	
07:00 - 08:00	ANNUAL MTG RESEARCH CANADA	HURON ROOM	1 DELICHA 15
08:00 - 12:30	<u>WORKSHOPS</u>		
	- RESEARCH & PROMOTION	HURON ROOM	20
	- MEMBERSHIP	ERIE ROOM	20
	- REFRIGERATION	ROOM 313	20
	- EDUCATION & CHAPTER PROGRAMS	ROOM 2105	20
	- ENERGY & TECHNICAL ACTIVITIES	ONTARIO ROOM	20
	- HISTORIAN	ROOM 309	10
10:30 - 10:45	COFFEE BREAK	2nd FLOOR LOBBY	50
12:30 - 13:30	LUNCH ON YOUR OWN		
13:30 - 15:00	CLOSING, SUMMARY & ADJOURMEN	HURON ROOM	40

AVAILABLE PACKAGES	FULL REGISTRATION		PARTIAL REGISTRATION
	DELEGATES	COMPANION	
<b>COMPLETE REGISTRATION</b> Before July 21, 1991 After July 21, 1991	165.00 (A) 180.00 (B)		
<b>SPECIAL COMPLETE REGISTRATION</b> Delegate and Companion Before July 21, 1991 After July 21, 1991	220.00 (C) 250.00 (D)		
<b>HOST RECEPTION &amp; REGISTRATION</b>	Inc.	Inc.	* 20.00 (E)
<b>THURSDAY LUNCH</b>	Inc.	Inc.	✓ 25.00 (F)
<b>THURSDAY DINNER &amp; ENTERTAINMENT</b>	Inc.	Inc.	100.00 (G)
<b>FRIDAY PRESIDENTIAL LUNCH</b>	Inc.	Inc.	30.00 (H)
<b>TECHNICAL SESSION</b>	Inc.	N/A	5.00 (I)
<b>COMPANION'S TOUR</b>	N/A	Inc.	20.00 (J)

IF GROUND TRANSPORTATION REQUIRED FROM AIRPORT PLEASE INDICATE

E.T.A. \_\_\_\_\_, CARRIER \_\_\_\_\_, FLIGHT \_\_\_\_\_

*Hotel Reservations and travel arrangements are your responsibility.  
Consult your travel agent for transportation.*

For Hotel Reservations

CALL:

**WINDSOR HILTON**

277 RIVERSIDE DR. W.

WINDSOR, ONTARIO

TELEPHONE (519) 973-5555

FAX (519) 973-1600

MENTION THE ASHRAE REGION II CRC FOR YOUR SPECIAL DISCOUNT

## REGISTRATION APPLICATION REGION II CRC - Windsor 1991

<b>LAST NAME</b>	<b>FIRST NAME</b>
<b>TITLE AND COMPANY</b>	
<b>HOME CHAPTER</b>	
<b>ADDRESS</b>	
<b>CITY</b>	<b>PROVINCE</b>
<b>POSTAL CODE</b>	<b>TELEPHONE NO.</b> (    ) <b>FAX NO.</b> (    )
<b>COMPANION'S NAME</b>	

Please return complete registration application and your cheque before JULY 21, 1991

**ASHRAE REGION II**  
University of Windsor  
401 Sunset Ave.  
Dept. of Mechanical Engineering  
Windsor, Ontario  
N9B 3P4  
Attn: T. W. McDonald  
Tel: (519) 253-4232 Ext. 2623  
Fax: (519) 973-7062

### PACKAGES (see page 3)

A	<input type="checkbox"/>	G	<input type="checkbox"/>
B	<input type="checkbox"/>	H	<input type="checkbox"/>
C	<input type="checkbox"/>	I	<input type="checkbox"/>
D	<input type="checkbox"/>	J	<input type="checkbox"/>
E	<input type="checkbox"/>		
F	<input type="checkbox"/>		

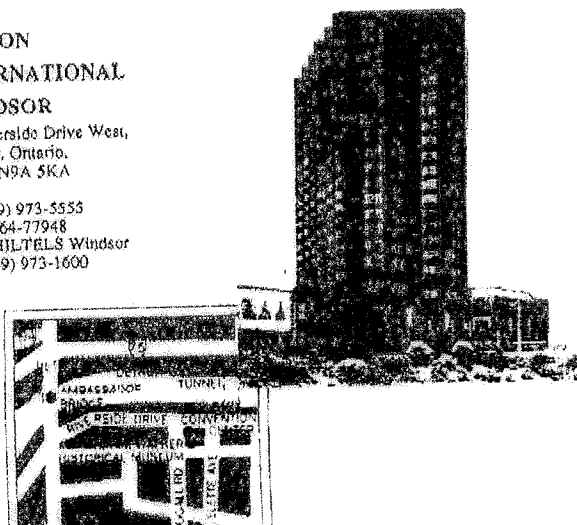
**TOTAL AMOUNT \$** \_\_\_\_\_

## CANADA WINDSOR, ONTARIO

### HILTON INTERNATIONAL WINDSOR

277 Riverside Drive West,  
Windsor, Ontario,  
Canada N9A 5K4

Tel: (519) 973-5555  
Telex: 164-77948  
Cable: HILTELS Windsor  
Fax: (519) 973-1600



### LOCATION

Overlooking Dieppe Gardens and Detroit River, with views of the Detroit skyline. Adjacent to the Cleary Convention Center. Downtown location close to museums, galleries and shopping.

### LOCAL INFORMATION

10km from Windsor Airport,  
38km from Detroit  
Metropolitan Airport.  
Railway station 8 minutes,  
bus terminal 5 minutes.

### Local Attractions:

City sightseeing historical buildings and parks.

### FACILITIES

- Valet parking
- Park Terrace Restaurant and Lounge
- River Runner Bar and Grill - pub style
- 304 rooms with TV, air-conditioning, telephone, minibar
- Executive Floors
- Suites available
- Facilities for the disabled
- Swimming pool, whirlpool, saunas, exercise equipment
- Typing, telex, photocopying, facsimile and secretarial services
- Golf, horse riding, tennis,

ASHRAE REGION II CRC '91 - COMPANION PROGRAM

Revision No. 6

HILTON INTERNATIONAL  
WINDSOR, ONTARIO CANADA

DATE: 10-Jun-91

<u>TIME</u>	<u>EVENT</u>	<u>LOCATION</u>	<u>GUESTS</u>
<u>WEDNESDAY 21-Aug-91</u>			
17:00 - 22:00	REGISTRATION	2nd FLOOR LOBBY	:
20:00 - 22:00	OFFICAL WELCOME & CRC ORIENTATION	ONTARIO ROOM	COCKTAIL ALL GUESTS
22:00 - ?	HOSPITALITY SUITE	ROOM - TBA	:
<u>THURSDAY 22-Aug-91</u>			
08:00 - 18:00	REGISTRATION	2nd FLOOR LOBBY	
08:30 - 12:00	-----LADIES EVENT # 1-----		
12:00 - 13:30	----LUNCH AT THE NAVY YARD RESTAURANT----		
13:30 - 16:30	-----LADIES EVENT # 1-----		
18:30 - 19:30	COCKTAILS	ONTARIO / ERIE ROOM	CASH BAR
19:30 - 01:00	REGIONAL AWARDS BANQUET	ONTARIO / ERIE ROOM	CASH BAR
21:00 - ?	HOSPITALITY SUITE	ROOM - TBA	ALL GUESTS
<u>FRIDAY 23-Aug-91</u>			
08:00 - 18:00	REGISTRATION	2nd FLOOR LOBBY	
08:00 - 12:00	TECHNICAL SESSION (TOUR)	Chrysler Mini-Van Plant	ALL GUESTS
12:00 - 14:00	PRESIDENT LUNCHEON	ONTARIO ROOM	CASH BAR
14:00 - 17:30	-----FREE TIME-----		
17:30 - ?	DINNER @ RESTAURANT OF YOUR CHOICE		
21:00 - ?	HOSPITALITY SUITE	ROOM - TBA	ALL GUESTS
<u>SATURDAY 24-Aug-91</u>			
08:00 - 16:00	REGISTRATION	2nd FLOOR LOBBY	
09:30 - 12:30	-----FREE TIME-----		
12:30 - 13:30	-----FREE TIME-----		
13:30 - 15:00	CLOSING, SUMMARY & ADJOURMEN	HURON ROOM	

ASHRAE REGION II CRC '91 - REGISTRATION

Revision No. 4

HILTON INTERNATIONAL  
WINDSOR, ONTARIO CANADA

DATE: 10-Jun-91

REGISTRATION PACKAGEEARLYLATE \*

Package ( Member)	\$165.00	\$180.00
Package ( Spouse)	\$90.00	\$100.00
Package ( Spouse / Member)	\$220.00	\$250.00

PARTIAL COSTS

HOST RECEPTION & REGISTRATION	\$20.00	\$20.00
THURSDAY PRE-CAUCUS BREAKFAST	\$10.00	\$12.00
THURSDAY LUNCH	\$25.00	\$25.00
THURSDAY DINNER & ENTERTAINMENT	\$100.00	\$100.00
FRIDAY PRESIDENTIAL LUNCH	\$30.00	\$30.00
TECHNICAL SESSION	\$5.00	\$5.00
LADIES EVENTS - ***** 1 *****	\$15.00	\$20.00

\* Late Registration applies after July 21, 1991



UNIVERSITÉ  
DE MONCTON

Développement universitaire

August 22, 1991

Mr. Brien D. Storey, P. Eng.  
President  
ASHRAE NB/PEI Chapter  
P. O. Box 1413  
Moncton, NB  
E1C 8T3

Dear Mr. Storey:

You will find enclosed a signed copy of the agreement between  
ASHRAE NB/PEI Chapter and Université de Moncton to establish a  
scholarship fund.

Your implication in this endeavor is recognized and greatly appreciated.

Yours very truly,

A handwritten signature in dark ink, appearing to read 'Rhéal Bérubé'.

Rhéal Bérubé  
Director of Development

RB/lb

Enclosure

Entente conclue entre

Agreement between

l'Université de Moncton

Université de Moncton

et

and

"American Society of  
Heating, Refrigerating  
and Air-Conditioning  
Engineers Inc."  
(ASHRAE) NB/PEI Chapter

"American Society of  
Heating, Refrigerating  
and Air-Conditioning  
Engineers Inc."  
(ASHRAE) NB/PEI Chapter

pour l'établissement et  
l'administration du  
"Fonds de bourses ASHRAE  
Chapitre NB/I-P-É"

for the establishment and  
administration of the  
"ASHRAE NB/PEI Chapter  
Scholarship Fund"

le 10 avril 1991

April 10, 1991

1. Ce fonds de fiducie portera le nom "ASHRAE - Chapitre NB/I-P-É" et est créé à partir d'un don initial de 7 000\$.

2. Les intérêts générés par le Fonds de fiducie seront distribués annuellement en bourses à un(e) étudiant(e), selon l'article 4 de la présente entente.

3. Les bourses porteront le nom "Bourse ASHRAE - Chapitre NB/I-P-É."

4. La bourse sera décernée à un(e) étudiant(e) ayant complété avec succès la quatrième année de génie mécanique avec option, systèmes énergétiques, et natif des provinces maritimes.

5. L'Université de Moncton fournira un rapport annuel au donateur.

6. Le choix du ou des récipiendaires sera fait par le comité de bourses du campus de Moncton

1. This endowment fund will bear the name "ASHRAE N B / P E I Chapter Scholarship Fund" and will be created with an initial contribution of \$7,000.

2. The interest generated by this initial contribution will be awarded annually to a student or students according to the criterias listed in 4.

3. The scholarship(s) will bear the name "ASHRAE N B / P E I Chapter Scholarship."

4. The scholarship is awarded to a student successfully completing his or her fourth year in mechanical engineering, energy systems option, and native of the Maritime Provinces.

5. Université de Moncton will provide an annual report to the donor.

6. Selection of the candidate will be made by the Scholarship Committee of the Moncton Campus of Université de Moncton.

7. Ce protocole peut être modifié par une entente entre les parties concernées.

7. This agreement may be changed or amended upon mutual consent of the Parties.

8. Advenant le cas où pour quelques raisons que ce soient, il s'avère pratiquement impossible de remplir les conditions précitées, l'Université de Moncton sera libre d'attribuer le don (les produits du don) à des fins similaires ou faute de quoi à toute fin qu'elle jugera utile à ce moment là.

8. In the event that, for whatever reason, it is impossible to meet the above-mentioned conditions, Université de Moncton is free to award the scholarship, created by the revenue generated from this fund, for a similar purpose or, if possible, in whatever manner deemed comparable.

For ASHRAE - NB/PEI Chapter

Bruce Storey

Pour l'Université de Moncton

Jean-Bernard Robichaud  
Jean-Bernard Robichaud, recteur



June 15, 1992

Mr. Brian Storey, President  
NB/PEI Chapter of ASHRAE  
P. O. Box 726  
Moncton, NB  
E1C 8M9

Dear Mr. Storey:

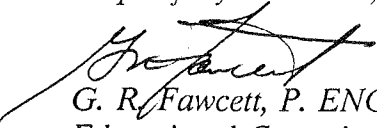
This letter will serve as the year end report for the Educational Committee and to show calculation of the APOE points for educational activities.

The activities the chapter was involved with and the APOE calculations are highlighted below.

<u>ACTIVITY</u>	<u>POINTS</u>
<u>Career Guidance</u>	
Booth at Meet 92	50
<u>Technical Sessions</u>	
See Attached	1000
<u>Scholarships</u>	
Not credited last year	$50 \sqrt{\left( \frac{18000}{200} + 2 \right)} = 480$
<b>TOTAL</b>	<b>1530</b>

Based on the above calculations the PAOE points for educational activities is 1530. Should you have any questions please contact me at 856-2267.

Respectfully submitted,

  
G. R. Fawcett, P. ENG.  
Educational Committee Chairman

cc: Mr. John B. Bisset, P. ENG.  
Vice Chairman Region 11  
Education Activities

SPEAKER	TOPIC	DATE	ATTENDANCE	DISCRIPTION	ASHRAE MEMBERS IN ATTENDANCE	PAOE ESTIMATE
Mr. Andy Olcott	Microprocessor Control Steam Humidifiers Duct Atomizing Systems Steam Humidifiers - Application & Selection	Oct. 8/91	Approx. 30	Technical Hour	20%	100
Mr. James Marquette	Microprocessor Control for Industry Refrigeration Systems	Nov. 12/91	Approx. 30	Technical Hour	20%	100
CHRISTMAS PARTY		Dec./91		0		0
Mr. Roy Bourque	Ventilation Systems	Jan. 14/92	Approx. 30	Technical Hour	20%	100
Mr. John K. Lockwood	Petroleum Tanks	Feb. 11/92	Approx. 30	Technical Hour	20%	100
Mr. Bill Dietrich	CFC's	March 11/92	Approx. 30	Technical Hour	20%	100
Mr. Alf Dyk	Fan Powered Terminal Units	April 14/92	Approx. 30	Technical Hour	20%	100
Mr. Lawrence White	CFC's	May 12/92	Approx. 30	Technical Hour	20%	100
Mr. Crawford Brewer	Travelogue	June 9/92	Approx. 30	Technical Hour & a half	20%	0
Canaplex	Underflow Heating & Design	April 29/92	Approx. 30	Technical 50 minutes	1%	50
Modular Chillers	Design Multistack	April 29/92	Approx. 30	Technical 50 minutes	1%	50
Gas Fired Heatpumps	Lennox	April 29/92	Approx. 30	Technical 50 minutes	1%	50
Flow Measurement Heating & Cooling	DAHL Brothers	April 30/92	Approx. 30	Technical 50 minutes	1%	50
Perimeter Hydronic & Radiant Heating	Adair Industries	April 30/92	Approx. 30	Technical 50 minutes	1%	50
Environmental Health & Interiors	Allergy & Enviromental Health Association	April 30/92	Approx. 30	Technical 50 minutes	1%	50

**ASHRAE**

AMERICAN SOCIETY OF HEATING,  
REFRIGERATING AND AIR-CONDITIONING ENGINEERS, INC.

1791 TULLIE CIRCLE, NE • ATLANTA, GA 30329-2305

☎ 404-636-8400 • FAX 404-321-5478



78

**Gloria F. Cofer**

Assistant to Board of Directors

April 14, 1994

Philip Allison, P.Eng.  
Mechanical Engineering Technology Instructor  
New Brunswick Community College - St. John  
P. O. Box 2270  
Saint John, NB, Canada  
E2L 3V1

Subject: **NBCC/SAINT JOHN STUDENT BRANCH CONSTITUTION AND BYLAWS**

Dear Mr. Allison:

This will acknowledge receipt of the signed copies of the constitution and bylaws for the NBCC/Saint John Student Branch. I have added the Society approval date of April 13, 1994 (date documents were received at Society Headquarters), and am returning two copies of each document for the use of the student branch. These may be copied, as necessary.

The Board of Directors, at their meeting in January 1994, voted to approve the chartering of this student branch, pending completion of paperwork. Since all requirements have been met, you may now plan with your Regional Vice Chairman for Educational Activities and your sponsoring chapter for presentation of the student branch charter.

Laura Tracy, your staff contact, will order your charter and banner and send them to the appropriate individual in the New Brunswick Chapter.

Sincerely,

*Gloria F. Cofer*  
Gloria F. Cofer

/gfc

Enclosures

cc: Dalton J. McIntyre, Region II Director and Chairman  
Thomas W. McDonald, Region II Vice Chairman, Educational Activities  
Graham Fawcett, New Brunswick Chapter Educational Activities Chairman  
Carl A. McMullen, Chairman, Charter and Bylaws Committee  
Seamus J. Homan, BOD Ex Officio, Charter and Bylaws Committee  
James E. Hill, Coordinating Officer, Charter and Bylaws Committee  
Cyril G. Hansen, Chairman, Constitution and Bylaws Subcommittee  
Alberto J. Sanchez, Member, Constitution and Bylaws Subcommittee  
Laura Tracy, Staff Liaison

May 18, 1994

Mr. Rod Collins, President  
 NB/PEI Chapter of ASHRAE  
 124 Park Street  
 Moncton, NB E1C 2B5

Dear Mr. Collins:

This letter will serve as the year-end report for the Educational Committee and show the calculation of PAOE points for educational activities.

The activities the chapter was involved with and PAOE calculations are summarized below.

<u>Activity</u>	<u>Points</u>
Student Member Growth	244
Student Branch	250
Student Faculty Liaison (1)	25
Career Guidance Teach in (1)	30
Scholarships	162
Student Night (Saint John Student Chapter Charter Night)	25

Based on the above calculations the PAOE points for educational activities is **736**. (see attached for calculations)

The following is a summary of some of the Educational highlights occurring in the chapter this year:

- October 12, 1993
 

Education Night  
 Guest speaker Mr. Phil Allison reviewed the curriculum and objectives of the Mechanical Engineering Technology HVAC option.  
 During the evening we discussed the possibility of starting a student ASHRAE chapter at Saint John campus.
- December, 1993
 

The possibility of starting a student chapter at N.B.C.C. - Saint John became a reality when we received 12 student memberships from Phil Allison with the prospect of more to follow.

- March 22, 1994

Acknowledgement from Atlanta enclosing constitution and bylaws for student chapter.

- May 11 & 12, 1994

**MEET**

Trade show held in Moncton. All members, student members and guests have the opportunity to review new technology in HVAC and hear technical presentations on equipment and procedures.

- May 11, 1994

Student Chapter Charter Night

Charter presented by Mr. Tom McDonald,  
Education Chairman — Region II

Should you have questions or comments regarding the foregoing, please contact me at 856-2266.

Yours truly,



Graham R. Fawcett, P.Eng.  
Education Chairman

c.c. Mr. Tom MacDonald  
University of Windsor  
Department of Mechanical Engineering  
Windsor, ON N9B 3P4



## **1996 CHAPTERS REGIONAL CONFERENCE**

### **REGION II**

### **N.B./P.E.I. CHAPTER REPORT**

**DELEGATE: STEPHEN TWEEDIE**

**ALTERNATE: BILL GOOBIE**

**A S H R A E 1996 CRC**



## INDEX

1. PRESIDENT'S REPORT
2. ASHRAE CRC SUMMARY REPORT
3. CHAPTER MBO's
4. CHAPTER MEETING SCHEDULE
5. CHAPTER COMMITTEE REPORTS
6. SAMPLE NEWSLETTER
7. CHAPTER INFORMATION QUESTIONNAIRE
8. CHAPTER'S ROSTER



NB/PEI CHAPTER  
ASHRAE REGION II  
PRESIDENT'S YEAR END REPORT  
1995 - 1996

August 01, 1996

Our chapter has suffered the same problems of most over the past few years but this past year has shown that a well prepared executive team demonstrating leadership can bring back a membership. Following some well deserved criticism, the year was plotted to reflect the suggestions of the past presidents who were gathered to provide an open and sincere critic of how they saw the chapter and what changes were needed to bring them and many other members back to the meetings while collecting new membership as well.

Early preparation proved to be a key factor in succeeding with this effort. The complete program was set in type for the upcoming season and the schedule published in the first issue of the chapter news letter. Members responded immediately and continued to throughout the year with approximately 35% of local Moncton members attending the meetings and many others from outside the Moncton area.

The year saw a few individuals leave the chapter due to economic restraint, change of career and/or retirement. However their positions were filled and the work carried on.

The TEGA chair had been a difficult one to fill over the years but this years selection of Bill Hooper proved to be an excellent choice. A veteran of the chapter accounts, Andy Cowan returned to fill a treasurers position and again an excellent choice. Most of the committee chair positions were held by people with responsibility to the chapter, having witnessed the chaos of the previous year. A few areas of concern in Refrigeration and Student Activities are being addressed now for the upcoming year.

Our bi-annual trade show event was a tremendous success netting the chapter enough funding to continue to offer local assistance to students and education facilities for those relevant departments and continue to hold down costs to our chapter membership. Again, the experience of having a veteran and past president like Gary Fahie take the reins of a special event like this proves the past executive of your chapter can be a very responsible and hard working group of talent upon which to draw for project management of special events.

Socially the chapter had a successful slate of events with the ever popular fall (stumble) golf tournament, Christmas dinner & dance, and a joint dinner meeting with the APENB (Moncton Branch) and tour of the NB/PEI Fixed Link projects Borden marshalling yards and staging grounds.

(2)

I would like to take this opportunity to thank those members and the executive who committed to making the changes possible throughout the past year and I wish the new executive under the direction of Steve Tweedie, continued success.

I offer my continued support for the coming year and look forward to working with the new executive.

Sincerely,

Paul Stockton  
President 95-96  
NB/PEI Chapter

ASHRAE CRC SUMMARY REPORT REGION II  
SOCIETY YEAR 1995 - 1996

CHAPTER NB/PEI CHAPTER NO. 117  
CRC LOCATION: CITY LONDON STATE/PROVINCE ONTARIO  
CRC BUSINESS SESSION: DATE: AUGUST 16 19 96

**1. MEMBERSHIP PROMOTION**

	PREVIOUS YEAR ( 94/95 )	CURRENT YEAR* ( 95/96 )
AREA-ASSIGNED MEMBERS	<u>104</u>	<u>98</u>
CHAPTER DUES-PAYING MEMBERS (MUST BE SOCIETY MEMBER)	<u>57</u>	<u>67</u>
NEW MEMBERS TO DATE	<u>6</u>	<u>7</u>
MEMBERS DELINQUENT TO DATE	<u>25</u>	<u>10</u>
NUMBER OF ADVANCEMENTS	<u>0</u>	<u>2</u>
MEMBERSHIP PROMOTION NIGHT (1): ATTENDANCE AND DATE	<u>Oct 3/94 (3)</u>	<u>Oct 10/95 (17)</u>
MEMBERSHIP PROMOTION NIGHT (2): ATTENDANCE AND DATE	<u>—</u>	<u>Feb 13/96 (16)</u>
NUMBER OF EMPLOYERS RECOGNIZED	<u>—</u>	<u>—</u>

**2. STUDENT ACTIVITIES**

	PREVIOUS YEAR ( 94/95 )	CURRENT YEAR* ( 95/96 )
STUDENT MEMBERS	<u>36</u>	<u>36</u>
STUDENT FACULTY LIAISONS	<u>1</u>	<u>4</u>
STUDENT AWARD ENTRIES	<u>0</u>	<u>0</u>
STUDENT NIGHT: ATTENDANCE AND DATE	<u>11 April 95 (16)</u>	<u>12 March 96 (19)</u>
CAREER GUIDANCE CONTACTS, TEACH-INS, ETC.	<u>1</u>	<u>23</u>
STUDENT BRANCHES	<u>1</u>	<u>1</u>
STUDENT BRANCH WORKSHOP	<u>0</u>	<u>0</u>
NUMBER OF SCHOLARSHIPS <u>2</u>		<u>\$ 1330</u>
NUMBER OF GRANTS IN AID <u>0</u>		<u>0</u>
MATH COUNTS: VOLUNTEER INVOLVEMENT <u>0</u>		<u>0</u>
K-12 CONTACTS, TEACH-INS	<u>0</u>	<u>21</u>
SPECIAL ACTIVITIES (DESCRIBE)		

\* THE "CURRENT" SOCIETY YEAR IS THE YEAR BEING REPORTED, WHICH FOR REGIONS WITH FALL CRCs IS THE YEAR JUST COMPLETED AND FOR REGIONS HAVING SPRING CRCs IS THE YEAR ABOUT TO BE COMPLETED.

### 3. TECHNICAL, ENERGY AND GOVERNMENT ACTIVITIES

	PREVIOUS YEAR ( 94/95 )	CURRENT YEAR* ( 95/96 )
NUMBER OF LEGISLATIVE LIAISONS (STATE, PROVINCIAL, LOCAL OR CODE OFFICIALS)	<u>0</u>	<u>7</u>
NUMBER OF PRESENTATIONS TO OUTSIDE ORGANIZATIONS	<u>0</u>	<u>5</u>
NUMBER OF TECHNOLOGY AWARD ENTRIES	<u>0</u>	<u>0</u>
NUMBER OF GOVERNMENT AFFAIRS AWARD ENTRIES	<u>0</u>	<u>0</u>
ACTION PLAN FOR GOVERNMENT ACTIVITIES SUBMITTED BY 94/12/1	<u>0</u>	<u>0</u>
NUMBER OF EXPERT TESTIMONIES OR PREPARED STATEMENTS FOR STATE, PROVINCIAL OR LOCAL GOVERNMENT ORGANIZATIONS (INCLUDING CODE)	<u>0</u>	<u>0</u>
NUMBER OF APPOINTMENTS TO GOVERNMENT ADVISORY BOARD, COUNCIL OR CODE COMMITTEES	<u>0</u>	<u>10</u>
HANDBOOK REVIEWS (OTHER THAN REFRIGERATION)	<u>0</u>	<u>0</u>
NATIONAL ENGINEERS WEEK PARTICIPATION	<u>0</u>	<u>0</u>

### 4. RESEARCH PROMOTION\FUND-RAISING

	PREVIOUS YEAR ( 94/95 )	CURRENT YEAR* ( 95/96 )
QUOTA	<u>3700</u>	<u>4150</u>
NUMBER OF CONTRIBUTIONS	<u>24</u>	<u>16</u>
DOLLAR VALUE	<u>\$ 3720</u>	<u>3522</u>
DOLLARS PER AREA ASSIGNED MEMBER	<u>\$ 35.77</u>	<u>35.94</u>
RESEARCH PROMOTION NIGHT (ATTENDANCE AND DATE _____)	<u>21 March 95 (15)</u>	<u>14 Nov 95 (21)</u>
SPECIAL ACTIVITIES OR COMMENTS		

### 5. REFRIGERATION

	PREVIOUS YEAR ( 94/95 )	CURRENT YEAR* ( 95/96 )
NUMBER OF CHAPTER REFRIGERATION TECHNICAL SESSIONS	<u>1</u>	<u>2</u>
NUMBER OF CHAPTER REFRIGERATION PROGRAMS	<u>1</u>	<u>1</u>
NUMBER OF CHAPTER REFRIGERATION SEMINARS	<u>0</u>	<u>0</u>
NUMBER OF REFRIGERATION PRESENTATIONS TO OUTSIDE ORGANIZATIONS	<u>0</u>	<u>0</u>
NUMBER OF MEMBERS RECRUITED FOR REFRIGERATION TC/TG/SPC/SSPC	<u>0</u>	<u>1</u>
REFRIGERATION HANDBOOK REVIEWS	<u>0</u>	<u>0</u>

## 6. CHAPTER HISTORY

	PREVIOUS YEAR ( 94/95 )	CURRENT YEAR* ( 95/96 )
NUMBER OF GOLD RIBBON AWARDS	<u>0</u>	<u>0</u>
NUMBER OF SOCIETY OR REGIONAL AWARDS	<u>0</u>	<u>0</u>
NUMBER OF LEADERSHIP RECALL INTERVIEWS	<u>0</u>	<u>0</u>
ARCHIVES INDEXED: YES: <input checked="" type="checkbox"/> NO: <input type="checkbox"/> LOCATION: <u>Residence of Historian</u>		
CHAPTER HISTORY DISPLAY AT CRC	<u>1</u>	<u>0</u>

## 7. MEETING ATTENDANCE

	PREVIOUS YEAR ( 94/95 )	CURRENT YEAR* ( 95/96 )
NUMBER OF CHAPTER MONTHLY MEETINGS	<u>9</u>	<u>10</u>
NUMBER OF CHAPTER SECTIONS	<u>0</u>	<u>0</u>
NUMBER OF JOINT MEETINGS	<u>0</u>	<u>1</u>
AVERAGE MEETING ATTENDANCE	<u>18</u>	<u>20</u>

## 8. CHAPTER PROGRAMS ACTIVITIES

	PREVIOUS YEAR ( 94/95 )	CURRENT YEAR* ( 95/96 )
NUMBER OF RATED PRESENTATIONS	<u>0</u>	<u>7</u>
NUMBER OF MONTHLY CHAPTER TECHNICAL SESSIONS	<u>5</u>	<u>7</u>
NUMBER OF CHAPTER TECHNICAL SEMINARS	<u>0</u>	<u>1</u>
ANNUAL PROGRAM PLANNING COMPLETED BY 95/12/1	<u>NO</u>	<u>YES</u>
BEST PROGRAM	<u>9 Jan 95 TEGA</u>	<u>14 Nov 95 RP</u>

COMMENTS ON THE PROGRAMS, SPEAKERS, ETC.

RESEARCH PROMOTION - IAQ with Fresh Air Dehumidification  
-very interesting, technically appropriate, and properly generic.

CONTINUING EDUCATION

- few tech. seminars but must strive to improve.

SOCIAL FUNCTIONS

Sept. Golf Tournament well-attended  
Christmas Party enjoyed by all, good to have spouses in attendance.

**9. FINANCES**

	PREVIOUS YEAR ( 94/95 )	CURRENT YEAR* ( 95/96 )
RESERVE FUNDS	\$ 15,000	21,000
CURRENT BALANCE	\$ 7800	8300
CHAPTER DUES	\$ 40	40
MEMBER COST OF MEALS	\$ 20	20
GUEST COST OF MEALS	\$ 20	20
PACKAGE PLAN? <u>NO</u> GIVE DETAILS:		

## DESCRIPTION OF OTHER SOURCES OF INCOME:

M.E.E.T. TRADE SHOW EVERY TWO YEARS JOINTLY  
SPONSORED WITH C.I.P.H. AND I.E.S. CHAPTERS SERVES  
TO FUND CHAPTER ACTIVITIES

## DESCRIPTION OF SPECIAL PROJECTS OR PROGRAMS FUNDED:

- SCHOLARSHIPS AT 2 UNIVERSITIES
- ANNUAL CHAPTER CONTRIBUTION TO ASHRAE RESEARCH

**10. CRC MOTIONS** (ATTACH TO REPORT USING APPROPRIATE FORM)**11. CHAPTER PROBLEMS**

- MAINTAINING MEMBERSHIP DUE TO TRAVEL  
DISTANCE GIVEN THE GEOGRAPHICAL AREA
- ATTRACTING PEOPLE TO SERVE ON COMMITTEES  
AND EXECUTIVE.

**12. CHAPTER INNOVATIONS AND SUGGESTIONS**

INITIATE REGULAR CHAPTER MEETINGS FOR  
ALL 12 MONTHS OF YEAR, EXCLUDING SOCIAL  
ACTIVITIES,

**13. PAOE POINTS**

	PREVIOUS YEAR	CURRENT YEAR*
	( 94/95 )	( 95/96 )
MEMBERSHIP PROMOTION	<u>366</u>	<u>475</u>
CHAPTER MEETING ATTENDANCE	<u>0</u>	<u>381</u>
CHAPTER PROGRAMS	<u>0</u>	<u>105</u>
RESEARCH PROMOTION	<u>366</u>	<u>261</u>
STUDENT ACTIVITIES	<u>50</u>	<u>972</u>
CHAPTER HISTORY	<u>100</u>	<u>0</u>
TECHNICAL, ENERGY & GOVERNMENT ACTIVITIES	<u>25</u>	<u>475</u>
CRC ATTENDANCE	<u>742</u>	<u>417</u>
REFRIGERATION	<u>0</u>	<u>0</u>
	<u>1649</u>	<u>3086</u>

## ATTACHMENTS:

TOTAL

1. CRC ACTION ITEMS (MOTIONS)
2. CHAPTER PRESIDENT'S MBOS
3. ✓ BEST NEWSLETTER (OPTIONAL)
4. SPECIAL SEMINAR PROGRAM (OPTIONAL)
5. ✓ CHAPTER ROSTER (OPTIONAL)
6. PRODUCT DIRECTORY (OPTIONAL)
7. CHAPTER INFORMATION QUESTIONNAIRE \*\*

SIGNED: \_\_\_\_\_

CHAPTER PRESIDENT

\*\* THE DRC WILL DETERMINE IF THE CHAPTER INFORMATION QUESTIONNAIRE COVERS THE CURRENT SOCIETY YEAR OR THE SOCIETY YEAR JUST COMPLETED.



90

**N.B./P.E.I. CHAPTER MBO's**

**1996 - 1997**

1. Complete program schedule with speakers and topics by publication of first newsletter September 1, 1996.
2. Improve performance of committees, primarily membership promotion and student activities.
3. Improve reporting by committees to DRC and RVC.
4. Establish new student chapter.
5. Investigate interest in sponsoring a new chapter.



## 1996 - 1997 MEETING SCHEDULE

September 10, 1996	Theme: Membership Promotion Night Topic: Canadian Construction Information Database Presenter: Allan Wetmore - Xabyte Technologies Corp.
October 8, 1996	Theme: Energy Night Topic: Geothermal Heat Pump Systems Presenter: Climate Master
November 12, 1996	Theme: Research Promotion Night Topic: Piping in HVAC Systems Presenter: Victaulic
December 6, 1996	Theme: 'Tis the Season Topic: The Mechanics of Non-Motorized Flight Presenter: S. Claus - North Pole Enterprises Dinner and dance to follow.
January 14, 1997	Theme: Past President's Night Topic: Challenges in HVAC Insulation Presenter: Guildford's Ltd.
February 11, 1997	Theme: Education Night Program: TBA
March 11, 1997	Theme: TEGA Night Program: TBA
April 8, 1997	Theme: Refrigeration Night Program: TBA
May 13, 1997	Theme: Membership Night Program: TBA
June 7, 1997	Installation of Officers & Companion's Night

June 5, 1996

Norm Johnson  
R.V.C. Membership Promotion

**SUBJECT: YEAR END REPORT - N.B./P.E.I. CHAPTER**

Dear Mr. Johnson

The New Brunswick/Prince Edward Island Chapter of Ashrae has scheduled and completed the following:

**MEMBERSHIP NIGHTS**

We had two membership nights on October 10, 1995 and February 13, 1996. We had four people take membership forms.

**OVERALL CHAPTER REPORT (6/30/96)**

Number of national members.....	98
Number of delinquents.....	10
Number of new members.....	7
Number of students.....	36
Number of delinquents.....	11
Number of new student membership.....	4
Advancements.....	2
Cancellations.....	2
Resignations.....	2

**PROJECTS COMPLETED:**

1. Letters to all delinquent student members asking them to join Ashrae. The majority of these students have completed their courses.
2. Letters and phone call to all delinquent members asking to forward their membership dues.
3. One letter of resignation as a result of phone calls and letters to delinquent members.
4. One member who was on the delinquency list who had in fact paid his dues in October, 1995. I faxed Atlanta with a copy of his cheque cashed by Ashrae. Atlanta has since straightened up this mistake.
5. M.E.E.T '96 - A booth was set-up for Ashrae Memberships. We have seven inquiries with membership forms being sent out to each of those individuals.

PAGE 2  
YEAR END REPORT - N.B./P.E.I CHAPTER  
JUNE 5, 1996

If you have any further questions, please contact the undersigned.

Yours very truly,

Gerry P. Waselynychuk

**PS - INTERESTING FACTS**

We have (to date) received local chapter dues from 67 "members".  
The breakdown is as follows:

In town members.....	33
Out of town members.....	34
Delinquent members.....	31



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**FACSIMILE TRANSMITTAL**

To: Harinder Singh, P. Eng.

Date: May 31/96

Company: M & R Consulting Engineers

Fax No.: (902) 423-4945

Project Name: ASHRAE Student Activities

Project No.: \_\_\_\_\_

Message From: Stephen Tweedie, P. Eng.

# of Pages Incl. 5  
This Page: \_\_\_\_\_

Hari:

Due to the lack of action by our  
student activities chairman, I have taken it upon  
myself during the latter part of the year to  
salvage this committee. Fortunately, coincidental  
activities normally carried out by our chapter and  
its members have resulted in quite favorable points  
scoring for this report. I trust it is  
satisfactory. Please call me if you have  
any questions. See you at CRC '96.

[Signature]



Return to: RVC Student Activities

1995-96 PAOE  
STUDENT ACTIVITIES COMMITTEE REPORT

CHAPTER: NEW BRUNSWICK / PEI

SAC CHAIRMAN: DR. SAMUEL SAMI /  
STEPHEN TWEEDIE

DATE: MAY 31/96

PHONE NO: (506) 858-4194  
(506) 858-1300

FAX NO: (506) 858-4082  
(506) 858-1906

REPORT FOR (CIRCLE ONE)

OCT FEB APR JUNE  
DEC MAR JUN

	POINTS	THIS REPORT	YEAR-TO-DATE
STUDENT MEMBER GROWTH* (CALCULATED BY RVC) SMG = 4	50 $\sqrt{SMG}$	100	100
STUDENT BRANCH A) EACH EXISTING BRANCH /	50	50	50
B) EACH NEW BRANCH O	150	O	O
C) EACH \$200 INVESTMENT (MAX=100/BRANCH) For educational material based on actual cash expenditures by Chapter AMOUNT BRANCH PURPOSE O	25	O	O
D) CHAPTER MEMBER'S PARTICIPATION IN 3 OR MORE STUDENT BRANCH EVENTS OTHER THAN FACULTY LIAISON (MAX=300) NAME 3 DATES O	75	O	O
E) ELIGIBLE STUDENTS** ATTENDING STUDENT BRANCH OPERATIONS WORKSHOP (MAX=100) O	10	O	O

\* SMG is defined as each new student member.

\*\*Eligible students are students who are members of the student branch.

	POINTS	THIS REPORT	YEAR-TO-DATE
<p>EACH STUDENT FACULTY LIAISON* (MAX=100) 4</p> <p>For each liaison list:    Name                                  Address                                  Phone &amp; Fax                                  E-Mail Address</p> <p>① Philip J. Allison # 0012486 New Brunswick Community College Saint John Campus PO Box 2270 Saint John, New Brunswick E2L 3V1 P-(506) 658-6734 F-(506) 658-6792</p> <p>② Frank B. Appleby # 5103991 New Brunswick Community College Moncton Campus 1234 Mountain Road Moncton, New Brunswick E1C 8H9 P-(506) 856-2215 F-(506) 856-2838</p> <p>③ S. M. Sami # 3029646 University of Moncton School of Engineering Moncton, New Brunswick E1A 3E9 P-(506) 858-4194 F-(506) 858-4082</p> <p>④ Dwight G. Scott # 5031856 University of New Brunswick P.O. Box 4400 Fredericton, New Brunswick E3B 5A3 P-(506) 453-4513 F-(506) 453-5025</p>	25	100	100

\* A faculty liaison is any ASHRAE member who is actively involved in teaching HVAC&R related courses at a qualifying university or college and who is also actively promoting membership and involvement in ASHRAE.

	POINTS	THIS REPORT	YEAR-TO-DATE
STUDENT AWARDS			
A) EACH COMPETITION HELD (MAX=50) SCHOOL/CLASS DATE	25	0	0
B) EACH SUBMISSION TO SOCIETY COMPETITION (MAX=50)	25	0	0
CAREER GUIDANCE - POST SECONDARY AFTER HIGH SCHOOL			
A) EACH CONTACT. This is intended to be a one-on-one contact. In the event that a presentation is made to a group, a maximum of 50 points per group is allowed. (MAX=200) PRESENTER SCHOOL NAME OR DATE SUBJECT 20 GRP. SIZE	10	200	200
B) TEACH-INS PER CLASS. Engineers speak to classes about engineering and/or related technologies. PRESENTER SCHOOL CLASS DATE SUBJECT W. HOOPER NBCC-SJ Mech. Tech. 26 Feb 3way valves vs var. vol.	50	50	50
C) ENGINEERS-FOR-A-DAY PROGRAM OR TOURS. Students tour industrial facilities and engineering firms or work side-by-side with engineers. (MAX=100) GUIDE STUDENT DATE FIRM S. TWEEDIE C. JENKINS JUNE/96 ENERPLAN CONSULTANTS P. STOCKTON A. BOURGEOIS MAY/96 SGE GROUP LTD	25	50	50
K-12 PROGRAM			
A) EACH CONTACT (MAX=200) 20	10	200	200
B) TEACH-INS PER CLASS Math, Science and engineering - this can include "MathCounts." 1	50	50	50

	POINTS	THIS REPORT	YEAR-TO-DATE									
<b>SCHOLARSHIPS</b> <b>A) STUDENT SCHOLARSHIPS</b> $P_s = 50 \sqrt{\frac{D}{200} + N} = 50 \sqrt{\frac{1330}{200} + 2}$ <p>Where: D = Total dollars of all scholarships  N = The number of scholarships given</p> <table> <tr> <td>NAME</td> <td>SCHOOL</td> <td>AMOUNT</td> </tr> <tr> <td></td> <td>UNB</td> <td>\$ 770</td> </tr> <tr> <td></td> <td>University of Moncton</td> <td>\$ 560</td> </tr> </table>	NAME	SCHOOL	AMOUNT		UNB	\$ 770		University of Moncton	\$ 560	147	147	147
NAME	SCHOOL	AMOUNT										
	UNB	\$ 770										
	University of Moncton	\$ 560										
<b>B) SOCIETY SCHOLARSHIP CONTRIBUTION</b> $P_{ssa} = \left( \frac{C_1}{10} \right)$ <p>Where: <math>P_{ssa}</math> = Points for Society Scholarship Award  <math>C_1</math> = Total dollars contributed  (The contributions to the Society Scholarship Award will receive 10 points per \$100 contributed.)</p> <p>AMOUNT</p>	0	0	0									
<b>EACH CHAPTER STUDENT NIGHT (MAX=50)</b> DATE                      SUBJECT                      NO. OF STUDENTS March 12/96      Fiber-Optics                      5	25	25	25									
<b>TOTAL:</b>		972	972									



99



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## Fax Message

[Rec: 053196E]

**Company:** Enerplan Consultants**Total Pages:** 1 + 2**Attention:** Steve Tweedie, P.Eng.**Date:** May 31, 1996**Subject:** ASHRAE Wrap-up (Part 2)**From:** William Hooper, CET

Steve — Further to our discussions yesterday, here is a summary of the accomplishments of the TEGA Committee over this past ASHRAE season.

- "TEGA NOTES" started on November 30, 1996 with a fax to Laurier Nichols, the RVC for this committee. This transmission included details on TEGA activity to date (Jan. 9, 1996).
- Made some excellent contacts within DSS and the EMTF as listed in TEGA NOTES.
- January 18, our first PAOE submission of the season, for 200 points. Gerry W. gave a technical seminar on Humidifiers for DSS and the afternoon session for ASHRAE (100 pts total), and I gave a seminar at the CEC '95 for APENB and EMTF (50 pts.). Also, I set myself up as a liaison to Gov't, and was appointed to the EMTF for 25 points each.
- Attempt was made to encourage the Edmundston Regional Hospital to apply for the ASHRAE energy rewards, but in the end, this was not possible.
- April 8, 1996 was the next application for PAOE points, which we achieved 325 points. I received 100 pts for two technical seminars, Alyre Gallant got us 50 pts for appointments to boards: CFC Steering Committee, and the Program Advisory Committee for the Ref'n Trade. I also received 25 pts for being a liaison to EMTF. I also set myself up as a liaison to all listed contacts in DSS in Fredericton for 150 pts.
- Enerplan attempted to have a submission ready for the ASHRAE energy awards, but time would not allow for this submittal. This is now slated for a submission for next year.

This represents the summary of the TEGA outreach activities for this year. I look forward to a more productive year for 96/97.

**FAXED**

# TECHNICAL, ENERGY AND GOVERNMENTAL ACTIVITIES

## 1995 - 1996 P.A.O.E. CALCULATION FORM

100

Chapter TEGA Chair WILLIAM HOOPER

PAR = 400 points

Chapter Name NB / PEI.

MAXIMUM = See each activity

Region IV

MINIMUM = 200 points

Date MAY 31 / 96

ACTIVITY	POINTS DETERMINATION	POINTS			
		PER ACTIVITY	MAXIMUM	THIS PERIOD	YTD
Technology Awards	a. Each technology category with an entry into chapter competition <sup>1</sup>	50	200		
	b. Each chapter entry into regional competition	50	250		
	c. Regional Award 1st Place	60	60		
	d. Society Award				
	1st Place	100	100		
	2nd Place	90	90		
	3rd Place	80	80		
	e. Society Award of Engineering Excellence	200	200		
Governmental Affairs Awards	a. Each chapter entry into regional competition	50	50		
	b. Regional Award - 1st Place	60	60		
	c. Society Award				
	1st Place	100	100		
	2nd Place	90	90		
	3rd Place	80	80		

SUBTOTAL PAGE 1 0SUBTOTAL PAGE 1 0SUBTOTAL PAGE 2 675TOTAL POINTS, TEGA 675

FOR THE YEAR 95/96

(21)

ACTIVITY	POINTS DETERMINATION	POINTS			
		PER ACTIVITY	MAXIMUM	THIS PERIOD	YT
Chapter Outreach Activities	a. Each presentation on HVAC&R technology to a professional or business group <sup>2</sup>	50	100		250
	b. Each expert testimony or prepared statement to state, provincial or local governmental (including code) organizations	50	200		
	c. Each appointment to a governmental advisory board, council, code committee, etc.	25 X 6	200 PER FAX BY STEVE TWEDDIE	150	250
	d. Each liaison with a state, provincial, local government or code official <sup>3</sup>	25	200		175
	e. Chapter Action Plan for Government Activities <sup>4</sup>	25	25		
National Engineers Week Participation	a. Radio/TV public service announcements	25	100		
	b. Proclamation (city, county, state)	10	30		
	c. Newspaper advertisements/articles	10	50		
Handbook Review (Other than Refrigeration)	a. Each Handbook chapter review submitted with comments <sup>5</sup>	25	100		

1 For categories see TEGA Awards Brochure

\* YEAR TOTAL \* SUBTOTAL PAGE 2 675 (YTD)

2 Professional or business groups are defined as ten (10) or more individuals. Credit is in addition to that given in the Refrigeration section.

3 Chapter liaison is defined as an individual assigned to represent chapter as liaison to a specific group during the year.

4 To be submitted no later than December 1

5 A copy of the Handbook Review must be submitted to the Regional Vice Chair

NOTE: Submit two copies to the Regional Vice Chair by the 22nd of the following months: October, December, February, March, April, May and June.

## ASHRAE N.B./P.E.I. CHAPTER

### RESEARCH PROMOTION REPORT    1995-96

We are satisfied that this year we have tried our best. However, we did not achieve our goal.

We held this year's Research Promotion Meeting on March 12/96. A certificate was presented to Gary Fahie, Global Mechanical Systems, for his last year's Honor roll contribution of \$250.00. Also, that evening Mr. Paul Stockton of SPG Engineering and Mr. Rino Levesque received a Sadi Carnot commemorative coin for their commitment of \$150.00.

This year we offered something new to show our appreciation to our chapter members that contribute at the Honor Roll level. We will be placing an advertisement in our local paper recognizing those members and their companies while taking the opportunity to publicize ASHRAE and our local chapter.

Our first submission March 21/96 totaled \$1089.02. This amount represented seven contributors of which five (72%) achieved Honor Roll status and received Sadi Carnot coins.

Our second submission May 15/96 totaled \$1420.00. This amount represented three contributors of which all (100%) achieved Honor Roll status and received Sadi Carnot coins.

Our final submission June 19/96 totaled \$1013.00. This amount represented six contributors of which four (67%) achieved Honor Roll status and received Sadi Carnot coins. Unfortunately this last submission was not credited to this year's campaign. While waiting for two committed contributors to return from vacation we have missed the mandatory deadline. On the positive side this gives next year's campaign a great start!

To summarize we failed to achieve High Five \$3780.00, Chapter's Goal \$4150, and the Challenge Goal \$4875.00. I would like to take this opportunity to thank my chapter and the society for the opportunity to serve as chapter research promotion chair and apologize for failing to acquire award level results.

Regards,

R. Collins  
ASHRAE Chapter 117 Research Promotion Chair / Historian 1995-96

## AMERICAN SOCIETY OF HEATING, REFRIGERATING AND AIR-CONDITIONING ENGINEERS, INC.



August 6, 1996

H.H. Angus & Associates Ltd.

Attention: Duncan Varey

Re: ASHRAE Refrigeration - NB/PEI Chapter

April 16, 1996 was designated as Refrigeration Night with a presentation on Ammonia as a refrigerant. Speaker was Baxter Billard.

I am a member of the Refrigeration Advisory Committee for the New Brunswick Department of Advanced Education and Labour for the Refrigeration and Air Conditioning Trade.

Yours truly,

Alyre Gallant

AG/js.

## ASHRAE N.B./P.E.I. CHAPTER

### HISTORIAN REPORT     1995-96

We are satisfied that this year we have tried our best. However, we did not achieve all of our objectives.

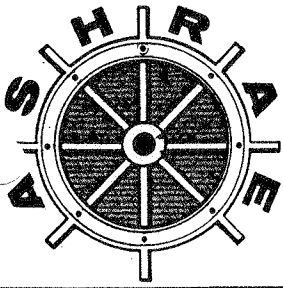
We held this year's Historical Meeting on May 14/95. The meeting incorporated Past President's Night and a tour of the Strait Crossing site. The tour was held in conjunction with the local chapter of (APENB) Association of Professional Engineers of New Brunswick). Many photographs were taken to record the progress of this history making project and have been added to our archives.

I would like to take this opportunity to offer my resignation and thank my chapter and the society for the opportunity to serve as chapter historian. I will carry on as acting historian until a successor is found.

Regards,

R. Collins

ASHRAE Chapter 117 Historian / Research Promotion Chair 1995-96



# The Herring Choker

**ASHRAE**  
NB PEI CHAPTER

**HAPPY THANKSGIVING!**

This year's second meeting is scheduled for October 10, 1995 at Boomerang's with executive meeting at 3:30, cocktails at 5:00 and dinner meeting at 6:00.

## **PC COMPUTERS**

### **"Knowing What You're Buying"**

with

**DAVE McPHERSON**

Dave McPherson is proprietor and President of Softec Ltd. which was purchased in 1992 by McPherson Ventures (Moncton) Ltd. Mr. McPherson holds a certificate in Electronic Engineering with a concentration in communications from the Moncton Community College. Softec was founded in 1982 as a software development company and entered the microcomputer manufacturing market in 1984. Softec encompasses all markets including custom software, manufacturing, pre-packaged software distribution, service on all makes of systems, peripherals, supplies, consulting and training. Mr. McPherson will be discussing such topics as: costs, needs and advancements in computers today and how they affect individuals and businesses. The Internet and its multitude of uses and expanding popularity and power in the world not to mention the industry. Mr. McPherson will also convey the importance and methods of data safety and security. Concluding the presentation will be a multimedia demonstration.



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### 1995-1996 MEETING SCHEDULE

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- |                   |   |
|-------------------|---|
| October 10, 1995  | Theme: Membership promotion Night<br>Topic: PC Computers "Knowing What You're Buying"<br>Speaker: Dave McPherson, President, Softec<br>Dinner: Prime Rib                              |
| November 14, 1995 | Theme: Research Promotion Night<br>Topic: Indoor Air Quality with Fresh Air Dehumidification<br>Speaker: Reinhold Kittler - Dectron Ltd.<br>Dinner: Boomerang Chicken Plate           |
| December 08, 1995 | Christmas Dinner and Dance at Boomerang's Live band, door prizes and Santa (make plans now!)  |
| January 09, 1996  | Theme: TEGA Night<br>Topic: European Technology in Heating<br>Speaker: Darron Thomas, President, Thomas Industrial Sales<br>Dinner: Davenport Chicken & Ribs                          |
| February 13, 1996 | Theme: Membership Night<br>Topic: Radiant Cooling Applications<br>Speaker: Jack Twa, President Frenger Canada<br>Dinner: Prime Rib  |
| March 12, 1996    | Theme: Student Activities Night<br>Topic: Fiber Optics in Automatic Controls<br>Speaker: Reno Levesque, President, Advanced Energy Management Ltd.<br>Dinner: Boomerang Chicken Plate |
| April 09, 1996    | Theme: Refrigeration Night<br>Topic: Ammonia Systems<br>Speaker: Vilter Compressors<br>Dinner: Davenport Chicken & Rib  |
| May 14, 1996      | Theme: Past President's Night<br>Dinner: Prime Rib  |
| June 11, 1996     | Installation of Officers & Companion's Night<br>Dinner: Boomerang Chicken Plate   |



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1995-96 ASHRAE NB/PEI CHAPTER EXECUTIVE

- President ..... Paul Stockton
- President Electorate ..... Steve Tweedie
- Vice President ..... John Ellison
- Treasurer ..... Andy Cowan
- Secretary ..... Bill Goobie
- Past President ..... Rod Collins
- Board of Governors ..... Gary Fahie  
Terry Steeves  
Brien Storey

BUSINESS CARD ADVERTISEMENTS

On behalf of the Chapter, THANKS goes to all the businesses who renewed their advertisement for another printing of "The Herring Choker". The advertisers seen in this newsletter are paying \$100.00 for their advertisement and this income helps to offset the expense of printing and mailing the newsletter. This allows the local Chapter to designate more of our funds toward Research and Promotion, scholarships and other worthwhile projects.

Invoices have been sent to all advertisers and payment should be sent to our new mailing address as shown on the front page. Thanks again for supporting your local ASHRAE Chapter.

<p><b>S ATLANTIC INC.</b></p> <p>INDUSTRIAL HEATING, REFRIGERATION, CONSERVATION IENT PARTS</p> <p>YNCHUK T</p> <p>W BRUNSWICK E1E 1E2 5-5882 • FAX: (506) 857-9890</p>	<p><b>Honeywell</b></p> <div> <div> Eric Carson Building Systems Sales </div> <div> Commercial Building Group Honeywell Limited 136 English Drive Moncton, N.B. E1E 4G7  506 / 857-8890 Fax 506 / 858-5650 </div> </div>	<div> PHONE: 857-4296 FAX: 859-9492 </div> <p><i>Moncton Plumbing &amp; Supply Co. Ltd.</i></p> <p>MECHANICAL CONTRACTORS</p> <p>141 HALIFAX ST., MONCTON, N.B. E1C 8H7</p>	<div>  <p>Telephone 634-1640 Fax No. 634-7233 Res. 652-2614</p> <p><b>N.B. SALES &amp; SERVICES</b> A Division of J.A. Slein 1981 Ltd. AGENTS FOR PLUMBING, HEATING and AIR CONDITIONING EQUIPMENT</p> <p>BRUCE SLEMIN 22 Germain Street Saint John, N.B. E2L 2E5</p> </div>
---	--	---	---



DAVID IRWIN, P. ENG.

TEL: 506-387-3083 FAX: 506-387-3089

106 HILLSBOROUGH ROAD, RIVERVIEW, N.B. E1B 1R3  
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Fax (506) 857-4989

GLOBAL  
Mechanical Systems Ltd.

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## REVIEW OF SEPTEMBER'S MEETING

Meeting was called to order at 3h00 pm for the Executive. At 6h00 pm the formal meeting was brought to order by our President Paul Stockton. A brief report of the CRC was verbally given to the meeting and the travelling meatball award plaque was presented to our past President Rod Collins. The meal was good and the guest speaker, Tom James, from the Carnes company gave a presentation on Energy Reclaim thru heat wheels.

There were fifteen members present and the meeting was adjourned at 8h45 pm.

## CHRISTMAS DINNER & DANCE

Please do not forget to make arrangements to attend ASHRAE's Christmas Dinner & Dance which will be held on Friday December 8, 1995 at Boomerangs. The evening will include a live band, door prizes, and of course Santa.



UMA Engineering Ltd.

Planners, Engineers & Project Managers

Paul E. Stockton, P. Eng.  
General Manager

50 Cameron Street  
Moncton, New Brunswick  
Canada E1C 9A9

Tel (506) 857-8708  
Fax (506) 857-8989

Hoadley Engineering Inc.

Consulting Mechanical Engineers

P.O. Box 122  
157 Portledge Ave  
Moncton, NB  
E1C 8R9

Gary R. Hoadley  
P. Eng.

Tel.: (506) 855-1414  
Fax.: (506) 855-1415  
Res.: (506) 854-6862

TEL.: 506-858-8850 FAX.: 506-388-3235

STOREY & STOREY ENGINEERING LTD.

CONSULTING ENGINEERS

Contact:  
Brien D. Storey, P. Eng. or  
Peter W. Storey, P. Eng.

1560 Main Street  
P.O. Box 728  
Moncton, N.B.  
E1C 8M9



**enerplan consultants ltd.**

energy planning and engineering

100 Cameron Street, Suite 2008, Moncton, N.B. E1C 5Y6  
Tel.: (506) 858-1300 Fax: (506) 858-1906

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**FACSIMILE TRANSMITTAL**

To: Anne Summer

Date: Aug 7/96

Company: ASHRAE

Fax No.: (404) 321-5478

Project Name: Chapter Info

<sup>Chapter</sup>  
Project No.: 117 - NB/PEI

Message From: Stephen Tweedie

# of Pages Incl.

Region II - Chapter # 117

This Page: 1

Anne -

Please be advised of the following change to our  
Chapter Roster due to a resignation:

Secretary — Delete "Jean-Guy Hébert"

and replace with

WILLIAM E. HOOPER # 5108515

34 FRENCH VILLAGE ROAD

SAINT JOHN, NEW BRUNSWICK

CANADA E2L 3W4

BUSINESS — ITT FLUID PRODUCTS CANADA

PH: (506) 849-0334

FAX: (506) 849-0335

Best Regards,

CC: John Dugan

Fax: (613) 737-4985

# ASHRAE CHAPTER INFORMATION QUESTIONNAIRE

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Complete and mail to Headquarters, ASHRAE, 1791 Tullie Circle, N.E., Atlanta, Georgia, 30329, Telephone: (404) 636-8400, with a copy to your Regional Chair, no later than June 1. Addresses should be the same as used for other Society mailings, including your Journal, Handbook and miscellaneous mailings. Please notify Headquarters and Regional Chair promptly of questionnaire changes.

CHAPTER OFFICERS must not use nicknames; must include area code when listing phone numbers and must list member number (#). CHAPTER OFFICERS MUST BE MEMBERS OF SOCIETY IN GOOD STANDING WITH THE GRADE OF ASSOCIATE MEMBER OR HIGHER.

CHAPTER NB / PEI # 117 REGION II SOCIETY YEAR\* 96 / 97  
 (\*For Spring CRCs Society Year indicates Society year beginning July 1. For Fall CRCs Society Year indicates the current year.)

## MEETING DATES FOR THE UPCOMING SOCIETY FISCAL YEAR

July <u>NA</u>	October <u>8</u>	January <u>14</u>	April <u>8</u>
August <u>NA</u>	November <u>12</u>	February <u>11</u>	May <u>13</u>
September <u>10</u>	December <u>10</u>	March <u>11</u>	June <u>10</u>

Regular Meeting Location BOOMERANG'S RESTAURANT, MONCTON, NEW BRUNSWICK, CANADA

## PRESIDENT

Name STEPHEN W. TWEEDIE # 0756128  
 Address 100 CAMERON ST. - Ste 2008  
MONCTON, NEW BRUNSWICK  
CANADA EIC 5Y6  
 Business Name ENERPLAN CONSULTANTS LTD.  
 Business # (506) 858-1300  
 FAX # (506) 858-1906 E-MAIL # ERG@atcon.com

## TREASURER

Name ANDREW FREDERICK COWAN # 3034858  
 Address 154 COVERDALE RD.  
RIVERVIEW, NEW BRUNSWICK  
CANADA EIB 3H9  
 Business Name ANDCAR ENTERPRISES INC.  
 Business # (506) 386-3967  
 FAX # (506) 386-4127 E-MAIL # \_\_\_\_\_

## PRESIDENT-ELECT

Name WILLIAM BERNARD GOOBIE # 3000501  
 Address 46 HILTON DRIVE  
MONCTON, NEW BRUNSWICK  
CANADA EIG 1P9  
 Business Name MONCTON HOSPITAL  
 Business # (506) 857-5111  
 FAX # (506) 857-5601 E-MAIL # \_\_\_\_\_

## CHAPTER BOARD OF GOVERNORS

Name GRANT BOURQUE # 5130438  
 Address 285 COLLISHAW ST, PO BOX 932  
MONCTON, NEW BRUNSWICK  
CANADA EIC 8N8  
 Business Name SAM ERMEN PLUMBING & HTG.  
 Business # (506) 857-1000  
 FAX # (506) 857-1002 E-MAIL # \_\_\_\_\_

## VICE PRESIDENT

Name TERRY R. STEEVES # 0707508  
 Address 285 COLLISHAW ST, P.O. BOX 932  
MONCTON, NEW BRUNSWICK  
CANADA EIC 8N8  
 Business Name SAM ERMEN PLUMBING & HTG.  
 Business # (506) 857-1000  
 FAX # (506) 857-1002 E-MAIL # \_\_\_\_\_

Name DEREK WELDON # 5097868  
 Address 50 CAMERON STREET  
MONCTON, NEW BRUNSWICK  
CANADA EIC 9A9  
 Business Name SGE GROUP LTD.  
 Business # (506) 857-8708  
 FAX # (506) 857-8989 E-MAIL # SGEMTON@NBNET.NB.CA

## SECRETARY

Name JEAN-GUY HEBERT # 5103994  
 Address RR#1 SAINTE - MARIE  
NEW BRUNSWICK  
CANADA EOA 3A0  
 Business Name BRUNSWICK SHEET METAL  
 Business # (506) 859-6199  
 FAX # (506) 859-6959 E-MAIL # \_\_\_\_\_

Name CARMAN TRAVIS # 5098045  
 Address 100 CAMERON ST, SUITE 2008  
MONCTON, NEW BRUNSWICK  
CANADA EIC 5Y6  
 Business Name ENERPLAN CONSULTANTS LTD.  
 Business # (506) 858-1300  
 FAX # (506) 858-1906 E-MAIL # ERG@atcon.com

**BOARD OF GOVERNORS, (cont.)**

Name PAUL E. STOCKTON # 5017446  
 Address 50 CAMERON STREET  
MONCTON, NEW BRUNSWICK  
CANADA E1C 9A9  
 Business Name SGE GROUP LTD.  
 Business # ( 506 ) 857-8708  
 FAX # ( 506 ) 857-8989 E-MAIL # sgemton@nbnet.nb.ca

**CRC DELEGATE**

Name STEPHEN W. TWEEDIE # 0756128  
 Address 100 CAMERON ST - SUITE 200B  
MONCTON, NEW BRUNSWICK  
CANADA E1C 5Y6  
 Business Name ENERPLAN CONSULTANTS LTD.  
 Business # ( 506 ) 858-1300  
 FAX # ( 506 ) 858-1960 E-MAIL # ERG@atcon.com

**CRC ALTERNATE**

Name WILLIAM BERNARD GOOBIE # 3000501  
 Address 46 HILTON DRIVE  
MONCTON, NEW BRUNSWICK  
CANADA E1G 1P9  
 Business Name MONCTON HOSPITAL  
 Business # ( 506 ) 857-5111  
 FAX # ( 506 ) 857-5601 E-MAIL # \_\_\_\_\_

**MEMBERSHIP PROMOTION COMMITTEE CHAIR**

Name GERALD P. WASELYNCHUK # 2039184  
 Address 120 RIDEOUT STREET  
MONCTON, NEW BRUNSWICK  
CANADA E1E 1E2  
 Business Name INDOTEC AGENCIES INC.  
 Business # ( 506 ) 857-0788  
 FAX # ( 506 ) 857-9890 E-MAIL # \_\_\_\_\_

**STUDENT ACTIVITIES COMMITTEE CHAIR**

Name PHILIP J. ALLISON # 0012486  
 Address NBCC - SAINT JOHN P.O. BOX 2270  
SAINT JOHN, NEW BRUNSWICK  
CANADA E2L 3V1  
 Business Name NEW BRUNSWICK COMMUNITY COLLEGE  
 Business # ( 506 ) 658-6734  
 FAX # ( 506 ) 658-6792 E-MAIL # \_\_\_\_\_

**CHAPTER PROGRAMS / BOARD OF COMMITTEE CHAIR GOVERNORS**

Name JEFF HAYWARD # New Member  
 Address 153 MAC ALEESE LANE, SUITE 102  
MONCTON, NEW BRUNSWICK  
CANADA E1A 3M2  
 Business Name GLOBAL MECHANICAL  
 Business # ( 506 ) 857-4887  
 FAX # ( 506 ) 857-4989 E-MAIL # \_\_\_\_\_

**HISTORIAN**

Name DAVID E. COWAN # 2001571  
 Address 456 McALLISTER RD.  
RIVERVIEW, NEW BRUNSWICK  
CANADA E1B 1V2  
 Business Name COWAN MECHANICAL  
 Business # ( 506 ) 857-8833  
 FAX # ( 506 ) 855-3686 E-MAIL # \_\_\_\_\_

**REFRIGERATION COMMITTEE CHAIR**

Name ALYRE GALLANT # 2002157  
 Address 88 BEAVERBROOK ST.  
MONCTON, NEW BRUNSWICK  
CANADA E1C 8H7  
 Business Name E & R SERVICES LTD.  
 Business # ( 506 ) 857-2233  
 FAX # ( 506 ) 856-9981 E-MAIL # \_\_\_\_\_

**RESEARCH PROMOTION COMM. CHAIR**

Name PAUL E. STOCKTON # 5017446  
 Address SGE GROUP LTD.  
50 CAMERON ST., MONCTON  
NEW BRUNSWICK, CANADA E1C 9A9  
 Business Name SGE GROUP LTD.  
 Business # ( 506 ) 857-8708  
 FAX # ( 506 ) 857-8989 E-MAIL # sgemton@nbnet.nb.ca

**TECHNICAL, ENERGY & GOVERNMENT ACTIVITIES COMMITTEE CHAIR**

Name WILLIAM E. HOOPER # 5108515  
 Address 34 FRENCH VILLAGE ROAD  
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CANADA E2L 3W4  
 Business Name ITT FLUID PRODUCTS CANADA  
 Business # ( 506 ) 849-0334  
 FAX # ( 506 ) 849-0335 E-MAIL # \_\_\_\_\_

**NEWSLETTER EDITOR**

Name CARMAN C. TRAVIS # 5098045  
 Address 100 CAMERON STREET, SUITE 200B  
MONCTON, NEW BRUNSWICK  
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 Business Name ENERPLAN CONSULTANTS LTD.  
 Business # ( 506 ) 858-1300  
 FAX # ( 506 ) 858-1906 E-MAIL # ERG@atcon.com

**OTHER BOARD OF GOVERNORS**

Name WILLIAM E. HOOPER # 5108515  
 Address 34 FRENCH VILLAGE ROAD  
SAINT JOHN, NEW BRUNSWICK  
CANADA E2L 3W4  
 Business Name ITT FLUID PRODUCTS CANADA  
 Business # ( 506 ) 849-0334  
 FAX # ( 506 ) 849-0335 E-MAIL # \_\_\_\_\_

**1997 CHAPTERS REGIONAL CONFERENCE**

**REGION II**

**N.B./P.E.I. CHAPTER REPORT**

**DELEGATE: BILL GOOBIE**

**ALTERNATE: BILL HOOPER**

**A S H R A E 1997 CRC**

## INDEX

1. PRESIDENT'S REPORT
2. ASHRAE CRC SUMMARY REPORT
3. CHAPTER MBO's
4. 1997/1998 MEETING SCHEDULE
5. CHAPTER COMMITTEE REPORTS
6. SAMPLE NEWSLETTER
7. CHAPTER ROSTER



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**NB/PEI CHAPTER**

**ASHRAE REGION II**

**PRESIDENT'S YEAR-END REPORT**

**1996 - 1997**

August 6, 1997

Our Chapter has continued its re-building process this year in an effort to bring the membership back to our meetings. Although Chapter membership numbers do not reflect a significant change, participation in chapter activities continues to improve in keeping with last year's revival.

The Chapter Program was set early in the year and was published monthly until Christmas. Good turnouts were experienced - even better when the guest speaker's own local representatives were encouraged to make contacts and invite people to attend the meetings. This resulted in more interest in the Chapter, and contact with new potential members. Involvement by people from out-of-town was encouraging and proves to be an ongoing commitment. Two afternoon seminars were held in conjunction with evening meetings, but unfortunately did not enjoy the same success as the evening meetings.

Due to some changes in membership, it was necessary to bring two new individuals into the executive and to recycle a past-president to maintain some experience. Since that person does not want to proceed through the chairs again, this will require two new faces to the executive again next year. However, it is encouraging to have new, young members on the executive who are enthusiastic and willing to participate.

The Student Activities Committee, particularly with regard to the Student Chapter, had considerable activity. The NB/PEI Chapter was pleased to be able to offer financial assistance to the Student Chapter for their operating expenses for the year. By doing so, they were able to sponsor such events as an Indoor Air Quality Seminar, which drew very good attendance.



This year also saw the initiation of a new scholarship being offered directly by the Chapter, in addition to the two already in place at local universities. This \$500 award was made available to the son or daughter of a Chapter member attending a science or engineering program of 2 years or more duration, at a recognized university or technical institution. As it turns out, the only applicant, and the subsequent recipient, was the president of our Student Chapter, Justin Beaulieu.

A joint meeting was held with the Student Chapter which included a plant tour. A social time afterward provided a much appreciated opportunity to mingle with the students and to learn how much more experienced they were at billiards. This personal contact proved valuable to students and mentors alike, as evidenced by the resulting employment of some students by Chapter members upon completion of their education this year.

The Refrigeration chair, for sometime, has been a difficult committee for us in terms of activity. However, at year-end, a new member joined us with extensive experience and contacts in the refrigeration industry. As a result, we are hoping for improved performance in this area next year, with his help in chairing that committee.

Socially, the chapter experienced numerous successful events. The first unofficial event, of course, was the hospitality hour hosted by the NB/PEI Chapter each evening in the gazebo at the London CRC in August 1996. This was followed in September by the ever-popular golf tournament. In December, a Christmas dinner and dance was held jointly with the APENB - Moncton Branch, and proved to be a rousing success. Presently, we are completing last minute preparations for our Chapter's 25<sup>th</sup> Anniversary celebrations to be held on September 9, 1997. Society President, Don Holte, has graciously accepted our invitation and will be in attendance at this historic event.

To all the hard-working members of the executive, Board of Governors, committee chairpersons and loyal Chapter members, I wish to express my heartfelt thanks for making my term in office an enjoyable one.

I offer my continued support and wishes for success to the new executive under the direction of Bill Goobie.

Sincerely,

S. W. Tweedie, P. Eng.  
President 1996/97  
NB/PEI Chapter

# CHAPTERS REGIONAL CONFERENCE MANUAL - 1997

## ASHRAE CRC SUMMARY REPORT REGION II SOCIETY YEAR 1996 - 1997

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CHAPTER NB/PEI CHAPTER NO. 117  
CRC LOCATION: CITY HAMILTON STATE/PROVINCE ONTARIO  
CRC BUSINESS SESSION: DATE: Aug. 14 / 1997 19 97

### 1. MEMBERSHIP PROMOTION

	PREVIOUS YEAR ( 95/96 )	CURRENT YEAR* ( 96/97 ) 99
NUMBER OF AREA-ASSIGNED MEMBERS	98	
NUMBER OF CHAPTER DUES-PAYING MEMBERS (MUST BE SOCIETY MEMBER)	67	69
NUMBER OF NEW MEMBERS TO DATE	7	4
NUMBER OF MEMBERS DELINQUENT TO DATE	10	6
NUMBER OF ADVANCEMENTS	2	1
MEMBERSHIP PROMOTION NIGHT (1): ATTENDANCE AND DATE <u>21</u> <u>OCT. 8 / 1996</u>	17	2

### 2. STUDENT ACTIVITIES

	PREVIOUS YEAR ( 95/96 )	CURRENT YEAR* ( 96/97 )
NUMBER OF STUDENT MEMBERS	36	28
NUMBER OF STUDENT ACTIVITIES IN WHICH ONE OR MORE CHAPTER MEMBERS (OTHER THAN FACULTY ADVISOR) PARTICIPATES	4	5
NUMBER OF ENGINEERS FOR A DAY PROGRAMS OR TOURS	4	5
NUMBER OF TEACH-INS PER CLASS OR TO A ORGANIZED STUDENT GROUP	21	4
NUMBER OF NEW STUDENT BRANCHES	0	0

### 3. TECHNICAL, ENERGY AND GOVERNMENT ACTIVITIES

	PREVIOUS YEAR ( 95/96 )	CURRENT YEAR* ( 96/97 )
NUMBER OF CHAPTER TECHNOLOGY AWARD ENTRIES INTO CHAPTER COMPETITION	0	0
NUMBER OF CHAPTER TECHNOLOGY AWARD ENTRIES INTO REGIONAL COMPETITION	0	0
NUMBER OF CHAPTER TECHNOLOGY AWARD ENTRIES INTO SOCIETY COMPETITION	0	0
NUMBER OF GOVERNMENT AFFAIRS AWARD ENTRIES INTO REGIONAL COMPETITION	0	0
NUMBER OF PRESENTATIONS ON HVAC&R TECHNOLOGY TO A PROFESSIONAL OR BUSINESS GROUP	5	5

\* THE CURRENT SOCIETY YEAR IS THE YEAR BEING REPORTED, WHICH FOR REGIONS WITH FALL CRCs IS THE YEAR JUST COMPLETED, AND FOR REGIONS HAVING SPRING CRCs IS THE YEAR ABOUT TO BE COMPLETED.

Appendix N2

#### 4. RESEARCH PROMOTION\FUND-RAISING

QUOTA

TOTAL DOLLARS CONTRIBUTED

NUMBER OF \$50 AND ABOVE CONTRIBUTIONS

COLLECTED MORE DOLLARS THAN ANY PRIOR YEAR IN LAST FIVE

PREVIOUS YEAR

(95/96)

\$ 4150.00

\$ 3522.00

\$

\$

CURRENT YEAR\*

(96/97)

\$ 5000.00

\$ 3943.00

25

#### 5. REFRIGERATION

NUMBER OF HOURS OF CHAPTER REFRIGERATION  
TECHNICAL SESSIONS, PROGRAMS OR TOURS

NUMBER OF THREE-HOUR CHAPTER REFRIGERATION SEMINARS

NUMBER OF REFRIGERATION COURSE HOURS FOR CONTINUING EDUCATION

PREVIOUS YEAR

(95/96)

3

0

0

CURRENT YEAR\*

(96/97)

3

1

0

#### 6. CHAPTER HISTORY

RECEIPT OF SOCIETY GOLD RIBBON AWARD

NUMBER OF LEADERSHIP RECALL INTERVIEWS

NUMBER OF ARCHIVES MAINTAINED

PREVIOUS YEAR

(95/96)

0

0

0

CURRENT YEAR\*

(96/97)

0

0

0

#### 7. CHAPTER PROGRAMS

NUMBER OF HOURS OF CHAPTER TECHNICAL SESSIONS, PROGRAMS  
OR TOURS (EXCEPT REFRIGERATION)

NUMBER OF THREE-HOUR CHAPTER TECHNICAL SEMINARS (EXCEPT REFRIGERATION)

NUMBER OF HVAC&R COURSE HOURS FOR CONTINUING EDUCATION  
(EXCEPT REFRIGERATION)

NUMBER OF JOINT MEETINGS

NUMBER OF CHAPTER SECTION MEETINGS, IF APPLICABLE

ANNOUNCED THE FULL CHAPTER YEARLY PROGRAM WITH SPEAKER  
AND SCHEDULE IN THE CHAPTER NEWSLETTER BY OCTOBER 22

AVERAGE CHAPTER MONTHLY MEETING ATTENDANCE

PREVIOUS YEAR

(95/96)

7

1

0

1

0

0

0

Yes

17

CURRENT YEAR\*

(96/97)

7

1

0

1

0

0

0

Yes

18

# 8. FINANCES

RESERVE FUNDS

CURRENT BALANCE

CHAPTER DUES

MEMBER COST OF MEALS

GUEST COST OF MEALS

PACKAGE PLAN? NO GIVE DETAILS:

PREVIOUS YEAR

(95/96)

\$ 21,000

\$ 8,300

\$ 40

\$ 20

\$ 20

CURRENT YEAR\*

(96/97)

26,493

4051

40

25

25

DESCRIPTION OF OTHER SOURCES OF INCOME:

BI-ANNUAL TRADE SHOW CO-SPONSORED WITH  
CIPH AND IES. LAST HELD SPRING '96 AND  
UPCOMING FOR SPRING '98.

DESCRIPTION OF SPECIAL PROJECTS OR PROGRAMS FUNDED:

1) SCHOLARSHIP FUNDS ONGOING AT UNIVERSITE DE MONCTON  
AND UNIVERSITY OF NEW BRUNSWICK.  
2) ANNUAL AWARD OF \$500.00 TO SON OR DAUGHTER\*

# 9. CRC MOTIONS (ATTACH TO REPORT USING APPROPRIATE FORM)

# 10. CHAPTER PROBLEMS

• "ONE MAN" COMMITTEES.

• CHAPTER SPONSORED SEMINAR TURNOUTS WERE  
LOW.

\* OF A CHAPTER MEMBER ENROLLED IN A 2 YEAR  
HUAL RELATED COURSE (NEW FOR 96/97).

3) \$500.00 ANNUAL FUND TO BE ALLOCATED TO SAINT JOHN  
STUDENT CHAPTER FOR SPEAKERS, TRAVEL, REFERENCE  
MATERIAL ETC.

# 11. CHAPTER INNOVATIONS AND SUGGESTIONS

- Summer "kick-off" Meeting To Discuss And Review New Committees Members Duties (& Motivate Everyone). Solicit New Ideas And Comments For The Coming Year.

## 12. PAOE POINTS

	PREVIOUS YEAR	CURRENT YEAR*
	( 95/96 )	( 96/97 )
MEMBERSHIP PROMOTION	<u>475</u>	<u>495</u>
CHAPTER PROGRAMS	<u>105</u>	<u>650</u>
RESEARCH PROMOTION	<u>261</u>	<u>449</u>
STUDENT ACTIVITIES	<u>972</u>	<u>350</u>
CHAPTER HISTORY	<u>0</u>	<u>0</u>
TECHNICAL, ENERGY & GOVERNMENT ACTIVITIES	<u>475</u>	<u>300</u>
CRC ATTENDANCE	<u>417</u>	<u>N/A</u>
REFRIGERATION	<u>0</u>	<u>300</u>
	<u>2705</u>	<u>2544</u>

TOTAL

### ATTACHMENTS:

1. CRC ACTION ITEMS (MOTIONS)
2. CHAPTER PRESIDENT'S MBOS
3. BEST NEWSLETTER(OPTIONAL)
4. SPECIAL SEMINAR PROGRAM (OPTIONAL)
5. CHAPTER ROSTER (OPTIONAL)
6. PRODUCT DIRECTORY (OPTIONAL)
7. CHAPTER INFORMATION QUESTIONNAIRE \*\*

SIGNED: \_\_\_\_\_

CHAPTER PRESIDENT

\*\* FOR FALL CRCS THE CHAPTER INFORMATION QUESTIONNAIRE WILL COVER THE CURRENT SOCIETY YEAR.  
FOR SPRING CRCS THE CHAPTER INFORMATION QUESTIONNAIRE WILL COVER THE UPCOMING SOCIETY YEAR.

Appendix N2

**N.B./P.E.I. CHAPTER MBO's**

**1997 - 1998**

1. Complete program schedule with speakers and topics by publication of first newsletter September 1, 1997.
2. Put together a 25<sup>th</sup> Anniversary Celebration of the Chapter in September 1997.
3. Increase membership participation to the monthly meetings by 10% by the end of the year.
4. Increase committee participation to increase committee efficiency and easier transition to the committee chairs.

## **1997 - 1998 MEETING SCHEDULE**

- ♦ September 9<sup>th</sup>, 1997:
 

<i>THEME:</i>	<i>25<sup>TH</sup> ANNIVERSARY PARTY</i>
<i>LOCATION:</i>	<i>COCAGNE MARINA</i>
  
- ♦ October 14<sup>th</sup>, 1997:
 

<i>THEME:</i>	<i>ENERGY NIGHT</i>
<i>TOPIC:</i>	
<i>PRESENTER:</i>	
  
- ♦ November 4<sup>th</sup>, 1997:
 

<i>THEME:</i>	<i>RESEARCH PROMOTION NIGHT</i>
<i>TOPIC:</i>	<i>RADIANT FLOOR HEATING</i>
<i>PRESENTER:</i>	<i>HYDRO-MECHANICAL</i>
  
- ♦ December 1997:
 

<i>THEME:</i>	<i>CHRISTMAS</i>
<i>LOCATION:</i>	<i>BOOMERANG'S STEAK HOUSE</i>
<i>PRESENTER:</i>	<i>SANTA CLAUSE</i>
  
- ♦ January 13<sup>th</sup>, 1998:
 

<i>THEME:</i>	<i>PAST PRESIDENT'S NIGHT</i>
<i>TOPIC:</i>	<i>ASHRAE STANDARD FOR SPECIFYING EMCS SYSTEMS</i>
<i>PRESENTER:</i>	<i>STANDARD COMMITTEE MEMBER</i>
  
- ♦ February 10<sup>th</sup>, 1998:
 

<i>THEME:</i>	<i>TEGA NIGHT</i>
<i>TOPIC:</i>	<i>ADVANCED PUMPING APPLICATIONS</i>
<i>PRESENTER:</i>	<i>ITT FLUID PRODUCTS CANADA</i>
  
- ♦ March 10<sup>th</sup> 1998:
 

<i>THEME:</i>	<i>MEMBERSHIP NIGHT</i>
<i>TOPIC:</i>	<i>CHILLED WATER PLANT CONTROLS</i>
<i>PRESENTER:</i>	<i>TRANE</i>
  
- ♦ April 14<sup>th</sup>, 1998:
 

<i>THEME:</i>	<i>REFRIGERATION NIGHT</i>
<i>TOPIC:</i>	<i>ABSORPTION REFRIGERATION</i>
<i>PRESENTER:</i>	<i>YORK INTERNATIONAL</i>
  
- ♦ May 12<sup>th</sup>, 1998:
 

<i>THEME:</i>	<i>EDUCATION NIGHT</i>
<i>TOPIC:</i>	<i>TECHNICAL TOUR IN SAINT-JOHN,NB</i>
<i>PRESENTER:</i>	<i>STUDENT CHAPTER HOSTING</i>
  
- ♦ June 9<sup>th</sup>, 1998:
 

<i>THEME:</i>	<i>INSTALLATION OF OFFICER'S NIGHT</i>
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# **RESEARCH PROMOTION ANNUAL REPORT**

*Prepared for  
ASHRAE REGION II - NB/PEI CHAPTER*

*by  
PAUL STOCKTON - RP CHAIRMAN*

*JULY 4, 1997*

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# 1

## Campaign Goals

The 96/97 RP Campaign had a chapter goal of \$5000 based on previous contributors and the optimistic attitude of the chairman. The Challenge goal was set at \$4875 with a High Five objective of \$3780.

# 2

## The Campaign

The campaign began very slowly with new promotions only starting Dec/96. Approximately \$1200 had been collected late in the 95/96 campaign and was assigned to the 96/97 campaign. The fall collected nearly another \$1200 by the end of the year.

The campaign began to build momentum by Feb/97 and the collections were very good. The campaign came up short of the Chapter goal due to no contribution from past large contributors who had given \$1000 to previous campaigns.

The letter campaign was followed by a series of two personal phone calls to the CEO's of those firms or associations that were good past contributors. This approach collected approximately \$1420 and required several calls to be made to gain the attention of the CEO's.

# 3

## The Results

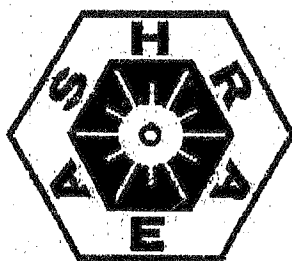
The non-official final results of the 96/97 campaign should be \$3793.08. This amount exceeds the requirement for the High Five Award. The last of three reports to the Research Promotion RVC was sent July 2, 1997 and was for an amount of \$320. All Cheques and form work was sent to the Atlanta Headquarters on the same dates as the RVC Reports (copies attached).

# 4

## Recommendations

The large contributors are very difficult to maintain as return supporters of ASHRAE Research. Chapters should assign individuals who have had success with large contributors to that company as a dedicated RP liason to only that contributor. The contributor would be given monthly reports, ongoing research activity and excerpts from info that is sent to the RP Chairman. As such, the large contributor would be given the additional attention that their large contribution deserves.

As well, the Atlanta Headquarters could provide additional letters of promotion, signed authentically by the President of ASHRAE (not a form letter).



**ASHRAE Chapter - Gerry Waselynychuk**  
**Membership Chairman**  
**120 Rideout Street**  
**Moncton, New Brunswick E1E 1E2**  
**Tel: 1-506-857-8788 Fax: 1-506-857-9890**

July 30, 1997

George Menzies  
R.V.C. Membership Promotion

**SUBJECT: YEAR END REPORT - NB / PEI CHAPTER**

Dear Mr. Menzies

The New Brunswick / Prince Edward Island Chapter of ASHRAE has scheduled completed the following:

**MEMBERSHIP NIGHTS**

We had two membership nights on November 12, 1997 and March 11, 1997. We had four people take membership forms.

**OVERALL CHAPTER REPORT**

Number of national members	92
Number of local members	69
Number of delinquents	6
Number of new members	4
Number of students	28
Number of new student membership	4
Advancements	1
Cancellations	1
Resignations	3

**PROJECTS COMPLETED**

1. Letters to all delinquent student members asking them to join ASHRAE. The majority of these students have completed their courses.
2. Letters and phone call to all delinquent members asking to forward their membership dues.
3. One letter of resignation as a result of phone calls and letters to delinquent members.
4. Two membership nites with 4 new people attending.

**Page 3**  
**YEAR END REPORT - NB / PEI CHAPTER**  
**July 30, 1997**

**MEMBERSHIP LOCATIONS (NO STUDENTS)**

Moncton .....	47
Fredericton .....	15
Saint John .....	14
Prince Edward Island .....	6
Bathurst .....	1
Edmunston .....	2
Sussex .....	2
Out of Province .....	4

**COMPANIES WITH MORE THAN ONE MEMBER**

New Brunswick Community College .....	2
Enerplan Consultants Ltd. ....	4
Sam Erman Plumbing & Heating Ltd. ....	2
Callaghan and Associates Ltd. ....	3
Rehau Industries Ltd. ....	2
Dr. G. L. Dumont Hospital .....	2
Moncton Hospital .....	2
Global Mechanical Ltd. ....	2
University of Moncton .....	2
University of New Brunswick .....	3
Department of Supply and Services .....	2
Hoadley Engineering Ltd. ....	2
D.S. MacKay / Eastcan .....	2
Neill & Gunter Ltd. ....	3

**LARGEST DONATION TO ASHRAE RESEARCH**

Bill Robblee ..... Greystone Industries Ltd.

If you have any further questions, please contact the undersigned.

Yours very truly,

Gerry P. Waselynychuk

GPW/nlf

TO: NB/PEI ASHRAE CHAPTER #21  
 FROM: PHIL ALLISON  
 STUDENT ACTIVITIES COMMITTEE  
 RE: YEAR END REPORT JUNE 10/97

### HIGHLIGHTS OF 1996/97 ACTIVITIES

- Attendance at CRC in London Ontario and participation in "student activities" committee workshop
- Submission of "activity plan" to branch membership in Sept. 1996
- Promoted benefits of student membership in ASHRAE to students of building services program at NBCC Moncton before technical seminar on ground source heat pumps in Oct 1996
- Promoted same to students in refrigeration program at NBCC Saint Andrews during tour of technical facilities in January 1997
- On behalf of NB/PEI executive I delivered \$500 grant to NBCCSJ student branch which was applied to educational activities throughout the year for such items as:
  - aiding with transportation expenses
  - purchase of ASHRAE publications and software
  - supporting student chapter technical events
  - meeting and tour expenses
- In conjunction with student branch at NBCC/SJ, promoted a one day seminar on indoor air quality which was attended by 7 students and 17 industry reps
- Hosted branch meeting in Saint John in February which included a tour of the Irving Lube Plant followed by a social get together at Dooley's. Dwight Scott from UNB Fredericton was also in attendance at this meeting
- Acquired four promotional videos from ASHRAE suitable for the promotion of Engineering as a profession from K-12. These are available for anyone to use.
- Students at NBCC/SJ have had several opportunities during the year to attend technical seminars, go on industrial tours and invite HVAC professionals into the classroom
- Completed statistical reports for POAE and submitted to RVC
- Communicated concerns to RVC over proposed changes to ASHRAE bylaws regarding Student Membership status in the future

I would like to thank the executive and members of NB/PEI chapter for their support and input during the year. I would also like to request the continuation of the \$500 grant that was given to the student chapter in Saint John, to be used in support of this coming years new members and their branch activities. I would also like to recommend that approval be given to award similar grants to to any new student branches that may start up in the coming year.

# TEGA SUMMARY

*Technical, Energy, and Government Affairs Committee Summary Report*

**William Hooper, CET**

TEGA CHAIRMAN - NB/PEI CHAPTER

Phone: (506) 849-0334

Facsimile: (506) 849-0335

E-Mail: whooper@fluids.ittind.com

**ASHRAE -- NB/PEI -- REGION II**

**Attention:** Roland Charneau, P.Eng.

**Company:** Regional Vice Chairman

Technical Energy and Government Affairs

**Reference:** TEGA Activities Yearly Summary

August 6, 1997

**Pages:** 1 in Total

**Date:** August 6, 1997

Summary Report

Sir -- This is the required summary report of the activities of TEGA for our local ASHRAE chapter for the 1996-1997 year. This is to be included with the documentation for this year's CRC in Burlington.

## **Presentations:**

Overall, a total of five qualifying technical presentations were made to professional or business groups. Topics included In-Floor heating, Heat Transfer, and Air Conditioning equipment.

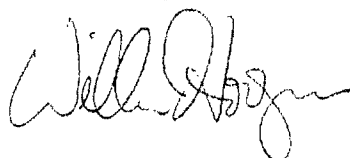
## **Technical Award Entries:**

Unfortunately, there were no award entries during this year.

## **Government Affairs Awards:**

Unfortunately, there were no award entries during this year.

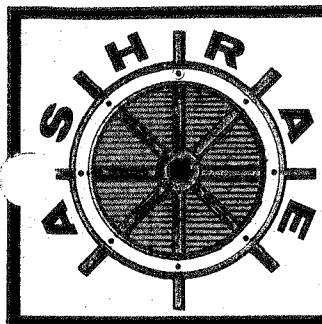
Respectfully Submitted,



William Hooper, CET

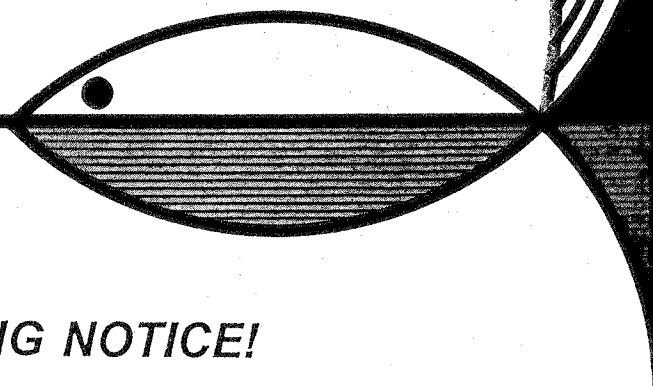
**CC:** Bill Goobie -- The Moncton Hospital

Stephen Tweedie -- Enerplan



# The Herring Choker

**ASHRAE**  
NB PEI CHAPTER



## MONTHLY MEETING NOTICE!

This year's sixth meeting is scheduled for Tuesday, February 11, 1997 in SAINT JOHN, NB.

The theme for this month is *Education Night* and includes a tour of the Irving Oil Limited - Lubricants Plant in Saint John, NB. A dinner meeting will follow the tour.

All attendees must meet at the front entrance to the plant no later than 2:30 PM. The plant is located off the Courtenay Bay Causeway.

Those leaving the Moncton area and interested in car pooling, please meet in the Moncton Coliseum parking lot, adjacent the City Works Department fence, at 12:00 noon. A car pool will be arranged to Saint John.

Arrangements have been made for a dinner meeting from 5:00 PM - 7:00 PM at Dooleys, Westmorland Plaza. All are welcome to attend the dinner meeting.

PLEASE COME OUT TO SUPPORT THE STRONG EFFORTS OF OUR LOCAL STUDENT CHAPTER.



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## NEXT MONTH

The March meeting will be held on Tuesday, March 11, 1997. The meeting theme will be "*Membership Night*" and the presentation topic will be "*BAC Net - The Ultimate control Solution?*"

Please note that the date for April's meeting is scheduled for Tuesday, April 15, 1997, not April 8th as previously published.

**NOTICE:** Anyone interested in advertising business cards in the monthly Herring Choker, starting in March issue, please contact Andy Cowan for more information - phone: (506) 386-3967.

## JANUARY'S MEETING IN REVIEW

- Stephen Tweedie opened the meeting at 6:25 PM, introducing guests. John Dugan, our Regional Chairperson, was in attendance and presented a PAOE award to the Chapter for 1995/96.
- Stephen discussed the key issues of the executive meeting.
- The presentation by Schuller International began at 7:30 PM.
- The meeting was adjourned at 8:45 PM.



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# ASHRAE SCHOLARSHIP

The ASHRAE NB/PEI Chapter Scholarship has been awarded to Justin Beaulieu of New Brunswick Community College - Saint John Campus.

Justin is a second year student enrolled in Mechanical Engineering Technology - HVAC program. Justin is also a student chapter officer.

The scholarship will be formally presented at the February dinner meeting.


\*\*\*\*\*

# ASHRAE NEWS

## RESUME DATABANK HELPS NEW GRADUATES, UNEMPLOYED MEMBERS & EMPLOYERS CONNECT

Through the ASHRAE Resume Program, the Society now offers recent graduates, student members nearing graduation, and unemployed members a new tool to assist them in finding a position in the HVAC&R industry. Those who participate in this program will have their resumes listed on the ASHRAE Home Page for six months. Employers also will be able to use this service to review resumes of potential job candidates.

The Society's Membership Department will send the Resume Databank Software Program diskettes to student members as they qualify for this program and will invite unemployed members to participate as their need becomes known. The software program contains a resume format that can be listed on the ASHRAE Home Page. The first resumes were listed on the ASHRAE Home Page in October.

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## How ASHRAE Came To Be

1938

45th Annual Meeting

A.S.H.V.E.

January 22-26

William Penn Hotel \* Pittsburgh, PA

Members attending the 45th Annual Meeting of the Society find the technical sessions intensely interesting and the hospitality of Pittsburgh Chapter most enjoyable. By all indications, this is a notable meeting from the standpoint of attendance, interesting discussions, and the variety of technical papers. It is entirely fitting that this meeting is held in Pittsburgh, given the fact that 1939 commemorates the 20th anniversary of the establishment of the Society's Research Laboratory in Pittsburgh. The majority of those men who have served as chairmen of the Committee on Research since 1919 are present. A total of 570 people are registered with more than 300 of these being members.

President Gurney announces that future Society presidents should not be expected to travel to the individual chapters as frequently. The first and second vice-presidents should do this instead. This will enable the upcoming officers to become more knowledgeable about members and chapters in advance of their own presidencies and allow the president to make and maintain very important outside contacts.

One of the highlights of the meeting is a special broadcast from station KDKA, arranged by T. F. Rockwell, secretary of the Pittsburgh Chapter, on the Relationship of Atmospheric Environment to Comfort and Health. Those who take part in this radio interview are President Gurney, W. L. Fleisher, Prof. C.E.A. Winslow, Dr. Charles Sheard and Mr. Sutherland, KDKA announcer.

Visiting members, guests, and ladies, who attend the 45th Annual Meeting of the Society, take up the program of entertainment planned by the Pittsburgh Chapter with a spirit and zest which assure the success of the various scheduled events. Partying begins early with an informal reception on Sunday, January 22. A wide variety of dinners, tea parties, technical and social programs follow and the meeting ends with dancing following the banquet on Wednesday, January 25. Members and guests leave Pittsburgh with a feeling that they have participated in a very enjoyable and successful meeting and offer their thanks and congratulations to the Host Chapter of Pittsburgh.

ASHRAE Home Page Address: <http://www.ashrae.org>



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## MOTION FOR N.B./P.E.I. CHAPTER REGION II

Moved by: **Mr. Bill Goobie**

Motion: *Move that the following phrase of Section 2.9 defining Student Members. "Student Member status shall terminate one year after graduation from school, or one year after the time the student member leaves school" be left as is in the definition.*

Background info: In response to the proposed revision to ASHRAE BYLAWS of June 1997 our Student Activities Chairman came up with this motion. His argument behind it being that this period of time is one of transition for students during which ASHRAE can provide a valuable service to these potential full time members.

Fiscal Impact: Investment in recruiting more full time members. Positive fiscal impact.

Vote Count: For: \_\_\_\_ Against: \_\_\_\_ Abstained: \_\_\_\_ Chair Voting: \_\_\_\_

Passed: \_\_\_\_ Failed: \_\_\_\_ Withdrawn: \_\_\_\_

Referred to: \_\_\_\_\_

# ASHRAE – NB/PEI Chapter

## Chapter Officers for 1997-1998

### **PRESIDENT: Bill Goobie**

#### Address:

Southeast Healthcare Corp. – Plant Operations  
35 MacBeath Avenue  
Moncton, NB E1C 6Z8

TEL: (506) 857-5600 / FAX: (506) 857-5601  
E-Mail: goobie@nbnet.nb.ca

### **PRESIDENT-ELECT: Bill Hooper**

#### Address:

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### **VICE-PRESIDENT: Andy Cowan**

#### Address:

Controls & Equipment Ltd.  
333 Pacific Avenue  
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E-Mail:

### **SECRETARY: Jeff Hayward**

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### **TREASURER: Derek Weldon**

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### **Phil Allison** (Student Chapter Liaison)

#### Address:

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### **Grant Bourque** (Board of Governors)

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### **Dave Cowan** (Chapter Historian)

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333 Pacific Avenue  
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E-Mail:

### **Luc Dugas** (Board of Gov's./Newsletter Editor)

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Port Elgin, NB E0A 2K0

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E-Mail:

### **Duncan Harvey** (Refrigeration Committee Chair)

#### Address:

REFAC Ltd.  
235 Baig Boulevard  
Wells, NB E1E 1E1

TEL: (506) 857-8344 / FAX: (506) 857-9405  
E-Mail:

### **Gary LeBlanc** (Board of Governors)

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Dieppe, NB E1A 6B8

TEL: (506) 382-8625 / FAX: (506) 382-8626  
E-Mail:

<b>Travis Lutes</b> (Board of Governors)
Address:
IPEX Inc. P.O. Box 127 Grandview Industrial Park Saint John, NB E2L 3X8
TEL: (506) 633-7473 / FAX: (506) 633-8720 E-Mail:

<b>Carman Travis</b> (Board of Gov's./Program Chair)
Address:
Enerplan Consultants Ltd. 100 Cameron Street (Suite 5008) Moncton, NB E1C 5I6
TEL: (506) 858-1300 / FAX: (506) 858-1906 E-Mail:

<b>Steve Tweedie</b> (Research Promotion Chair)
Address:
Enerplan Consultants Ltd. 100 Cameron Street (Suite 5008) Moncton, NB E1C 5I6
TEL: (506) 858-1300 / FAX: (506) 858-1906 E-Mail:

<b>Gerry Waselynychuk</b> (Membership Promotion)
Address:
Indotec Agencies Atlantic Inc. 120 Rideout Street Moncton, NB E1E 1E2
TEL: (506) 857-8788 / FAX: (506) 857-9890 E-Mail:

American Society of Heating, Refrigeration, and Air-Conditioning Engineers

Special 1997/1998 Preliminary Meeting, August 7, 1997

## MINUTES

Chapter Name: NB / PEI Chapter

Attendees:	Bill Goobie Grant Bourque Duncan Harvey Steve Tweedie Derek Weldon Luke Dugas	Bill Hooper Gerry Waselynychuk Gary Leblanc Travis Lutes Phil Allison
------------	--	---

### Minutes: Special Meeting

Location: MCA Boardroom

Bill G. called the meeting to order at 12:07 pm, opening by passing out folders to all in attendance for each person's current responsibilities in their respective committee or position. The folders contained copies from the chapter operations manual, the proposed schedule of events for the coming year, a PAOE newsletter to explain the system, and by-laws for the chapter.

Regarding the Board of Governors (BOG), Bill G. would like to see this position follow the manual closer. For example, the year end reports from each committee is supposed to go to the BOG. This was agreed by most in attendance, and would help the BOG to be more involved with more regular duties.

It was noted that the BOG has a vote, and should have input regarding chapter operations. We need to value their input more!

There was discussion on who, and what chairs are attending this year's CRC. The roster was mentioned, and should give us the best showing in years.

Bill G. proposes a change for next year's seating arrangements and agenda for the general meetings.

- People sitting across from each other instead of in the traditional "C" shape with a head table
- The Technical program should be the main thrust of the evening
- After the Technical program, we could have the social time
- There could be a question period during the meal
- The Technical program should perhaps have chairs only
- Proposed: 5pm – 6pm (Happy Hour), 6pm – 7pm (Speaker/Guest), 7pm on, (Meal & Social)

Bill G. proposed to make the chair of the evening have a more active role by going over the committee they chair, explaining how they could get PAOE points, and perhaps introducing the speaker, or assisting the program chair in some way.

Bill H. mentioned that it may be a good idea to read a brief overview of the minutes at the general meeting to help the guests feel more a part of the process, or to better understand how the chapter operates.

Phil wanted to confirm that all of the meetings would be held at Boomerangs. He also wondered if it would be feasible to take our show on the road to PEI or Fredericton. Gerry mentioned that he did some study into this and found that Moncton was the best place for a number of reasons. Duncan confirmed this also, and the general consensus was to keep the meeting in Moncton.

Phil suggested that Student Activity night be later in the year so that travel to Saint John or Moncton would be easier weather-wise.

As noted above regarding venue changes, Phil's suggestion that the Radiant Floor seminars be held in Sussex was not approved.

Energy night seems to fall under the direction of TEGA. Bill H. to talk with Carman to find out who the speaker will be.

Bill G. mentioned that executive/BOG should be introducing themselves during the general meeting. Phil mentions nametags may be a good way to go, and the by-laws make a mention of this. Bill H. to look into ordering the nametags from ASHRAE. Gerry thinks that these may be free.

Steve asks about speaker's gifts, and Bill G. will confirm that they have been ordered.

Bill G. to ask that Jeff Hayward turn over the key chain gifts to Carman Travis.

Gerry mentions that New Brunswick has a video for tourism that may make a nice gift for out of town speakers.

Bill G. suggested that the chair heading up a particular night should have more detailed information on the speakers for pre and post Herring Choker newsletters. This will perhaps make it more appealing for guests to come to the meetings if they are aware of the topics to be covered.

Many have mentioned that the Choker should be out sooner. Some do not get their newsletters until the day before or the day after the meeting. For this to happen, information must be to Luke Dugas no later than two weeks prior to the meeting. Phil mentions that the list of committee chairs in the Choker should have the fax numbers as well as the phone numbers.

Regarding the 25<sup>th</sup> Anniversary celebrations, Steve suggests that we all invite guests, potential members, and that somebody should check to ensure that Lobster AND Steak would be available for the Shediac location.

Gerry mentions that any speakers coming in from out of town should also do afternoon seminars.

Phil mentions that we should put the dates for MEET 98 in the Chokers.

Bill G. adjourned the meeting at 1:20pm.



## ASHRAE NB/PEI CHAPTER 1997/1998 MEETING SCHEDULE

September 9, 1997:	Theme:	25 <sup>th</sup> Anniversary Party
	Location:	Cocagne Marina
	Guest Speaker:	Don Holte, ASHRAE Society President
October 14, 1997:	Theme:	Energy Night
	Topic:	Sable Island Gas Project
	Presenter:	New Brunswick Departement of Natural Resources and Energy
November 4, 1997:	Theme:	Research Promotion Night
	Topic:	Radiant Floor Heating
	Presenter:	Hydro-Mechanical Sales Ltd.
December 5, 1997:	Theme:	Christmas
	Location:	Boomerang's Steak House
	Presenter:	Santa Claus
January 13, 1998:	Theme:	Past President Night
	Topic:	ASHRAE Guideline to specify DDC Systems (GPC13P)
	Presenter:	Standard Committee Chairperson
February 10, 1998:	Theme:	TEGA Night
	Topic:	Advanced Pumping Applications
	Presenter:	ITT Fluid Products Canada
March 10, 1998:	Theme:	Membership Night
	Topic:	Chilled Water Plant Controls
	Presenter:	Trane
April 14, 1998:	Theme:	Refrigeration Night
	Topic:	Absorption Refrigeration
	Presenter:	York International
May 12, 1998:	Theme:	Education Night
	Topic:	Technical Tour in Saint-John, NB
	Host:	Saint John Student Chapter
June 19, 1998:	Theme:	Installation of Officers Night
	Presenter:	Chapter Executive



1997-1998

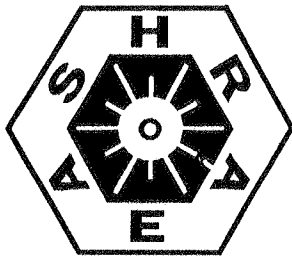
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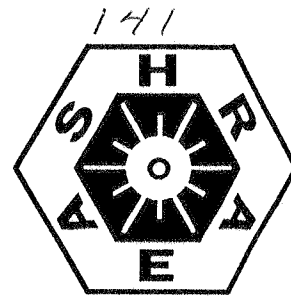
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ASHRAE NB AND PEI CHAPTER  
CHAPTER OFFICERS

<u>TITLE</u>	<u>NAME</u>	<u>PHONE</u>	<u>FAX</u>
President	Bill Goobie	(506) 857-5600	(506) 857-5601
Treasurer	Derrick Weldon	(506) 858-1300	(506) 858-1906
President Elect	Bill Hooper	(506) 849-0334	(506) 849-0335
Board of Governors	Grant Bourque	(506) 857-1000	(506) 857-1002
	Luc Dugas	(506) 538-2346	(506) 538-7458
	Gary Leblanc	(506) 382-8625	(506) 382-8628
	Travis Lutes	(506) 633-7473	(506) 633-8720
	Steven Tweedie	(506) 858-1300	(506) 858-1906
	Carman Travis	(506) 858-1300	(506) 858-1906
Vice-President	Andy Cowan	(506) 857-8833	
Secretary	Jeff Hayward	(506) 857-4887	(506) 857-4989
Student Chapter Liaison	Phil Allison	(506) 658-6734	(506) 658-6792
CRC Delegate	Bill Goobie	(506) 857-5600	(506) 857-5601
CRC Alternate	Bill Hooper	(506) 849-0334	(506) 849-0335
Refrigeration Committee Chair	Duncan Harvey	(506) 857-8344	(506) 857-9405
Research Promotion Committee Chair	Steven Tweedie	(506) 858-1300	(506) 858-1906
Membership Promotion Committee Chair	Gerry Waselynychuk	(506) 857-8788	(506) 857-9890
Technical, Energy & Government Activities Committee Chair	Bill Hooper	(506) 849-0334	(506) 849-0335
Student Activities Committee Chair	Phil Allison	(506) 658-6734	(506) 658-6792
Newsletter Editor	Luc Dugas	(506) 538-2346	(506) 538-7458
Chapter Programs Committee Chair	Carman Travis	(506) 858-1300	(506) 858-1906



# 25TH ANNIVERSARY ASHRAE NB/PEI CHAPTER



**DATE:** SEPTEMBER 9, 1997

**TIME:** 5:00 PM

**LOCATION:** COCAGNE MARINA  
(BUS TRANSPORTATION PROVIDED)

**PICK UP POINT:** CHAMPLAIN MALL PARKING LOT  
(BEHIND SWISS CHALET)

**COST:** \$40.00/PER PERSON

**GUEST SPEAKER:** MR. DON HOLTE - SOCIETY PRESIDENT

## JOIN US TO CELEBRATE OUR GREAT HISTORY

**INCLUDED:**

- ☛ TRANSPORTATION TO AND FROM COCAGNE
- ☛ COCAGNE HARBOUR CRUISE
- ☛ REFRESHMENTS ON THE BUS & BOAT
- ☛ HOT SHELL FISH APPETIZERS ON BOAT
- ☛ 2 - LOBSTER DINNER WITH ALL THE TRIMMINGS
- ☛ DANCE TIL MIDNIGHT WITH LIVE ENTERTAINMENT

**PLEASE FAX OR PHONE YOUR NAME AND COMPANIONS NAME TO:**

STEVE TWEEDIE TEL: 506-858-1300 FAX: 506-858-1906  
OR GERRY WASELYNCHUK TEL: 506-857-8788 FAX: 506-857-9890

**REGISTRATION FOR 25TH ASHRAE ANNIVERSARY CELEBRATION**

NAME: \_\_\_\_\_

COMPANION: \_\_\_\_\_

TELEPHONE: \_\_\_\_\_

***DIRECTIONS TO MARINA TAKE HIGHTWAY 11 TO EXIT 15 (IF NOT TAKING THE BUS)***

***PLEASE RESPOND BY AUGUST 20, 1997 AS WE MUST CONFIRM NUMBERS FOR THIS EVENT.***

**LET'S MAKE IT A SUCCESSFUL EVENT!**


**ASHRAE**

American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc.

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**NB/PEI Chapter – Region 2**  
**EXECUTIVE MEETING – First Meeting of the Season: 14 October 1997**

## MINUTES

### ATTENDEES

Bill Goobie (BG)  
 Carman Travis (CT)  
 Gerry Waselynychuk (GW)  
 Steve Tweedie (ST)

Gary LeBlanc (GL)  
 Travis Lutes (TL)  
 Bill Hooper (BH)  
 Jeff Hayward (JH)

Grant Bourque (GB)  
 Luc Dugas (LD)  
 Derek Weldon (DW)  
 Phil Allison (PA)

Three Student Chapter executive members – President, Vice-President, Treasurer

- BG called meeting to order at 3:50 PM.
- JH read minutes from last executive meeting (07 August, 1997); motion to accept minutes as read by GW, second by PA.

### BUSINESS ARISING:

- PA: M.E.E.T. '98 Dates are only 1 week prior to chapter meeting in Saint John; consensus is that this will not create a problem or conflict.
- BG: Who will handle speaker introductions (i.e. – should this be the committee chair's responsibility)? All agreed that at November meeting this would begin with Steve Tweedie (Research/Promotion Chair) introducing the speaker.
- BG: The Herring Choker was out with plenty of lead time before the meeting date; all agreed "Excellent job, Luc!".
- PA: Asks that Student Chapter members receive the "Choker" individually (by mail, etc.). GW suggests that we provide multiple copies for PA to distribute.

### COMMITTEE REPORTS:

- Treasurer (DW) - Figures to date for 25<sup>th</sup> Anniversary celebration appear to be within budget; question raised re: "no-shows" (there are also two attendees left to pay). Should we invoice those who committed to attend but did not, or should we send a letter of 'disapproval' stating that their absence will cost the Chapter directly. GW offers that DW invoice all no-shows for their attendance fee of \$40.00 per person. TL seconds motion, however motion is defeated in a 7 to 5 vote. It was agreed by all that a note in the next Herring Choker regarding the loss incurred by the Chapter was in excess of \$500.00 due to "no-shows". BH agrees to write the notice.
  - DW reviews current Terms & Shares from Financial Statement (10 June 1997 to 30 September 1997).
  - DW adds that CRC '97 is \$600.00 over budget, not including expense claims forthcoming from ST, GW, BG, & BH. DW to issue cheque for ½ of cost of Hospitality Suite @ CRC '97 (\$492.70).
  - GW motions that \$2500.00 be transferred to new chequing account from "CRC '98 "seed" for up-front expenses, with GW & DW having signing authority. Seconded by ST. All agreed.
- President-Elect (BH) – requests that Committee Chairs copy him on all reports.
- Program Chair (CT) – PAOE points were good for September, as we had the yearly program itinerary before the October deadline.

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**ASHRAE**

American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc.

004/005

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## MINUTES, continued

### COMMITTEE REPORTS:

- Program Chair (CT)
  - CT requests program suggestions for June '98 "Installation of Officers Night".
  - CT advises that we have the option to have a speaker from the "distinguished speaker" list, however, a proposal requesting such must be sent to ASHRAE in conjunction with Halifax Chapter. It must be noted that we do not really have a choice on who will be coming, availability of speakers solely depends on the speakers' schedules.
- Membership/CRC Chair (GW) – A new telephone contact list of Chapter members is ready; copies are given to telephone committee volunteers (TL, GL, GB, & GW).
  - GW requests volunteers to help with various tasks relating to CRC '98; people are found to help with all tasks.
- Refrigeration Chair (Duncan Harvey) – Not present.
- Student Activities Chair (PA) – Will provide activity report to BG with copy to BH.
- Research/Promotion Chair (ST) – Notices to potential contributors will be sent out before November meeting. Certificates for '96/'97 donors hopefully will be here so presentations can be made at November meeting.
- TEGA Chair (BH) – Please advise if any members have speakers coming to the area for technical seminars; we can get PAOE points for these even if they are not available to speak at Chapter meetings. BH also solicits design project submissions from consultants.

### NEW BUSINESS:

- BG notes that meeting minutes are to be sent to DRC (Darryl Boyce) and Regional Program Chair (Owen Glendon).
- BG asks what is required for submissions to Insights; LD to follow up. BG notes that the only Region 2 submissions seem to come from Toronto almost exclusively.
- BG distributes copies of '97/'98 PAOE newsletter & contact sheet for all Region 2 officers.
- BG notes that Chapter Bursary applications must be made by December '97.
- BG points out that a person is required to be caretaker of Chapter memorabilia (i.e. – golf and boat race trophies, etc.); it is agreed that these and other items will be looked after by the Chapter Historian.
- It is noted that the Chapter needs a new awards banner – motion to purchase by ST, seconded by GW.
- LD to submit one of the 25<sup>th</sup> Anniversary photos to Insights.
- A "meeting raffle" idea is discussed – should we think about having a draw at the end of the year (for an as yet unspecified prize), with a ticket given to each attendee at the monthly meetings. Further discussion will be needed on this issue before any decisions are made.
- The Christmas Party is to be held at Boomerang's on Friday, December 5<sup>th</sup>; a notice will be put in November's newsletter. The menu must be finalized by mid-November. It is suggested that we invite APENB members again (CT to contact APENB social chair John Sparks regarding this. PA adds that we should also invite NBCET members as well – all agreed to do this. CT asks for suggestions regarding entertainment.

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**ASHRAE**

American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc.

## MINUTES, continued

### NEW BUSINESS:

- CT asks for input re: venues for the Saint John tour in May. PA suggests a repeat of last year's meeting wrap-up at Dooly's in Saint John; it was agreed that we would do that again.
- GW & PA both suggest that newsletters regarding Christmas Party & Saint John tour be sent in November & April respectively in order to possibly get more turnout at both events.
- Paul Stockton's note relaying a request by NBCC Moncton for 20 ductilators is read by BG. The request is accepted and 20 ductilators will be purchased from Trane for \$10.00 each.
- ST asks status of R & P Term interest. DW advises interest on Term 40 (\$6000.00) is \$240.00; a transfer to General Account will be made on April 1<sup>st</sup>.
- TL asks how much revenue is generated for ASHRAE as a result of M.E.E.T. show. Response is approximately \$8000.00 to \$ 10000.00 depending on the number of ASHRAE-related booths in the show.
- ST suggests we have an overview of the M.E.E.T. '98 show from the show's ASHRAE representatives (Gary Fahie, Paul Stockton, & Robin Craig). We will try to have this at the November meeting.
- PA motions to adjourn at 5:30 PM; seconded by GB.

Respectfully Submitted,

Jeff Hayward

Chapter Secretary

*Nov 4/97  
→ Harbour Station  
→ Dooly's  
→ combined with  
PPEUS.*

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**ASHRAE**

American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc.

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## Chapter Meeting Minutes

### COVER SHEET

**Chapter Name:** NB/PEI, Region 2

**Meeting Date:** 14 October 1997

**Attendance:** Members – 26

**Joint Meeting:** No

Guests - 1

Joint with who ? – N/A

**Theme Night ?:** Energy Night

**Technical Speaker/Program:** Yes – Mr. Donald E. Barnett, Assistant Deputy  
Minister – New Brunswick Department of  
Natural Resources and Energy

**Technical Topic:** The Sable Island Gas Project

#### GENERAL MEETING:

- Bill Goobie called the meeting to order at 6:00 PM by welcoming all in attendance.
- Everyone attending was asked to introduce themselves, and the '97/'98 Chapter Executive were introduced, as this was the first 'regular' general meeting of the season.
- Bill Hooper, TEGA Chair, introduced the evening's speaker, Mr. Donald Barnett, who then proceeded to deliver a very informative and enlightening presentation on the Sable Island Gas Project.
- After the presentation and an equally informative question period, Carman Travis thanked Mr. Barnett for his excellent (and entertaining) presentation.
- Bill Goobie closed the technical section of the meeting, informing the attendees that meal time had arrived. The meeting was adjourned by Bill following the meal.

CHAPTER MAY NOT ACT FOR SOCIETY




**ASHRAE**

American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc.

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**NB/PEI Chapter – Region 2**  
**EXECUTIVE MEETING – Second Meeting of the Season: 04 November 1997**

## MINUTES

### ATTENDEES

Bill Gooble (BG)  
 Carman Travis (CT)  
 Gerry Waselynchuk (GW)  
 Steve Tweedie (ST)

Gary LeBlanc (GL)  
 Travis Lutes (TL)  
 Andy Cowan (AC)  
 Jeff Hayward (JH)

Grant Bourque (GB)  
 Luc Dugas (LD)  
 Derek Weldon (DW)  
 Phil Allison (PA)

- BG called meeting to order at 3:40 PM.
- Due to the fact that minutes from last executive meeting (14 October 1997) were given to all in attendance prior to this meeting, the motion to accept minutes was made by PA, second by CT.

### BUSINESS ARISING:

- PA: Thanks for the multiple copies of the Herring Choker that were sent to the Student Chapter members in Saint John, the students appreciated being kept abreast of Chapter events.

Activity notes for the Student Chapter have been submitted to BG & Bill Hooper.

The spring technical tour has been scheduled for 12 May 1998 at Harbour Station arena in Saint John, with the tour wrap-up to be held at Dooly's.

TL & DW to check with APENB members regarding their attendance at the technical tour in conjunction with our ASHRAE group.

- PA advises that no bursary applications have been received as of today.
- ST: We should put a bursary application form in next month's newsletter. ST to forward a copy of the application form to LD.
- BG: The Chapter awards banner has been ordered by DW.
- ST: As of today, only a list of donor award recipients has been provided by Atlanta; the awards (coins, plaques, etc.) are not available from the manufacturer yet, however, the award certificates are on the way.
- TL: The Christmas party will also be attended by members of APENB. It is suggested that we try a 'finger-food' buffet this year rather than a sit-down meal; all agreed that this idea, in combination with a later starting time for the evening's festivities, might result in a larger attendance. CT to co-ordinate with John Sparks of APENB to firm up details of the evening's program. It is decided that we will purchase a case of wine, giving tickets at the door to the ladies for several prize draws of individual bottles.

CHAPTER MAY NOT ACT FOR SOCIETY

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## MINUTES, continued

### COMMITTEE REPORTS:

- Treasurer (DW) – The chequing account for CRC '98 has been set up. Terms & Shares from financial statement are reviewed. The expense reimbursements have been received for the attendees of CRC '97, which brings the costs within budget.
  - DW reads a letter sent to the Chapter by member Colin Peel; Colin is resigning his membership in ASHRAE due to retirement. It is decided that we will send Colin a special invitation to the Christmas party – BG will respond to Colin's letter and send an invitation as well.
  - BG: BG & DW will draw up an annual or bi-annual budget for the Chapter, due to the fact that we need to show the designation of all Chapter funds (i.e. – Expenses vs. Revenue).
  - ✓ • BG asks that LD put a note in the next Herring Choker requesting that anyone who has any Chapter materials (correspondence, records, statements, memorabilia, etc.) so everything can be consolidated on one location.
- President-Elect (Bill Hooper (BH)) – Not in attendance.
- Program Chair (CT) – PAOE points were good for October, due to the genre of our technical speaker. A summary of the October meeting is reviewed.
- Membership/CRC Chair (GW) – advises that the Chapter now has 5 official new members.
  - GW provides files to each of the CRC '98 volunteers, providing information on their respective tasks; more information will be forthcoming.
- Refrigeration Chair (Duncan Harvey (DH)) – Not in attendance.
- Student Activities Chair (PA) – Activity report has been given to BG with copy to BH.
- Research/Promotion Chair (ST) – The Chapter has made a commitment to "Full Circle" status. A \$100.00 donation is required from all six Executive members.
  - ST & Paul Stockton will solicit larger investors/donors to Research Promotion (i.e. – Kanalfakt, NB Power, & Irving). ST asks for volunteers to help in contacting potential donors; BG agrees to help.
- TEGA Chair (Bill Hooper (BH)) – Not in attendance, however, the TEGA report has been submitted, and is reviewed by BG.
- Historian (Dave Cowan (DC)) – Dave is ill and not in attendance.

### NEW BUSINESS:

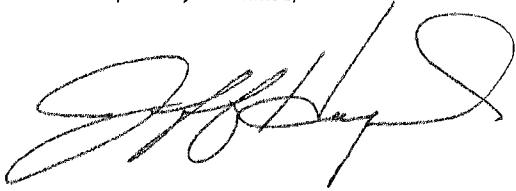
- BG: the information session on M.E.E.T. '98 will not be held today, as Gary Fahie (the ASHRAE representative) was unable to attend today's meeting. AC suggests that BG ask Gary Fahie to write a brief overview of M.E.E.T '98 for inclusion in the December newsletter.
- It is agreed by all in attendance that we have to meet with the ASHRAE representatives for M.E.E.T. '98 to get more information on the show and to get a list of prospective companies to contact regarding their intent to take a booth at the show. Another list is required of those who have already been contacted on behalf of ASHRAE. It is also agreed that this needs to be done A.S.A.P., as we need to get the percentage of ASHRAE-related booths up. The revenue generated from these booths is critical to the financial health of the Chapter and its activities.
- ✓ • LD: The quantity of printing stock used for the Herring Choker monthly newsletter is sufficient for the next 3 to 4 issues. We have to include a notice in the January newsletter inviting the Research Promotion donors to attend and receive their awards for contributing.
- The consensus among attendees is that the notice regarding the Chapter's loss of funds due to attendance shortfalls at the 25<sup>th</sup> Anniversary celebration was excellent.
- BG notes again that the timing of distribution and writing of the Herring Choker was excellent.

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## MINUTES, continued

- ✓ LD asks how much expense is involved in producing the newsletter; he needs this information in order to invoice the Chapter for printing costs & postage.
- ✓ LD asks if there should be a notice regarding a December Executive meeting in the newsletter. BG replies that as of now, there will not be a December Executive meeting. However, if there is enough information regarding the M.E.E.T. '98 show, etc., then he will call an emergency meeting.
- BG: regarding the question on providing scholarship funds to UNBSJ and the Community Colleges in addition to UNB Fredericton and the Universite de Moncton, at this time we have funds established at both UNB Fredericton and Universite de Moncton. Further to this, JH is asked to forward a letter to the awards offices at both universities regarding future correspondence sent to our Chapter (i.e. - current mailing address, etc.)
- Regarding the service & organization of last month's meeting, CT advises that he spoke with Boomerang's representative about the extraordinarily long time (45 min. +) that it took to serve the meal. It is hoped that this will not occur again. CT asks that the Phone Committee members inform him of confirmed meeting attendees by the Thursday prior to each meeting at latest, in order that the restaurant can set up for our meeting.
- PA motions to adjourn at 5:05 PM; seconded by GL.

Respectfully Submitted,



Jeff Hayward

Chapter Secretary


**ASHRAE**

American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc.

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## Chapter Meeting Minutes

### COVER SHEET

**Chapter Name:** NB/PEI, Region 2

**Meeting Date:** 04 November 1997

**Attendance:** Members – 23

**Joint Meeting:** No

Guests - 1

Joint with who ? – N/A

**Theme Night ?:** Research Promotion Night

**Technical Speaker/Program:** Yes – Mr. Jim Bell – Hydro-Mechanical Sales Ltd.

**Technical Topic:** Radiant Floor Heating System Design and Installation

#### GENERAL MEETING:

- Bill Goobie called the meeting to order at 6:00 PM by welcoming all in attendance.
- Everyone attending was asked to introduce themselves, as has become the 'custom' since the season's meetings began.
- Bill Goobie reads a letter from the University of New Brunswick, advising the Chapter of this year's recipient of the ASHRAE-sponsored scholarship, Ms. Jennifer Sherrard, a fifth-year Mechanical Engineering student.
- Steve Tweedie, Research Promotion Chair, gives a brief overview of the Research Promotion program and the Chapter's goals for the current year. Steve then introduces the evening's speaker, Mr. Jim Bell. Mr. Bell proceeded to deliver an excellent presentation on design and installation practices of radiant floor heating systems.
- After the presentation, Carman Travis thanked Mr. Bell for his informative and enjoyable presentation.
- Bill Goobie closed the technical section of the meeting at 7:15 PM, inviting all in attendance to partake in the evening meal. The meeting was officially adjourned by Bill following the meal.

CHAPTER MAY NOT ACT FOR SOCIETY



**ASHRAE**

American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc.

003/004

150

**NB/PEI Chapter – Region 2  
EXECUTIVE MEETING – Third Meeting of the Season: 13 January 1998**

## MINUTES

### ATTENDEES

Bill Goobie (BG)  
Carman Travis (CT)  
Duncan Harvey (DH)  
Steve Tweedie (ST)

Gary LeBlanc (GL)  
Bill Hooper (BH)  
Andy Cowan (AC)  
Jeff Hayward (JH)

Grant Bourque (GB)  
Luc Dugas (LD)  
Phil Allison (PA)

- BG called meeting to order at 3:42 PM.
- BG notes that minutes from last executive meeting (04 November 1997) were given to all in attendance prior to this meeting and asks for any offers of errors or omissions to the minutes. PA motions to approve the minutes as submitted; motion is seconded by GB.

### BUSINESS ARISING:

- PA asks for the results of the meeting regarding MEET '98. BG advises that, as of early December, approximately 250 booths have been sold for the show, 65 to 70 of these are ASHRAE-affiliated booths. BG also notes that the "big push" to increase booth sales will be in February; the ASHRAE Chapter executive has offered to help solicit for booth sales and the show organizers have agreed to accept the offer.
- AC advises LD to submit costs for the Herring Choker (copy & postage, etc.) to the Chapter for reimbursement.
- BG: We have received the new Chapter Awards Banner; regarding the resignation letter received from Colin Peel, Colin was contacted and invited to the Christmas Party but declined.

### COMMITTEE REPORTS:

- Treasurer (Derek Weldon (DW)) – Not in attendance.
- President-Elect (Bill Hooper (BH)) – Nothing to report.
- Program Chair (CT) – The March (10<sup>th</sup>) meeting speaker is now going to be York (originally scheduled for 14 April). Trane has had trouble committing to the March 10<sup>th</sup> date. York has volunteered to move to 10 March. Trane will present at the meeting on 07 April, the topic being ASHRAE Standard 62 (this will also be Membership Night).  
  
CT is also going to explore the possibility of getting a distinguished speaker for the '98-'99 season. This will have to be done as a joint application with the Halifax Chapter.
- Membership/CRC Chair (Gerry Waselynychuk (GW)) – Not in attendance.

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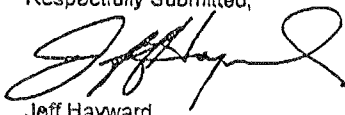
## MINUTES, continued

- Refrigeration Chair (DH) – Nothing to report, except that Hugh Crowther, P. Eng. is the new Refrigeration R.V.C. for Region II.
- Student Activities (PA) – PAOE points have been corrected. The Student Chapter has a technical tour booked for refrigeration systems at Moosehead Breweries in Saint John for late February.
- Research/Promotion Chair (ST) – A R/P report was submitted to Atlanta in December; the total donations received to date is \$1000.00; a "big push" for donors will commence in early February. There are five R/P awards to be presented at the General Meeting this evening. ST asks that each member of the Board of Governors solicit at least one potential R/P donor.
- TEGA Chair (Bill Hooper (BH)) – Activity was slow over the Christmas holidays; there is nothing new to report.
- Historian (Dave Cowan (DC)) – Not in attendance.

### NEW BUSINESS:

- BG presents the proposed budget for '97-'98 & '98-'99, and as Derek Weldon is not present, past Treasurer Andy Cowan (AC) gives a brief explanation of the entries in the budget. ST moves to change "Student Scholarship" item to "Student Chapter Funding"; motion seconded by AC. AC moves to accept the budget as presented (with the one noted change); seconded by PA. All in attendance agreed.
- PA advises that only one Scholarship application was received which met the criteria, the applicant being Melissa Hoadley, daughter of Chapter member Gary Hoadley. PA moves to award the \$500.00 Scholarship to Melissa Hoadley; seconded by AC. The vote was all in favour.
- AC suggests that we make the presentation of the award suitable for submission to the local newspapers Times-Transcript and Telegraph Journal, and also to ASHRAE Insights. LD to coordinate this.
- DH reviews the proposed Refrigeration Seminar outline, which will be a full-day program. The initial date will be in March or April '98. The technical portion of the seminar will be 3 ½ hours, followed by lunch, and then 2 to 3 hours of application tours. As of now, there are no costs associated with the speakers involved; the only costs to the Chapter would be for reference materials, coffee breaks, lunch, etc.
- BG asks that CT (Program Chair) spearhead the organizing committee for the Refrigeration Seminar.
- PA offers that we could possibly have 8 to 9 Student Chapter members attending this seminar, as it falls in the time frame of the refrigeration section of their school program.
- AC suggests that we "advertise"/invite attendance by local businesses (i.e. – Co-Op Atlantic, NB Liquor, etc.).
- BG points out that we require a head for the nominating committee for next year. Terry Steeves will be asked to head the committee again.
- LD presents the invoice for the 1<sup>st</sup> billing of the Herring Choker costs. LD also notes that this month (as previously decided) is to be the cut-off for mailing the Choker to non-paying members. The decision is made, due to up-coming events, to continue sending to all.
- JH offers to create a sign-in register for General Meetings, as the present meeting format makes it difficult for us to keep track of who is attending (i.e. – members (paid & unpaid) & guests (who also may be prospective members)).
- BH motions to adjourn meeting @ 4:45 PM. Seconded by AC.

Respectfully Submitted,



Jeff Hayward

Chapter Secretary



**ASHRAE**

American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc.

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## Chapter Meeting Minutes

### COVER SHEET

**Chapter Name:** NB/PEI, Region 2

**Meeting Date:** 13 January 1998

**Attendance:** Members – 20

**Joint Meeting:** No

Guests – 3

Joint with who? – N/A

**Theme Night?:** Past President's Night

**Technical Speaker/Program:** Yes – Mr. Ofer Pittel – Rose Technology Group

**Technical Topic:** Specifying Direct Digital Control Systems

#### GENERAL MEETING:

- Bill Goobie called the meeting to order at 6:00 PM by welcoming all in attendance.
- Everyone attending was asked to introduce themselves, as has become the 'custom' since the season's meetings began.
- Bill Goobie announces the Chapter's 1998 Scholarship recipient, Melissa Hoadley, a Bachelor of Science student at the University of New Brunswick and daughter of Chapter member Gary Hoadley.
- Steve Tweedie, Research Promotion Chair, presents this year's Research Promotion donor awards. Awards are presented to the following companies/individuals: Controls & Equipment Ltd., Enerplan Consultants Ltd., Global Mechanical Systems Ltd., Peerless Consulting Ltd., & Mr. Paul Stockton.
- Steve Tweedie introduces the evening's speaker, Mr. Ofer Pittel. Mr. Pittel delivered a well-rounded and informative presentation on the steps involved in specifying direct digital control systems.
- After the presentation, Carman Travis thanked Mr. Pittel for his concise presentation.
- Bill Goobie closed the technical section of the meeting at 7:30 PM, inviting all in attendance to partake in the evening meal. The meeting was officially adjourned by Bill following the meal.

CHAPTER MAY NOT ACT FOR SOCIETY


**ASHRAE**

American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc.

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**NB/PEI Chapter – Region 2**  
**EXECUTIVE MEETING – Fourth Meeting of the Season: 10 February 1998**

## MINUTES

### ATTENDEES

Bill Goobie (BG)  
 Gerry Waselynychuk (GW)  
 Duncan Harvey (DH)

Gary LeBlanc (GL)  
 Bill Hooper (BH)  
 Andy Cowan (AC)

Grant Bourque (GB)  
 Steve Tweedie (ST)  
 Jeff Hayward (JH)

- BG called meeting to order at 3:57 PM.
- BG notes that minutes from last executive meeting (13 January 1998) were given to all in attendance prior to this meeting and asks for any offers of errors or omissions to the minutes. ST motions to approve the minutes as submitted; motion is seconded by GL.

### BUSINESS ARISING:

- Promotion of the Scholarship Award is discussed – there is a cost associated with sending a photo and write-up to the Times Transcript; however, there is no fee associated with sending same to the Telegraph Journal. Luc Dugas to inquire as to what the Times Transcript will charge. Also, copies of the photo and write-up are to be sent to ASHRAE Insights.
- The "Meeting Sign-In Sheet" is discussed – instead of a 'voluntary' sign-in sheet, we will form a "Reception Committee", comprised of one member and an alternate. GB volunteers to do this, with GL as an alternate. Rather than use a 'sign-in sheet', we will use a ledger-type book to use as an attendance register.

*done*

### COMMITTEE REPORTS:

- Treasurer (Derek Weldon (DW)) – Not in attendance; BG reads the Financial Statement for the period of November 4<sup>th</sup>, 1997 to January 29<sup>th</sup>, 1998. GW motions to accept the Statement as read, with DW to review for errors (if any); motion seconded by AC. All agreed.
- Program Chair (CT) – Not in attendance.
- Membership/CRC Chair (Gerry Waselynychuk (GW)) – An update of Chapter membership activity is given; the Chapter has ten new members. A review of local dues (paid members vs. unpaid) is also given.
- Refrigeration Chair (DH) – A summary of the "Kyoto Summit" on global warming is read, which was submitted by Hugh Crowther (Refrigeration R.V.C. for Region II).
  - A meeting was recently held on the upcoming Refrigeration Seminar; an outline, which will be incorporated into the seminar promotional brochure, is presented and reviewed. The only outstanding details to be ironed out are the location of the technical seminar and the final speakers list.
- Student Activities (PA) – Not in attendance.
- Research/Promotion Chair (ST) – The letters to past and potential donors are being sent out this month. Regarding the "Full Circle" award, due to a mix-up in Atlanta, we have not been included in the Insights supplement (only Quebec Chapter from Region II is listed). However, we will still receive the award at CRC '98.

CHAPTER MAY NOT ACT FOR SOCIETY

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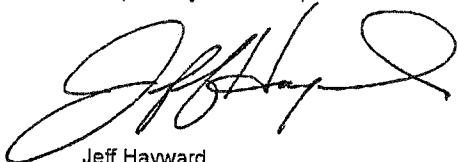
## MINUTES, continued

- TEGA Chair (Bill Hooper (BH)) – A report has been given to BG (there is not much new to report). BH asks ST to submit his firm's application for a technology award.
- Historian (Dave Cowan (DC)) – Not in attendance.

### NEW BUSINESS:

- The up-coming Refrigeration Seminar is discussed (see above as previously noted).
- An update on the MEET '98 show is given by Gary Fahie. Approximately 20 of 238 booths are left unassigned (sold).
- ST reviews the Continuing Education courses available through Atlanta. An advertisement will be put in the Herring Choker newsletter so all members can see the list of available courses. ST will do this, and presents this a a motion; motion is seconded by BH. All agreed. *done*
- BG offers the proposed slate of Chapter officers for 1998/1999. This list will be put in next month's newsletter. *done*
- BG presents the PAOE points update; the point total for NB/PEI is the highest in Region II, even though we are the second smallest Chapter.
- GW motions to adjourn meeting @ 5:25 PM. Seconded by DH.

Respectfully Submitted,



Jeff Hayward

Chapter Secretary



**ASHRAE**

American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc.

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## Chapter Meeting Minutes

### COVER SHEET

**Chapter Name:** NB/PEI, Region 2

**Meeting Date:** 10 February 1998

**Attendance:** Members – 15

**Joint Meeting:** No

Guests – 1

Joint with who ? – N/A

**Theme Night ?:** TEGA Night

**Technical Speaker/Program:** Yes – Mr. Phil Searle – ITT Fluid Products Canada

**Technical Topic:** Advanced Pumping Applications

#### GENERAL MEETING:

- Bill Goobie called the meeting to order at 6:04PM by welcoming all in attendance.
- Everyone attending was asked to introduce themselves, as has become the 'custom' since the season's meetings began.
- Bill Goobie reviews the latest summary of Region II Chapters' PAOE points, making special note of the "points per member" numbers; it shows that we've had a very good showing so far this year, especially due to the fact that we are the 2<sup>nd</sup> smallest chapter in the region.

The dates for the MEET '98 show are May 6<sup>th</sup> & 7<sup>th</sup>; the promotional materials (i.e. – posters, etc.) will be ready in one to two weeks. In addition, the CHES (Canadian Hospital Engineering Society) national conference is also going to be held in Moncton on the same days in May.

Bill also announces the proposed slate of Chapter officers for 1998/1999, both the Executive and Board of Governors. The official nomination/acceptance will take place at next month's meeting.

- Bill Hooper, TEGA Chair, gives a brief overview of TEGA, explains the Technical Awards, and solicits entries from any firms who have noteworthy/significant projects that might be suitable for consideration for an award. Bill also asks for any input on IAQ problems from any members.

Bill then introduces the evening's guest speaker, Mr. Phil Searle, who delivers an excellent presentation on pumping system design and applications. His program generated several questions and produced a spirited discussion which continued for some time after his presentation had ended.

- After the presentation, Bill Goobie thanked Mr. Searle for his informative and very enjoyable technical program.
- Bill Goobie closed the technical section of the meeting at 7:25 PM, inviting all in attendance to partake in the evening meal. The meeting was officially adjourned by Bill following the meal.

CHAPTER MAY NOT ACT FOR SOCIETY



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**N.B. / PEI Chapter – Region 2**  
**EXECUTIVE MEETING – Seventh Meeting of the Season: 10 March 1998**

**Attendees:**

Bill Goobie (BG)  
Carman Travis (CT)  
Hugh Crowther (HC)

Gerry Waselynychuk (GW)  
Bill Hooper (BH)  
Phil Allison (PA)

Duncan Harvey (DH)  
Travis Lutes (TL)

Bill Goobie calls the meeting to order @ 3:50 p.m. Motion to accept previous meeting minutes made by Gerry, seconded by Carman.

**Business Arising from Previous Minutes**

Steve Tweedie mentioned last meeting about purchasing the ASHRAE materials for educational seminars. This is to be discussed further at a future meeting.

**Committee Reports**

**Treasurer:**

Clarification was made to the previous report submitted by Derek Weldon. Handouts were given to all in attendance. Revision was discussed, as explained by Bill Goobie. Report was moved to be accepted as revised by BH, seconded by CT

**Program:**

CT reports that his report was submitted. He reports that last month's attendance was due to the flu problems. CT also mentioned that he was talking to Halifax with regard to a distinguished speaker next year.

**Membership Promotion:**

GW reports he is busy sending out letters, and calling delinquents.

**Refrigeration:**

DH reports that the seminar for Ref'n be put on the shelf until next year due to lack of resources at the current time.

**Student Activities:**

PA reports that they will have an Energy Management resource seminar at NBCC in Saint John. Both the Students and Enerplan will be involved. Cost will be \$ 25. Per person for any who attend. Students will be attending the MEET show this year. Students will be holding the May meeting for ASHRAE in Saint John. Phil makes all of these announcements on paper, to be given to Luke for the next Choker.

PA asks BH if he can call some of the locals in Saint John, GW to send a list to BH for people to call.

**Research and Promotion:**

ST not in Attendance

**TEGA:**

BH reads report submitted to Roland Charneau. Claimed some PAOE points. Roland to get back to BH to advise on deadlines for submissions for Awards.

**Historian:**

Dave Cowan (DC) not in attendance.

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### New Business

Paying for meals for guests? This is a topic that was discussed. BG proposed to make this a new "policy" that any guest's meal is paid for. This is for a first time only, in order to show the benefits of ASHRAE and how the chapter works. This is good for potential members, and could help to increase attendance, also guests may feel more welcome. This should be given to Luke to put in the next Choker. GW to get better information on ASHRAE to give to potential guests, including membership. As a clarification, this policy was not removed, but now has a new life. It will be reiterated in the Choker.

Hugh mentions that a library may be nice to set up, and can justify the membership fee to a potential member. Give us something to do with any extra cash.

Donation request for Habitat for Humanity was directed toward BG. BH mentioned that we should be it should be toward a technical resource in the house, but most felt that this would not be a wise investment. Overall, it was decided that we are not a service organization, and could not support a donation to this cause – We service the community by educating them, and our money would be better spent by equipping the school or other resource with materials, and capability to educate.

Bill mentioned that he will now be taking over the Historian, as DC resigned. BG to take over as chairman for the remainder of the year, and will continue next year as well.

BH to have the chapter history updated and put on disk in \*.TXT platform, and Word. Page and half per year for the next three years to keep the chapter history up to date. BH to get quote on this service back to chapter.

Gary Fahie (GF) was here to show how the promotions were going for the MEET show. Booths are running short, and the show would seem to be coming along well this year. Gary mentioned that attendance by quality people is very important for all exhibitors.

BG mentioned that we should ask the Halifax chapter to attend the MEET show. GF requests that someone take the invitations and promotional literature to the Halifax chapter to ensure that their membership is aware of the show, and that they are welcome there. Gary volunteered to give the promotional literature to the editor of the paper in Halifax.

CT asks about manning the ASHRAE booth at the show. This was a problem at the last show. BG mentioned that we will discuss this at the next meeting.

CT mentions that we should put the numbers in the last month's meeting could be in the Choker with the review. Most feel that this could work in reverse.

Hugh also mentioned that faxing the Choker could be beneficial to cut costs, and ensure that everyone gets the Choker in time.

GF says that an effective phone committee can get better numbers out to the meeting.

**ASHRAE**

American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc.

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## Chapter Meeting Minutes

### COVER SHEET

**Chapter Name:** NB/PEI, Region 2**Meeting Date:** 10 March 1998**Attendance:** Members – 24**Joint Meeting:** No

Guests – 5

Joint with who ? – N/A

**Theme Night ?:** Refrigeration Night**Technical Speaker/Program:** Yes – Mr. George Dubina, York International**Technical Topic:** Absorption Refrigeration

#### GENERAL MEETING:

- Bill Goobie called the meeting to order at 6:00PM, welcoming guests and members.
  - Everyone attending was asked to introduce themselves, as has become the 'custom' since the season's meetings began.
  - Bill Goobie opened the floor to nominations for the 1998-1999 Chapter Executive. The proposed slate of officers as prepared by the Nomination Committee had been presented in the Herring Choker preceeding the March meeting. There were no nominations received and Bill stated that the floor was closed for any additional nominations.
- Bill spoke about the upcoming MEET '98 show and of its importance to the Chapter. All in attendance were asked to take and distribute some of the promotional literature at the end of the meeting.
- Bill introduced Hugh Crowther, R.V.C. for Refrigeration in Region II. Hugh gave an interesting talk on some of his recent activities as R.V.C.. Hugh spoke about the recent Kyoto Summit Meeting on global warming and the possible effects and responsibilities on ASHRAE. The presentation was very informative and well received.
- Hugh Crowther introduced the guest speaker for the evening, Mr. George Dubina of York International. Mr. Dubina gave a very interesting presentation on absorption refrigeration. Mr. Dubina did a terrific job of explaining the characteristics of and differences between direct-fired gas absorption chillers, gas engine-driven centrifugal chillers, and electronic engine centrifugals; steam absorption, etc.
  - Following a very informative question period, Carman Travis thanked Mr. Dubina and presented him with a gift on behalf of the Chapter.
  - Bill Goobie thanked both guests, Hugh Crowther and George Dubina, and invited everyone to stay for the meal. The meeting drew to a close at 9:30PM.

CHAPTER MAY NOT ACT FOR SOCIETY



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<b>NB/PEI Chapter – Region 2</b> <b>EXECUTIVE MEETING – Eighth Meeting of the Season: 14 April 1998</b>
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## MINUTES

<b><u>ATTENDEES</u></b>		
Bill Goobie (BG) Andy Cowan (AC)	Gary LeBlanc (GL) Derek Weldon (DW) Duncan Harvey (DH)	Luc Dugas (LD) Jeff Hayward (JH)

- BG called meeting to order at 3:45 PM.
- BG notes that minutes from last executive meeting (10 March 1998) were given to all in attendance prior to this meeting and asks for any offers of errors or omissions to the minutes. It is agreed by all that a list of the proposed slate of officers for next year's Executive & Board of Governors be included in next month's minutes. AC moves to accept minutes as read; seconded by GL.

### BUSINESS ARISING:

- It is agreed that LD will include an "advertisement" for the educational seminars in next month's Herring Choker as well.

### COMMITTEE REPORTS:

- Treasurer (DW) – Reviews the financial statement for March 06 to April 09, 1998. DW will investigate some of the options regarding investment of surplus Chapter funds to allow a greater return on our money.
- Program Chair (Carman Travis (CT)) – Not in attendance.
- Membership/CRC Chair (Gerry Waselynychuk (GW)) – Not in attendance.
- Refrigeration Chair (DH) – Nothing to report.
- Student Activities (Phil Allison (PA)) – Not in attendance.
- Research/Promotion Chair (Steve Tweedie (ST)) – Not in attendance.
- TEGA Chair (Bill Hooper (BH)) – Not in attendance; however, BG reads the most recent TEGA report.
- Historian (BG) – Informs everyone that he now has a 20-Year Chapter history typed and formatted to diskette.

### NEW BUSINESS:

- BG reviews the sign-up sheet for the ASHRAE booth at MEET '98, and asks for volunteers to work a time slot on either of the show's two days, Wednesday or Thursday, May 6<sup>th</sup> or 7<sup>th</sup>.  
  
BG and Steve Tweedie (approximately one week before MEET '98) will call the local consultants to remind them to attend the show (asking them to come at a time when they'll have enough time to stay to see the entire show).
- The Chapter has received a request from Atlanta regarding collecting of Chapter dues or any increases to dues for next year; it was decided that we will not increase dues for next year.
- Discussion is opened regarding the year-end (June) meeting: "Installation of Officers Night". A venue for this meeting is narrowed down to two choices, the Elk's Club or the Officer's Mess (CFB Moncton). The date will be either Friday, June 5<sup>th</sup> or Friday, June 12<sup>th</sup>. Both of these decisions will be made by mid-May.

## MINUTES, continued

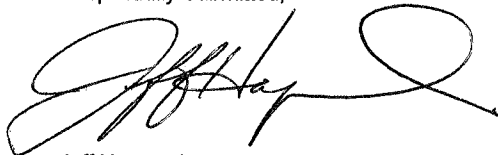
- An open discussion is held concerning several issues:

For next year, will we change the regular meeting location from Boomerang's to another venue? A number of local establishments are suggested; a few members of the Board of Governors volunteered to check into the possibility of moving to one of the suggested locations. Discussion regarding this will be held at the next Executive meeting.

We will attempt to check with the members of the Canadian Forces' 1 Construction Engineering Unit, to see if any of their staff engineers are members of ASHRAE.

- DH motions to adjourn meeting @ 5:02 PM. Seconded by AC.

Respectfully Submitted,

A handwritten signature in black ink, appearing to read 'Jeff Hayward', with a large, stylized flourish at the end.

Jeff Hayward

Chapter Secretary

## Chapter Meeting Minutes

### COVER SHEET

**Chapter Name:** NB/PEI, Region 2

**Meeting Date:** 14 April 1998

**Attendance:** Members – 27

**Joint Meeting:** No

Guests – 5

Joint with who ? – N/A

**Theme Night ?:** Membership Night

**Technical Speaker/Program:** Yes – Mr. Dennis Stanke, The Trane Company

**Technical Topic:** ASHRAE Standard 62

#### GENERAL MEETING:

- Bill Goobie called the meeting to order at 6:00PM, welcoming guests and members.
- Everyone attending was asked to introduce themselves, as has become the 'custom' since the season's meetings began.
- Bill Goobie reminds everyone of the Student Chapter's "Building Energy And Environment Management" seminar, to be held on Thursday, 16 April.

Bill spoke about the upcoming MEET '98 show and of the importance that Chapter members invite as many industry people as possible to attend the show.

Bill also advises everyone about the May 12<sup>th</sup> meeting, which will be a technical tour of Saint John's Harbour Station arena (sponsored by the Student Chapter), and the meeting wrap-up, to be held at Dooley's.

- Bill Goobie introduced the guest speaker for the evening, Mr. Dennis Stanke of The Trane Company. Mr. Stanke gave a very informative presentation on ASHRAE Standard 62 and also on current issues relating to indoor air quality (IAQ). The question period focused on Carbon Dioxide as a bioeffluent, and how the new version of Std. 62 will not only be based on CO2 levels, but also on CFM per Sq. Ft.. It was a very spirited, informative presentation, which spawned a great deal of questions regarding 62-89, 62-89R, and what will be included in the new releases of 62.1 & 62.2. Special focus was given to the "continuous maintenance" approach being employed regarding the new standard 62.1.
- Mr. Stanke was given a hearty "thank you" for his excellent presentation, and was presented him with a gift on behalf of the Chapter.
- Bill Goobie invited everyone to stay for the meal. The meeting drew to a close at 9:40PM.

**ASHRAE**

American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc.

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**NB/PEI Chapter – Region 2**  
**EXECUTIVE MEETING – Tenth Meeting of the Season: 11 June 1998**

## MINUTES

### ATTENDEES

Bill Goobie (BG)  
 Duncan Harvey (DH)  
 Bill Hooper (BH)

Gary LeBlanc (GL)  
 Derek Weldon (DW)  
 Gerry Waselynychuk (GW)

Luc Dugas (LD)  
 Jeff Hayward (JH)

- BG called meeting to order at 12:18 PM.
- BG reviews minutes from last executive meeting (14 April 1998). DH motions to accept minutes as submitted; motion is seconded by BH. All agreed.

### BUSINESS ARISING:

- The issue of a venue change for next year's meetings is discussed. The volunteers' reports regarding alternate locations are reviewed:

DH – his telephone calls to the Officers' Mess @ CFB Moncton were not returned.

GL – Keddy's Brunswick Hotel: the hotel has a problem with providing refreshment services and with the size of our attendance (i.e. – the rooms they have available are either too small or too large).

GL – Fisherman's Paradise restaurant: Menu choices are excellent, they have on site audio-visual equipment, and plenty of parking; however, the cost of dining makes this an expensive choice.

BH points out that the cost of the meal (Boomerang's is the most reasonable) probably appealed to a lot of members who cannot "write off" the cost as a business expense.

### COMMITTEE REPORTS:

- BG asks for the year-end Committee reports, which are to be submitted as an annual report.
- Treasurer (DW) – (Re. investing funds) The Credit Union has advised that our options regarding Mutual Funds are the same as a personal account. Also, a discussion on using Canada Savings Bonds is held; C.S.B.'s might be our best option if we choose to invest – they are very conservative and safe (free of market fluctuations). Further discussion will have to occur in our attempt to perpetuate the financial health of the Chapter.  
  
DW reviews the Financial Statement from 09 April '98 to 31 May '98. GW wants to amend the Financial Statement to show CRC '98 as a separate account from the Chapter funds. Motioned by BH. Seconded by GL. All agreed.  
  
GW moves that by September '98 we have a detailed summary of Chapter income/expenditures for the next two years (including a list of Terms & Shares). Motion seconded by LD. All agreed.
- Program Chair (Carman Travis (CT)) – Not in attendance.
- Membership/CRC Chair (Gerry Waselynychuk (GW)) – CRC '98 organizing committee meeting will be held in the very near future. (See also under "new business")
- Refrigeration Chair (DH) – Nothing to report.
- Student Activities (Phil Allison (PA)) – Not in attendance.
- Research/Promotion Chair (Steve Tweedie (ST)) – Not in attendance.

CHAPTER MAY NOT ACT FOR SOCIETY

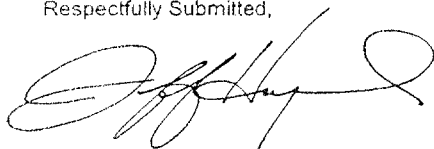
## MINUTES, continued

- TEGA Chair (Bill Hooper (BH)) – Nothing to report (see "new business" below).

### NEW BUSINESS:

- BG reviews the issue of the Chapter's financial audit, specifically the question of whether we require an audit every year. It is decided that we will audit our books only at the time a change in the Treasurer occurs.
- BH gives the annual report for TEGA on the Technology Awards. Enerplan Consultants submitted the only local entry, which qualifies for a Chapter Award; also, since there are only two entries in Region II, they might qualify for a Regional Award as well. BH will present the Chapter Award in September.
- GW presents the volunteers' duties lists for CRC '98. Volunteers are asked to review their lists and be available for a meeting in the near future. A discussion is held regarding whether or not the Chapter will pay for spouses (attending CRC social functions) of Chapter members who attend the CRC programs/meetings. It is agreed that we will cover those costs only if the member is present for meetings, etc. earlier in the day. BG moves to accept the program for CRC '98 as presented by GW. Seconded by DH. All agreed.
- A vote is held regarding the proposed venue change; all are in favour of continuing to meet at Boomerang's (at least for the '98-'99 season).
- GW motions to adjourn meeting @ 1:30 PM. Seconded by GL.

Respectfully Submitted,



Jeff Hayward

Chapter Secretary

**ASHRAE**

American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc.

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**NB / PEI Chapter - Region II**  
**Executive Meeting - First Meeting of the Season**  
**August 14, 1998**

**MEETING MINUTES**

**Attendees:**

Bill Hooper (BH)  
Gerry Waselynychuk (GW)  
Garry Leblanc (GL)

Phil Allison (PA)  
Carmen Travis (CT)  
Grant Bourque (GB)

Luc Dugas (LD)  
Derek Weldon (DW)  
Bill Goobie (BG)

**Location:**

Conference room of the Moncton Northeast Construction Association, Moncton, NB.

**Minutes:**

**BH** called the meeting to order at 12:15 pm, August 14, 1998.

**Business Arising from Old Minutes:**

**BH** announces that The Enerplan/Rose Group has won the Chapter Technology award and the Region II Technology award for their entry. The regional award qualifies their submission for a Technology award at the Society level.

**GW** indicates that volunteers for CRC '98 have been divided into 3 teams. **GW**, **BG** and Steve Tweedie are the head of each team. This should facilitate coordination of the tasks. All appears to be in order as the CRC gets closer.

**Committee Reports:**

**DW** presents the Chapter's financial statement dated May 31, 1998 to August 14, 1998.

There has been no activity due to the summer breaks. Other Committee Chairs have nothing to report.

**New Business:**

**GW** requests that the Chapter forward a list of who will be attending CRC '98 from the local Chapter. Only 3 Chapters have yet to confirm this information to **GW**. **BH** will contact volunteers and executive members and will forward information to **GW**.

**BG** motions that the Chapter members volunteering at CRC '98 have the attendance fee to the various social events for themselves and their spouses paid for by the Chapter. Seconded by **CT**. All agreed.

ASHRAE NB/PEI Chapter  
Executive meeting minutes from Aug. 14, 1998  
Page 2

**BG** and Gary Blue will organize the annual Chapter Golf tournament to be held approximately 2 weeks from CRC '98. **LD** will include a registration sheet in the next *Herring Choker*.

**GW** requested that local Chapter members be invited to CRC '98. **LD** will send an invitation via fax. to local members.

**BH** will approach a candidate for the position of Refrigeration Chair which was left open by the departure of Duncan Harvey.

**BH** requests that all Committee Chairs provide their reports as soon as possible. These reports are required for the Chapter report presented at CRC '98.

The *Herring Choker* will now be faxed or e-mailed to the Chapter members. This should reduce the expenses and time incurred with mailing the newsletter. One last newsletter mailing will be done to allow members to chose from e-mail or fax. **LD** to action.

**LD** is to order a Past President pin for **BG**, stationary and speaker gifts from the Society. **BG** will forward order form to **LD**.

**DW** has received a letter from Society regarding liability insurance for the Chapter. The letter is forwarded to **BH** for further action.

**CT** presents meeting dates for the 1998/1999 season. He will confirm these dates with Boomerang's Steakhouse on August 18, 1998. The Student Chapter is still set for May.

**PA** reports that last year's donation of \$500.00 for the Student Chapter's working capital was well spent. Handbooks and reference materials were purchased and some money was spent to organize an energy management seminar. on behalf of the Student Chapter, **PA** requests that the donation be renewed for the 1998/1999 season.

**GW** indicates that of all the donations made by the Chapter, the Student Chapter is the only organization to keep the Chapter advised as to how the money is spent. As the donation appears to be weld spent, the donation should be renewed and possibly increased.

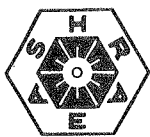
**BG** motions to provide a \$1000.00 donation to the Student Chapter for the 1998/1999 season. Seconded by **GL**. **DW** will forward a cheque for \$1000.00 to **PA**.

**BH** adjourns the meeting at 1:25 pm.

Respectfully submitted



Luc Dugas, P. Eng.  
Secretary, NB/PEI ASHRAE Chapter

**ASHRAE**

American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc.

**NB / PEI Chapter - Region II  
October Meeting - Second Meeting of the Season  
October 13, 1998**

**EXECUTIVE MEETING MINUTES**

**Attendees:**

Bill Hooper (BH)  
Gerry Waselynychuk (GW)  
Bill Goobie (BG)

Phil Allison (PA)  
Carmen Travis (CT)

Luc Dugas (LD)  
Derek Weldon (DW)

**Location:**

Boomerang's Steakhouse on Westmorland Street in Moncton, NB

**Minutes:**

**BH** called the meeting to order at 3:35 p.m., October 13, 1998.

**Business arising from old minutes:**

A review of the August 14<sup>th</sup> meeting minutes is done. **BG** motions to approve the minutes as submitted.  
**PA** seconds the motion.

**LD** indicates that the new process of e-mailing/faxing the monthly newsletter has begun. Most of the membership has replied with their preference. Contacting the members who have not responded to the request is on going. There are still some adjustments to be made to the newsletter format to ensure easier access through e-mail.

**Committee Reports:**

**Treasurer:** **DW** reports that his research indicates that charities are allowed to have up to \$50,000.00 in funds without submitting returns to the Government. The Chapter funds falls well below this amount.

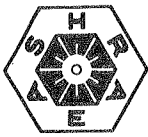
**Student Activities:**

**PA** reports that the student Chapter has 2 new members for a total of 9. Some of the students will attend the October 13<sup>th</sup> general meeting.

**TEGA:** **BH** reports that the research project submitted by Steve Tweedie of the Enerplan/Rose group will receive a Chapter and Regional award. It has also been entered for consideration at the Society level.

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**ASHRAE**

American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc.

ASHRAE NB/PEI Chapter  
Meeting minutes from Oct. 13, 1998  
Page 2

Historian: **BG** reports that he has prepared a photo album and scrapbook of the Chapter. These items were displayed at CRC '98.

Program: **CT** reports that the meeting dates have been confirmed for the 1998-1999 season. The speaker's list is almost complete.

Research Promotion:

As **BG** has just recently taken over the duties of Research Promotion Chair, he has nothing to report. **BG** will continue to encourage the Executive to donate to research promotion.

Refrigeration:

**BH** announces that Gary Leblanc will be the Refrigeration Committee Chair for the 1998-1999 season.

Membership:

**GW** reports that he is trying to contact delinquent members to encourage their participation and payment of their dues.

New Business:

To pursue the Treasurer's report, it is agreed that the Chapter should consult an accountant to clarify the position of a "not for profit" organization such as the Chapter.

**BG** requests \$100.00 to help in finalizing the photo album and scrapbook he has prepared. The motion is submitted by **PA** and seconded by **CT**.

**BG** requests that an ad be put in the next *Herring Choker* soliciting any members who have historical material which relates to the Chapter to contact him.

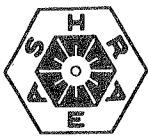
**CT** suggests that a social committee be appointed to plan the 1998 Christmas party and the final meeting of the season. The Executive will assemble a committee.

**PA** will contact the Saint John Community College (home of the Student Chapter) for a proposal on developing a Chapter web site. The Student Chapter will also be involved in the development and possibly the maintenance.

A brochure has been received by various Executive members promoting C.I.S. 98, a chapter management software. The Chapter will not purchase the software at this time.

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Meeting minutes from Oct. 13, 1998  
Page 3

**BH** proposes the addition of tabletop displays at future meetings. An announcement will be placed in the next newsletter to solicit interest. If sufficient interest is generated, the January meeting will be the targeted implementation of this new program.

**BH** adjourns the executive meeting at 5:00 p.m.

### GENERAL MEETING MINUTES

**Theme:** Energy Night  
**Speaker:** Mr. Bill Marshall, Director of Strategic Planning, NB Power  
**Topic:** Electricity Restructuring – Options and Issues  
**Attendance:** 20 members, 8 Students  
**Joint meeting:** No

#### Minutes:

**BH** called the meeting to order at 6:00 p.m.

**BH** asks each attendee to introduce themselves.

**BH** presents a certificate of appreciation to 1997-1998 Past President Bill Goobie.

**BH** introduces our guest speaker who provides the attendees with a very interesting presentation on the future of the electric energy market in New Brunswick.

After the presentation, Chapter members partake in the meal and social.

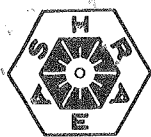
The meeting is adjourned at 8:30 p.m.

Respectfully submitted

Luc Dugas, P. Eng.  
Secretary, NB/PEI ASHRAE Chapter

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**ASHRAE**

American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc.

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**NB / PEI Chapter - Region II  
November Meeting - Third Meeting of the Season  
November 25, 1998**

**EXECUTIVE MEETING MINUTES**

**Attendees:**

Bill Hooper (BH)  
Derek Weldon (DW)  
Travis Lutes (TL)

Gary Leblanc (GL)  
Bill Goobie (BG)

Gerry Waselynychuk (GW)  
Jeff Hayward (JH)

**Location:**

Moncton North East Construction Association in Moncton, NB

**Minutes:**

**BG** motions to accept the minutes from the October meeting as submitted. Motions is seconded by **TL**.

**Business arising from old minutes:**

**BH** encourages all committee chairs to submit their reports to RVC's on time and requests that a copy be sent to **JH**.

**BH** requests that **JH**, as a part of his President Elect duties, include monitoring PAOE points to ensure that they are maximized.

**New Business:**

Due to the current timing and a lack of a proper venue, the Christmas Party will be cancelled for this year and replaced with a curling tournament in February.

**GB** has agreed to head to organizing committee for the Chapter curling tournament.

**BH** suggests that future executive meetings begin at 4:00 p.m. to limit the impact on time spent away from work or office. This should allow for a better attendance from the Executive and BOG. Committee reports will not be read during the meetings to save time, but committee chairs should be prepared to discuss any issues that arise.

The Phone Committee has again agreed to serve, it includes: JH, GL, GW and Grant Bourque.

**BH** adjourns the executive meeting at 1:10 p.m.

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**ASHRAE**

American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc.

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## GENERAL MEETING MINUTES

**Theme:** Research Promotion Night  
**Speaker:** Mr. Mac Turner, General Manager of Maynard-Reece Engineering Equipment Ltd.  
**Topic:** Steam System Component Applications  
**Joint meeting:** No

### Minutes:

**BH** called the meeting to order at 6:00 p.m.

**BH** asks attendees to introduce themselves.

**BH** introduces our guest speaker who provides the Chapter with a very interesting presentation on the applications of various steam system equipment.

After the presentation, Chapter members partake in the meal and social.

The meeting is adjourned at 8:30 p.m.

Respectfully submitted

Luc Dugas, P. Eng.

Secretary, NB/PEI ASHRAE Chapter

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An International Organization



**NB / PEI Chapter - Region II**  
**January Meeting - Fourth Meeting of the Season**  
**January 12, 1999**

**EXECUTIVE MEETING MINUTES**

**Attendees:**

Bill Hooper (BH)  
Bill Goobie (BG)  
Phil Allison (PA)

Gary Leblanc (GL)  
Jeff Hayward (JH)  
Gerry Waselynychuk (GW)

Carman Travis (CT)  
Grant Bourque (GB)

**Location:**

Boomerang's Steakhouse in Moncton, NB

**Minutes:**

**BH** calls the meeting to order at 4:10 p.m.

**BH** reads minutes from November meeting.

**CT** motions to accept the minutes from the November meeting as submitted. Motion is seconded by **GL**.

**Business arising from old minutes:**

**CT** motions to accept table tops at future meetings as per Section 5, p. 35, paragraph 5.14 of the Chapter Operations Manual. Motions is seconded by **BG**.

The second quotation for a chapter web site is submitted. Discussions are held regarding the advantages and disadvantages. **BH** will compile information on options available to the chapter regarding complexity and flexibility of a web page.

**BG** announces that the chapter will receive a Gold Circle Award.

**BH** reminds Committee Chairs of the 22<sup>nd</sup> of the month deadline for committee reports to the respective RVC and a copy to **JH**.

**New Business:**

**GB** submits menu choices for the dinner at the curling bonspiel. Price for one person is set at \$25.00 for curling and meal.

**BH** inquires if the 4:00 p.m. start time for the executive meeting is acceptable, all agreed.

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American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc.

**PA** motions to appoint a special advisory committee to the chapter president in order to maintain ASHRAE's interests in MEET 2000. The committee would include **BH**, Gary Fahie and Gary Hoadley. Motion is seconded by **GW**, the vote is unanimous.

**BH** indicates to the various committee chairs that we need to maximize the PAOE points. At present, the chapter is 2<sup>nd</sup> to last in the region.

**BH** indicates that Society needs the chapter to update the chapter bylaws. **BG** to follow-up.

The deadline for the chapter scholarship is February 15, 1999.

CRC final financial statistics show a profit of approx. \$2600.00. Half of the profit was given to the RVCs in order to offset their expenses, the other half will be donated to Research Promotion.

**BH** adjourns the executive meeting at 5:30 p.m.

Respectfully submitted

Luc Dugas, P. Eng.  
Secretary, NB/PEI ASHRAE Chapter

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**ASHRAE**

American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc.

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**NB / PEI Chapter - Region II**  
**February Meeting - Fifth Meeting of the Season**  
**February 8, 1999**

**EXECUTIVE MEETING MINUTES**

**Attendees:**

Bill Hooper (BH)  
Jeff Hayward (JH)

Gary Leblanc (GL)  
Grant Bourque (GB)

Bill Goobie (BG)  
Derek Weldon (DW)

**Location:**

Boomerang's Steakhouse in Moncton, NB

**Minutes:**

**BH** calls the meeting to order at 4:15 p.m.

**JH** reads minutes from January meeting.

**GL** motions to accept the minutes from the January meeting as submitted. Motion is seconded by **GB**.

Discussions continue on table tops. All agree that care must be taken to ensure that no conflicts between the speaker and the table top display arise. Examples of possible conflicts are competitive companies, products or technology.

**BH** will head the web site construction and monthly updates. The consensus is that the web site must have more than the monthly newsletter. A motion is put forward to proceed with a plan to setup & evaluate the web site for 2 years. April is set as the target for having the web site on line. Motion is seconded by **BG**.

**BH** announces that committee reports are to be submitted to **JH** as soon as possible.

**DW** submits a financial report.

**GB** expresses his disappointment with the response to the Curling Funspiel. However, telephone calls seem to have generated some interest and a good turn out is anticipated.

**GL** will review scholarship applications and make a decision as to the winner.

**BH** adjourns the executive meeting at 5:20 p.m.

Respectfully submitted

  
Luc Dugas, P. Eng.

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**ASHRAE**

American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc.

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**NB / PEI Chapter - Region II**  
**February Meeting - Sixth Meeting of the Season**  
**March 9, 1999**

**EXECUTIVE MEETING MINUTES**

**Attendees:**

Bill Hooper (BH)  
Jeff Hayward (JH)  
Gerry Waselynychuk (GW)

Luc Dugas (LD)  
Grant Bourque (GB)

Travis Lutes (TL)  
Derek Weldon (DW)

**Location:**

Boomerang's Steakhouse in Moncton, NB

**Minutes:**

**BH** calls the meeting to order at 4:15 p.m.

**TL** motions to accept the minutes from February 8<sup>th</sup> meeting. Seconded by **JH**.

**BH** provides update on web site construction and presents downloaded sections from the site. The student chapter's web site will be linked to the local chapter. An invoice for \$300.71 from Graphwerks, the web site designer, has been received for the work done to date. **DW** issues payment as per general agreement of people present.

**GB** advises that 22 people attended the curling funspiel. However, due to some people who committed but did not attend, a slight financial loss was incurred. The Chapter and APENB will absorb the loss. The issue of "no-shows" will be noted in the Herring Choker.

A report on the scholarship applicants, prepared by Gary Leblanc, is submitted. **GL** recommends that the scholarship be awarded to David Cowan, son of David Cowan, chapter member. All agreed.

**DW** submits a financial report.

**BH** announces that committee reports are to be submitted to **JH** by the 22<sup>nd</sup> of the month.

The information on the distinguished speaker for the April meeting is submitted. **BH** requests that everybody help in ensuring a good turnout for the meeting and assist Carman Travis if he requires.

**JH** mentions the need for new people for 1999-2000 Chapter Executive positions. It appears to be always the same group of people moving from position to position and the group appears to be shrinking in number.

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**DW** motions to deposit \$2000.00 in a term deposit for the next CRC hosted by the Chapter. **TL** seconds the motion.

**GW** reports that of the 50 members who pay local dues, 18 are delinquent and have been contacted to request payment.

**TL** announces his resignation from the Board of Governors due to work commitments.

**BH** adjourns the executive meeting at 5:10 p.m.

### GENERAL MEETING MINUTES

**Theme:** Membership Night

**Speaker:** Glenn Greer, Product Manager, Nortec

**Topic:** Humidification applications and new technology

**Attendance:** 18

**Joint Meeting:** No

**Minutes:**

**JH** calls the meeting to order at 6:15 p.m.

**JH** asks all in attendance to introduce themselves.

Mr. Glenn Greer holds a very informative seminar on humidification.

Chapter members partake in the meal and social.

The meeting is adjourned at 8:30 p.m.

Respectfully submitted

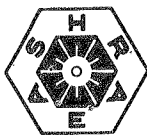
Luc Dugas, P. Eng.

Secretary, NB/PEI ASHRAE Chapter

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American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc.

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**NB / PEI Chapter - Region II**  
**April Meeting - Sixth Meeting of the Season**  
**April 13, 1999**

**EXECUTIVE MEETING MINUTES**

**Attendees:**

Bill Hooper (BH)  
Jeff Hayward (JH)  
Phil Allison (PA)

Luc Dugas (LD)  
Grant Bourque (GB)  
Bill Goobie (BG)

Carman Travis (CT)  
Derek Weldon (DW)  
Gary Leblanc (GL)

Special guest: Mr. James Wolf, ASHRAE Treasurer

**Location:**

Boomerang's Steakhouse in Moncton, NB

**Minutes:**

**BH** calls the meeting to order at 3:40 p.m.

**GL** reads minutes from March meeting. **PA** motions to accept the minutes as read. **BG** seconds the motion.

**BH** provides update on web site. He also requests input from others to finalize the site and when to officially launch it. Items such as a suggested "contractor's corner" and "speaker notes" will cost additional money to implement as they were not part of the original quotation by the designer. Discussions are held regarding the cost of these additional items. Emphasis is put on ensuring that the annual cost of the web site does not exceed the cost of mailing the *Herring Choker*.

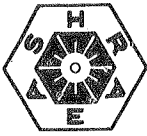
A committee is formed to evaluate the web site and the additional items and costs. Members of the committee are **BH, JH, BG, PA** and **GL**.

**BH** requests that each Committee Chair prepare a mission statement to include in the web site. The Chapter Operations Manual may provide some guidance.

**JH** announces that he represented the Chapter at a presentation to Public Works Canada, Corrections Canada and to the Truro Womens Penitentiary. The presentation underlined their role as owners of the Truro Womens Penitentiary. A Technical Award was presented to Stephen Tweedie for his work on the facility's HVAC system.

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**ASHRAE**

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#### **Committee Reports:**

**PA** indicates that the student Chapter generated 300 PAOE points from site tours of the Irving Oil Expansion, the Courtney Bay Generating Station Expansion, Baxter Foods and Brunswick Square. The student chapter will be hosting the May meeting. They have organized a tour of the WIRSBO manufacturing plant in Saint John, NB. This will be promoted in the next *Herring Choker*.

**BH** announces that the T.E.G.A committee generated 350 points for the Technical Award presented to Stephen Tweedie and for presentations made to the industry.

**BG**, Research Promotion Chair, indicates that Region II is 28% ahead of its 1998 contribution total. The NB/PEI Chapter is 1<sup>st</sup> in PAOE points and contributed dollars per member.

**GL** indicates that a 3 ½ hour seminar to refrigeration technicians was done as part of the Refrigeration Committee's activities.

Program Chair, **CT**, reports that media coverage has been good during this ASHRAE season and that points have been generated from our presentations. No points have been generated from attendance as it fluctuates from meeting to meeting.

**DW** presents the Chapter's financial statement.

#### **New business:**

The Executive accepts to continue having Society collect the Chapter dues during membership renewal.

Mr. Wolf addresses the meeting to discuss his plans during his tenure as ASHRAE Society President. He also requests that all attendees provide input to his plans or to the current PAOE points program. He may be contacted at [asdewolf@aol.com](mailto:asdewolf@aol.com).

**JH** is asked to look into the "low performers" as it pertains to PAOE.

**BH** reminds everybody that prospective members may be present due to Mr. Wolf's presentation. All are expected to be friendly and encourage their participation in ASHRAE.

Table top displays are going well and will be kept for the 1999-2000 year.

**CT** requests that the Chapter look at other meeting venues for next year. The current venue's management is not very cooperative and some members have mentioned that a change is needed. **GB** to assist in the search.

**CT, BG, GB**, will work together to plan the July meeting's social gathering.

**BH** adjourns the meeting at 4:50 p.m.

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**ASHRAE**

American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc.

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## GENERAL MEETING MINUTES

**Theme:** Refrigeration Night

**Speaker:** James Wolf, Vice President of American Standard Inc.

**Topic:** The future of CFC and HCFC Refrigerants

**Attendance:** 45

**Joint Meeting:** No

**Minutes:**

**BH** calls the meeting to order at 6:15 p.m.

**BH** asks all in attendance to introduce themselves.

Chapter members partake in the meal.

Mr. James Wolf holds a very informative seminar on the future of refrigerants due to the Montreal Protocol and the Kyoto Summit. The interest in his presentation is evident by the high attendance to the meeting.

The meeting is adjourned at 8:30 p.m.

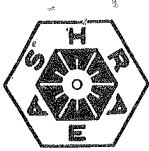
Respectfully submitted

Luc Dugas, P. Eng.  
Secretary, NB/PEI ASHRAE Chapter

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American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc.

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**NB / PEI Chapter - Region II  
April Meeting - Eighth Meeting of the Season  
June 9, 1999**

**EXECUTIVE MEETING MINUTES**

**Attendees:**

Bill Hooper (BH)  
Jeff Hayward (JH)

Luc Dugas (LD)  
Grant Bourque (GB)

Carman Travis (CT)  
Derek Weldon (DW)

**Location:**

Moncton Northeast Construction Association in Moncton, NB

**Minutes:**

**BH** calls the meeting to order at 12:08 p.m.

**BH** reads minutes from April meeting. **GB** motions to accept the minutes as read. **JH** seconds the motion.

**BH** reports that the additional cost incurred with additions to the website will still not exceed the cost of printing and mailing the *Herring Choker*. The designer has agreed to incorporate a technical section, speaker notes and a website archive if we extend the contract for 1 additional year. The cost of the site will also be kept under \$1800.00 per year. All in attendance agreed to extend the contract for one additional year.

The Chapter is third place in the Region in PAOE. The Chapter received 150 points for placing our history on the website. The Refrigeration committee is the only committee within the Chapter with no PAOE points.

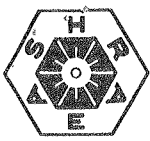
CRC'99 will be held on the 26, 27, 28<sup>th</sup> of August, 1999 in Montreal QC. JH will work with other executive members to establish the Chapter's delegation.

The nominating committee reports that all positions except for one seat on the BOG has been filled for the 1999-2000 season.

**BH** adjourns the meeting at 1:15 p.m.

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**ASHRAE**

American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc.

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## GENERAL MEETING MINUTES

**Theme:** Installation of Officers Night

**Minutes:**

**BH** calls the meeting to order at 6:15 p.m.

Chapter members partake in the meal.

**BH** installs the members of the 1999-2000 season Executive members, B.O.G. and committee chairs.

The meeting is adjourned at 8:30 p.m.

Respectfully submitted

Luc Dugas, P. Eng.  
Secretary, NB/PEI ASHRAE Chapter

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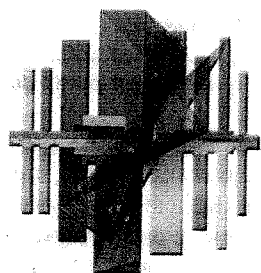
The Nova Institution in Nova Scotia, Canada, was constructed under the stringent emissions and energy consumption requirements of Canada's Environmental Stewardship program.

# Geothermal System for Prison

By Stephen W. Tweedie, P.Eng.  
Member ASHRAE

**T**he design team for the Nova Institution, a new Canadian federal women's correctional facility located in Truro, Nova Scotia, faced several challenges. Correctional Service Canada (CSC), the federal government department in charge of the facility, wanted to make this project the first constructed by their department to meet the Institutional Green Plan as part of Canada's Environmental Stewardship program.

As design of the project began, the engineers were challenged by the stringent emissions and energy consumption targets imposed by the program. Building construction needed to meet both R2000 and C2000 standards. The design for the complex consisted of four two-story and one single-story residen-



## 1999 ASHRAE Technology Awards

tial units, a gymnasium, recreation center, training facilities, offices, service facilities, and a high-security cellblock. Given the significant design constraints, the design team realized that a detailed engineering analysis was needed to determine the most effective system for heating and cooling requirements.

### Project Design and Controls

The engineering team had several options. Electric resistance heating was immediately eliminated because of its high overall CO<sub>2</sub> generation from the fossil fuels used for local power generation.

The team considered a central plant with fuel-fired boilers or a combustion engine co-generation plant, but the distribution system was costly and there was insufficient demand for the waste heat from a co-generation unit during the summer.

Because the complex was not entirely air conditioned, the use of an absorption chiller was not feasible for such a purpose. The remaining alternatives included propane gas appliances with air-cooled R-22 air conditioning or geothermal heat pumps. Initially, it was not known if either of these two systems would meet the CSC's energy target, but the geothermal application provided the best possibility. In addition, the geothermal heat pump permits future additions of low grade heat from other sources, such as solar energy, that could increase the COP of the heat

### About the Author

Stephen W. Tweedie, P.Eng., is a principal and the director of engineering services at Enerplan Consultants Ltd. in Moncton, New Brunswick, Canada. A graduate of Nova Scotia Technical College (now DalTech), he is a past president of the New Brunswick/Prince Edward Island Chapter of ASHRAE.



See Journal Online  
[www.ashrae.org](http://www.ashrae.org)

pumps, and ultimately help meet the energy efficiency targets.

Site testing was performed prior to the system's design to determine the quantity of ground water available for a water source system. Because insufficient quantities were found, the team decided to install a closed loop geothermal piping system. This included a combination of horizontally buried piping, and vertical piping in bore holes, installed around the perimeter of the site. To minimize the pumping power requirements and increase heat transfer capacity for the ground loop, the diameter of the polyethylene pipe was increased to 1 1/4 in. (32 mm) from the typical 3/4 in. (19 mm).

More than 28,000 ft (8530 m) of pipe was installed in two separate loops that consisted of two pipes per loop. These alternate from bore hole to heat pump buffer tank, with both loops run in the same trench. As a result, the pumping requirements were reduced to a 1.5 hp (1.1 kW) pump circulating 10 gpm (0.76 L/s) of fluid through each loop.

A building management system (BMS) monitors the temperature in each primary buffer tank so that if the setpoint is satisfied, the loop circulator will shut down. The loop also is used to pick up any heat rejected from kitchen coolers and freezers.

Design of the loop was based on 250 ft (70 m) of two horizontal pipes per ton of heat pump capacity, and 150 ft/ton (46 m/ton) for bore holes. Where cooling takes place, the bore hole length was increased to 175 ft/ton (53 m/ton).

During the summer, fluid is circulated directly from the primary loop buffer tanks to fan-coil units to provide cooling to administrative and program areas without the use of mechanical refrigeration.

Twenty-one water-to-water heat pumps were installed in mechanical rooms around the complex. The heat pumps were custom built by a local manufacturer and tested to CSA 446 Standards. These three-stage, two compressor units are controlled by the BMS to accurately maintain water temperature in the secondary buffer tank. The water temperature is varied inversely with outdoor temperature with fine-tuning of the reset curve based upon space temperature feedback. High-efficiency propane-fired

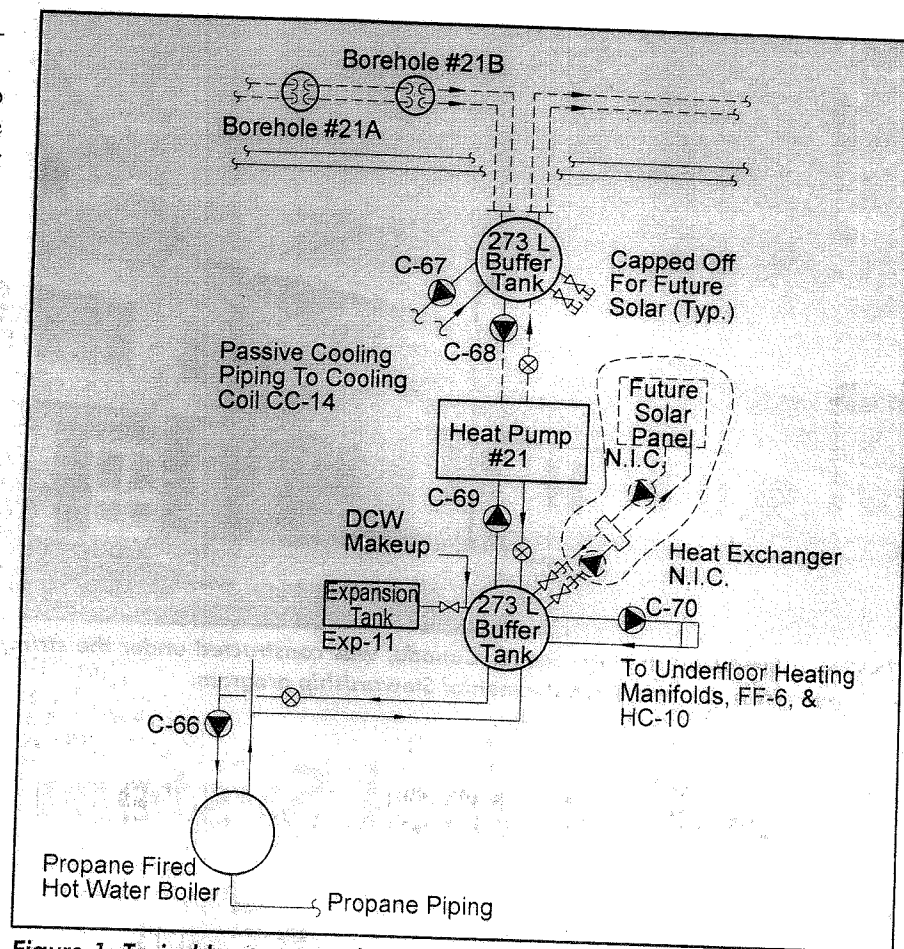


Figure 1: Typical heat pump schematic.

domestic hot water tanks provide hot water for domestic use and supplemental heat for the heat pump systems. Provision was made on each system for the addition of a supplemental solar heating component and its use was demonstrated in Residence 4 (see Figure 1).

In-floor radiant heating provides space heating for the facility. This system is suited to the low-grade heat associated with heat pumps, it has low maintenance costs, and contributes to good air quality levels. It has no exposed cabinets, which in typical correctional facilities could be subject to vandalism, dust collection, or are used as areas to conceal contraband.

Thirty packaged heat recovery ventilator (HRV) units provide ventilation for most areas. The supply air is heated through low temperature hot water coils served by the heat pump system. The gymnasium ventilation unit is equipped with a propane-fired duct furnace to handle the large quantities of outside air required for this occupancy. Fan coil units,

supplied by the primary ground loop system, provide cooling to the administrative and program areas.

### Other Innovative Approaches

To further study the capabilities of this design, four test loops were installed apart from the boreholes using variations of spiral or "slinky" piping. The standard R-22 refrigerant was substituted in several heat pumps with new refrigerant blends to increase the COP of these units. Because this deviated from traditional building systems, the project was of interest to a graduate student attending university at DalTech in Halifax, Nova Scotia. Troy Green undertook a study of the system as a basis for his graduate thesis.

With the installation of additional monitoring points on the BMS, he is able to monitor the system's operations and compare the various system components. "It has been a really interesting process," said Green. "To be able to study a system that has such innovation incorporated, and

that is actually built and operational is rather unique." Green hopes the findings from his research may provide valuable data for future design use.

### IAQ and Thermal Comfort

System design was carried out to comply with ASHRAE Standard 62-1989, *Ventilation for Acceptable Indoor Air Quality*. Because heat recovery ventilators were used, most areas are provided with 100% outside air rather than recirculated air from the occupied space. Units were sized and located strategically for the varying occupancy of the areas. The units are controlled to operate in conjunction with the lighting systems. This allows for system operation to closely match the occupancy of the space without compromising air quality, which is often experienced in facilities where air-handling units (AHUs) serve large areas and are shut down during low occupancy.

In the gymnasium, CO<sub>2</sub> control of the fresh air quantity is automated through the BMS to minimize energy consumption due to the varying occupancy of the space. The use of fan-coil units in conjunction with the HRVs is effective in maintaining adequate air circulation. This, and accurate temperature control provided by the BMS, were significant steps toward meeting ASHRAE Standard 55-1992, *Thermal Environmental Conditions for Human Occupancy*. Airflow testing and balancing of all systems was carried out in accordance with AABC methods.

### Operation and Maintenance

Building systems were standardized as much as possible to streamline maintenance and minimize replacement parts inventories. When varying capacities were required, multiple units were used. Heat pumps, circulators, water heaters, heat exchangers and filters are examples of this standardization.

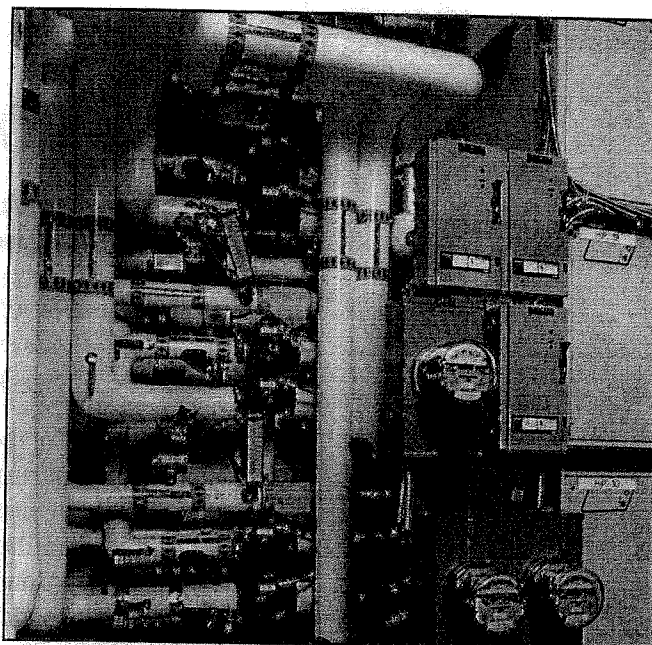
Mark Murdock, chief of engineering and maintenance for the facility, says that once the systems were set up and fine-tuned, the facility only needs routine maintenance. Murdock said that, "the BMS gives us control and troubleshooting capabilities which save us a lot of time and money." The system provides immediate notification of any alarm conditions, and allows Murdock and his staff to monitor and assess any problems encountered during operations.

### Energy Efficiency and Cost Effectiveness

The complex was designed and constructed to R2000 and C2000 standards for residential and commercial construction, and complies with ASHRAE Standard 90.1, *Energy Efficient Design of New Buildings Except Low-Rise Residential*, and ASHRAE 90.2, *Energy Efficient Design of New Low-Rise Residential Buildings*.

After total energy consumption for 1996 was calculated, it was found that the facility was operating at 560 MJ/m<sup>2</sup>/year. This compares favorably with CSC's 700 MJ/m<sup>2</sup>/year design guideline, and is about one-third of the energy used at traditional CSC facilities.

When the complex was proposed originally, its concept was based entirely on standard construction with no provision for the cost of advanced energy saving systems. Nevertheless,



**Typical mechanical room. Note modular design for such components as circulators and heat pumps.**

the project was completed on budget, with no appreciable premium for mechanical system costs.

### Conclusion

This project has demonstrated that the strategic combination of energy efficient technologies in the design of a facility can benefit its overall life cycle cost. CSC is using similar strategies in several other facilities. Energy efficient technologies have their place in areas of new design, and strategic implementation of these can benefit future programs tremendously.

### Acknowledgements

The author wishes to acknowledge the efforts of Scott Moore, P.Eng., Brian O'Blenes, CSC project manager, Mitch Brooks, architect, and the many other team members who contributed to the success of this project.

*ASHRAE Technology Awards are the HVAC&R industry's most prestigious honor for efficient energy use in buildings and environmental system performance. While the awards do not certify responsible charge or professional license status, they do recognize outstanding design innovation and successful implementation.*

Please circle the appropriate number on the Reader Service Card at the back of the publication.

Extremely Helpful .....	462
Helpful .....	463
Somewhat Helpful .....	464
Not Helpful .....	465

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184

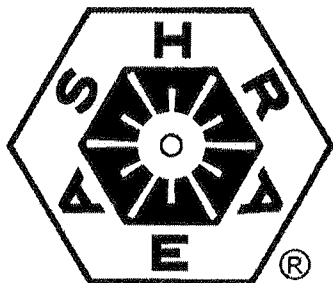
**1999 Chapters Regional Conference (CRC)**

**Region II**

**NB / PEI Chapter # 117 Report**

Montreal, QC  
August 26, 27, 28, 1999

Delegate: *Jeff Hayward*  
Alternate: *Luc Dugas*



# ASHRAE - FAX

## N.B./PEI Chapter # 117

done  
185**William Hooper, CET**

CHAPTER PRESIDENT, T.E.G.A. CHAIRMAN - NB/PEI CHAPTER

**Phone:** (506) 849-0334 **Facsimile:** (506) 849-0335 **E-Mail:** ittsj@nbnet.nb.ca**Attention:** Jeff Hayward  
**Company:** Global Mechanical Systems**Pages:** 1 in Total**Date:** August 18, 1999**Reference:** Presidents Year End Report  
1998-1999

Jeff – Here is my year end report to be submitted to the NB/PEI Chapter's part of the CRC Documentation.

=====

It was a pleasure and an honor to have had the opportunity to serve as President of the NB/PEI Chapter of ASHRAE for the 1998-1999 year. The best way to describe 1998-1999 is that it was really a year in transition for the Chapter. We had a truly dedicated and skilled group of people serving as our executive, and they did a great job in keeping the chapter operations running smoothly.

The lone disappointment was that some of our socials and general meetings did not meet our positive expectations. Many of the people that used to be the Chapter's most faithful attendees for a number of years did not show up regularly. We missed their experience and knowledge around the table during our executive meetings and also their attendance during our general meetings.

Since the executive was made up of a younger group of people, these times of transition will serve the Chapter well for the years ahead. A number of positive decisions were made with the future in mind. The creation of a Chapter Web Site was important to ensure that remote members are served with features like speaker notes, chapter news, and a technical page. Also, a new way to handle program is in the hands of the incoming Chapter President for implementation.

I look forward to next year, and the years to come as the developments we focussed on this year progress and mature toward a more active Chapter.

Respectfully Submitted,  
William Hooper, CET

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ASHRAE 1999 FALL CRC SUMMARY REPORT REGION II  
SOCIETY YEAR 1999 – 2000

CHAPTER NB/PEI CHAPTER NO 117  
CRC LOCATION: MONTREAL STATE/PROVIDENCE QC  
CRC BUSINESS SESSION: DATE: AUGUST 27 & 28 1999

**1. MEMBERSHIP PROMOTION**

	PREVIOUS YEAR (1997-1998)	CURRENT YEAR* (1998-1999)
NUMBER OF AREA-ASSIGNED MEMBERS	<u>91</u>	<u>93</u>
NUMBER OF CHAPTER DUES-PAYING MEMBERS (MUST BE SOCIETY MEMBER)	<u>66</u>	<u>66</u>
NUMBER OF NEW MEMBERS TO DATE	<u>8</u>	<u>7</u>
NUMBER OF MEMBERS DELINQUENT TO DATE / PERCENTAGE	<u>6</u>	<u>5</u>
NUMBER OF ADVANCEMENTS	<u>0</u>	<u>0</u>
NUMBER OF MEMBERSHIP PROMOTION NIGHTS	<u>1</u>	<u>1</u>
NUMBER OF STUDENT MEMBER UPGRADES	<u>0</u>	<u>0</u>

**2. STUDENT ACTIVITIES**

	PREVIOUS YEAR (1997-1998)	CURRENT YEAR* (1998-1999)
NUMBER OF DOLLARS CONTRIBUTED TO STUDENT ACTIVITIES	<u>\$500</u>	<u>\$500.00</u>
NUMBER OF NEW STUDENT MEMBERS	<u>7</u>	<u></u>
NUMBER OF STUDENT ACTIVITIES IN WHICH ONE OR MORE CHAPTER MEMBERS (OTHER THAN FACULTY ADVISOR) PARTICIPATES INCLUDING ENGINEERS FOR A DAY, PROGRAM OR TOUR	<u>5</u>	<u>6</u>
NUMBER OF TEACH-INS PER CLASS OR TO A ORGANIZED STUDENT GROUP	<u>2</u>	<u>7</u>
NUMBER OF ACTIVE STUDENT BRANCHES IN WHICH THE FACULTY ADVISOR IS A CHAPTER MEMBER	<u>1</u>	<u>1</u>

**3. TECHNICAL, ENERGY AND GOVERNMENT ACTIVITIES**

	PREVIOUS YEAR (1997-1998)	CURRENT YEAR* (1998-1999)
NUMBER OF CHAPTER TECHNOLOGY AWARD ENTRIES INTO CHAPTER COMPETITION	<u>1</u>	<u></u>
NUMBER OF TECHNOLOGY AWARD ENTRIES INTO REGIONAL COMPETITION	<u>1</u>	<u></u>
NUMBER OF CHAPTER TECHNOLOGY AWARDED ENTRIES INTO SOCIETY COMPETITION	<u>1</u>	<u></u>
NUMBER OF GOVERNMENT AFFAIRS AWARD ENTRIES INTO REGIONAL COMPETITION	<u>0</u>	<u></u>
NUMBER OF PRESENTATIONS ON HVAC&R TECHNOLOGY TO A PROFESSIONAL OR BUSINESS GROUP	<u>3</u>	<u></u>

\* THE "CURRENT" SOCIETY YEAR IS THE YEAR BEING REPORTED, WHICH FOR REGIONS WITH FALL CRCS IS THE YEAR JUST COMPLETED AND FOR REGIONS HAVING SPRING CRCS IS THE YEAR ABOUT TO BE COMPLETED.

**APPENDIX W2**

This document is revised each year in accordance with the PAOE.

**MANUAL FOR CHAPTER OPERATIONS – 1998**

done  
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**4. RESEARCH PROMOTION\FUND-RAISING**

	PREVIOUS YEAR (1997-1998)	CURRENT YEAR* (1998-1999)
GOAL	\$ <u>5000</u>	<u>6000</u>
TOTAL DOLLARS CONTRIBUTED	\$ <u>3000</u>	<u>2500</u>
NUMBER OF \$50 AND ABOVE CONTRIBUTIONS	\$ <u>25</u>	<u>11</u>
COLLECTION OF MORE DOLLARS THAN ANY PRIOR YEAR IN THE LAST FIVE	\$ <u>N/A</u>	<u>N/A</u>

**5. REFRIGERATION**

	PREVIOUS YEAR (1997-1998)	CURRENT YEAR* (1998-1999)
NUMBER OF HOURS OF CHAPTER TECHNICAL SESSIONS, TECHNICAL SEMINARS, PROGRAMS OR TOURS ON REFRIGERATION	<u>0</u>	<u>4</u>
NUMBER OF REFRIGERATION PRESENTATIONS TO AN OUTSIDE ORGANIZATION	<u>1</u>	<u>1</u>
NUMBER OF REFRIGERATION COURSES FOR CONTINUING EDUCATION	<u>0</u>	<u>0</u>

**6. CHAPTER HISTORY**

	PREVIOUS YEAR (1997-1998)	CURRENT YEAR* (1998-1999)
CHAPTER HISTORICAL DISPLAY AT CRC	<u>0</u>	<u>1</u>
RECEIPT OF SOCIETY GOLD RIBBON AWARD	<u>/</u>	<u>/</u>
NUMBER OF LEADERSHIP RECALL INTERVIEWS	<u>/</u>	<u>/</u>
NUMBER OF ARCHIVES INDEXED AND MAINTAINED	<u>/</u>	<u>10</u>

**7. CHAPTER PROGRAMS ACTIVITIES**

	PREVIOUS YEAR (1997-1998)	CURRENT YEAR* (1998-1999)
NUMBER OF HOURS OF CHAPTER TECHNICAL SESSIONS, TECHNICAL SEMINARS, PROGRAMS OR TOURS	<u>17 3/4</u>	<u>12 1/2</u>
NUMBER OF HVAC&R COURSES FOR CONTINUING EDUCATION (EXCEPT REFRIGERATION)	<u>0</u>	<u>0</u>
CHAPTER MONTHLY MEETING ATTENDANCE (AVERAGE)	<u>23</u>	<u>20</u>

**8. FINANCES**

	PREVIOUS YEAR (1997-1998)	CURRENT YEAR* (1998-1999)
RESERVE FUNDS	\$ <u>16,763</u>	<u>19,433</u>
CURRENT BALANCE	\$ <u>2,547</u>	<u>11,549</u>
CHAPTER DUES	\$ <u>50</u>	<u>50</u>
MEMBER COST OF MEALS	\$ <u>*</u>	<u>*</u>
GUEST COST OF MEALS	\$ <u>*</u>	<u>*</u>

\*ALL ATTENDEES MUST ORDER FROM RESTAURANT MENU

**APPENDIX W2**

This document is revised each year in accordance with the PAOE.

PACKAGE PLAN? NO

GIVE DETAILS:

MEETING FORMAT CONTINUES UNCHANGED; TECHNICAL PROGRAM  
PRESENTED, FOLLOWED BY MEMBERS & GUESTS ORDERING DINNER  
FROM RESTAURANT MENU. THIS ALLOWS THOSE WHO CANNOT REMAIN  
FOR THE ENTIRE EVENING AT LEAST THE OPPORTUNITY TO PARTAKE  
IN THE TECHNICAL PRESENTATION.

DESCRIPTION OF OTHER SOURCES OF INCOME:

BI. ANNUAL TRADE SHOW SPONSORED ALONG WITH "CIPH" & "IES".  
EACH SHOW IS PROVING TO BE MORE SUCCESSFUL THAN THE LAST.

DESCRIPTION OF SPECIAL PROJECTS OR PROGRAMS FUNDED:

- CONTINUING SUPPORT OF SCHOLARSHIPS AT UDEM AND UNB.
- ANNUAL AWARD OF \$700.00 TO SON/DAUGHTER OF CHAPTER MEMBER  
ENROLLED IN A TECHNICAL PROGRAM.
- ANNUAL FUNDING OF \$500.00 FOR OUR STUDENT CHAPTER.

9. CRC MOTIONS (ATTACH TO REPORT USING APPROPRIATE FORM)

10. CHAPTER PROBLEMS

- DUE TO THE SIZE OF THE CHAPTER AND GEOGRAPHIC SIZE, THE EXECUTIVE  
REMAINS A GROUP OF ONE-PERSON COMMITTEES, SOME MEMBERS  
DANG "DOUBLE-DUTY" (i.e.- TWO POSITIONS)

11. CHAPTER INNOVATIONS AND SUGGESTIONS

## APPENDIX W2

This document is revised each year in accordance with the PAOE.

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12. PAOE POINTS

PREVIOUS YEAR  
(1997-1998)

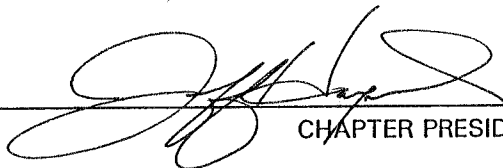
CURRENT YEAR\*  
(1998-1999)

MEMBERSHIP PROMOTION	<u>691</u>	<u>          </u>
CHAPTER PROGRAMS	<u>750</u>	<u>300</u>
RESEARCH PROMOTION	<u>404</u>	<u>          </u>
STUDENT ACTIVITIES	<u>500</u>	<u>500</u>
HISTORICAL ACTIVITIES	<u>25</u>	<u>150</u>
TECHNICAL, ENERGY & GOVERNMENT ACTIVITIES	<u>210</u>	<u>          </u>
REFRIGERATION	<u>50</u>	<u>100</u>
<b>TOTAL</b>	<u>2670</u>	<u>2127</u>

ATTACHMENTS:

1. CRC ACTION ITEMS (MOTIONS)
2. CHAPTER INFORMATION QUESTIONNAIRE\*\* - 1999-2000
3. CHAPTER PRESIDENT'S MBOs
4. BEST NEWSLETTER (OPTIONAL)
5. SPECIAL SEMINAR PROGRAM (OPTIONAL)
6. CHAPTER ROSTER (OPTIONAL)
7. PRODUCT DIRECTORY (OPTIONAL)

SIGNED: \_\_\_\_\_

  
CHAPTER PRESIDENT

\*\* FOR FALL CRCS THE CHAPTER INFORMATION QUESTIONNAIRE WILL COVER THE CURRENT SOCIETY YEAR.  
FOR SPRING CRCS THE CHAPTER INFORMATION QUESTIONNAIRE WILL COVER THE UPCOMING SOCIETY YEAR.

APPENDIX W2

This document is revised each year in accordance with the PAOE.

done  
1990

1999-2000  
**ASHRAE CHAPTER INFORMATION QUESTIONNAIRE**

Complete and mail to Headquarters, ASHRAE, 1791 Tullie Circle, N.E., Atlanta, Georgia, 30329, Telephone: (404) 636-8400, with a copy to your Regional Chair, no later than June 1. Addresses should be the same as used for other Society mailings, including your Journal, Handbook and miscellaneous mailings. Please notify Headquarters and Regional Chair promptly of questionnaire changes.

CHAPTER OFFICERS must not use nicknames; must include area code when listing phone numbers, and must list a member number. CHAPTER OFFICERS MUST BE MEMBERS OF SOCIETY IN GOOD STANDING WITH THE GRADE OF ASSOCIATE MEMBER OR HIGHER.

CHAPTER NB / PEI # 117 REGION II SOCIETY YEAR\* 1999

(\*For Spring CRCs Society Year indicates Society year beginning July 1. For Fall CRCs Society Year indicates the current year.)

MEETING DATES FOR THE UPCOMING SOCIETY FISCAL YEAR

July N/A  
August N/A  
September 23

October 12  
November 9  
December TBA

January 11  
February 8  
March 14

April 11  
May 9  
June TBA

Regular Meeting Location BOOMERANGS STEAK HOUSE, WESTMORLAND ST., MONCTON, NB

**PRESIDENT**

Name JEFFREY G. HAYWARD # 5166482  
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Business # (506) 858-1300  
FAX # 858-1906 E-MAIL # \_\_\_\_\_

**CHAPTER BOARD OF GOVERNORS**

Name WILLIAM HOOPER # 510 8515  
Address 34 FRENCH VILLAGE RD.  
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Business Name ITT FLUID PRODUCTS CANADA  
Business # (506) 849-0334  
FAX # 849-0335 E-MAIL # ittsj@nbnet.nb.ca

Name GRANT BOURQUE # 5130438  
Address 285 COLLISHAW ST.  
MONCTON, NB E1C 8N8

Business Name SAM ERMEN PLUMBING & HEATING  
Business # (506) 857-1000  
FAX # 857-1002 E-MAIL # \_\_\_\_\_

Name KENNETH M. MARTIN # 5166474  
Address 418 DOVER ROAD  
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FAX # 858.1906 E-MAIL # \_\_\_\_\_

CRC DELEGATE

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CRC ALTERNATE

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FAX # 538.7458 E-MAIL # \_\_\_\_\_

MEMBERSHIP PROMOTION COMMITTEE  
CHAIR

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Business # (506) 859.4390  
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STUDENT ACTIVITIES COMM. CHAIR

Name PHILIP ALLISON # 0012.486  
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SAINT JOHN, NB E2L 3V1

Business Name NEW BRUNSWICK COMMUNITY COLLEGE  
Business # (506) 658.6734  
FAX # 658.6792 E-MAIL # \_\_\_\_\_

CHAPTER PROGRAM COMMITTEE CHAIR

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Business Name MASTER GROUP LIMITED  
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FAX # 382.8626 E-MAIL # \_\_\_\_\_

RESEARCH PROMOTION COMM. CHAIR

Name WILLIAM HOOPER # 5108515  
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Business # (506) 849.0334  
FAX # 849.0335 E-MAIL # ittsj@nbnet.nb.ca

TECHNICAL, ENERGY & GOVERNMENT  
ACTIVITIES COMMITTEE CHAIR

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NEWSLETTER EDITOR

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FAX # 538.7458 E-MAIL # \_\_\_\_\_

HONORS & AWARDS COMMITTEE CHAIR

Name \_\_\_\_\_ # \_\_\_\_\_  
Address \_\_\_\_\_

Business Name \_\_\_\_\_  
Business # ( ) \_\_\_\_\_  
FAX # \_\_\_\_\_ E-MAIL # \_\_\_\_\_

Gerry P. Waselynychuk  
MEMBERSHIP & PROMOTION  
120 Rideout Street  
Moncton, New Brunswick E1E 1E2  
Tel: (506) 857-8788 • Fax: (506) 857-9890

August 9, 1999

ASHRAE  
1791 Tullie Circle, NE  
Atlanta, Georgia 30329-2305

FAXED

Tel: (404) 636-8400  
Fax: (404) 321-5478

AREA: MEMBERSHIP & PROMOTION FOR NEW BRUNSWICK /  
PRINCE EDWARD ISLAND

BY THE NUMBERS

A. We have the following at 6/30/99:

Members .....	93
Local Chapter Members .....	66

B. Included in the above total are:

Delinquent Members .....	5
New Members (prior to 6/30/99) .....	4
New Members (after 6/30/99) .....	3
Reinstatement w/ Backpay .....	1

YEAR OVERALL

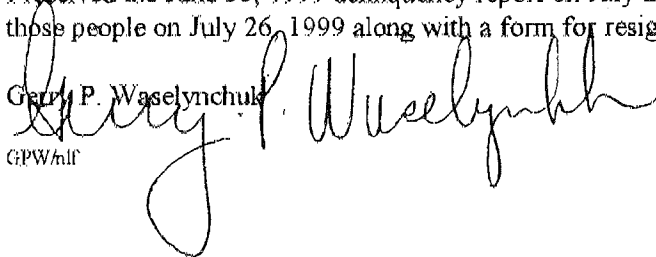
We featured a membership night on March 9, 1999.

We had the four new member forego their local dues (\$ 50.<sup>00</sup> CAN) as some incentive for them to join. We will continue this practice.

The 18 delinquent members as of February 1, 1999 were forwarded nice letters regarding their outstanding dues. As a result of those letters only 5 remain outstanding.

I received the June 30, 1999 delinquency report on July 23, 1999 and additional letters will be forwarded to those people on July 26, 1999 along with a form for resignation.

Gerry P. Waselynychuk  
GPW/hlf



(17 STUDENT MEMBERS)  
AS OF 2/16/99

**ASHRAE**

American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc.

1791 Tullie Circle, NE • Atlanta, Georgia 30329-2305 • 404-636-8400 • Fax 404-321-5478 • <http://www.ashrae.org>George Menzies, P.Eng.  
Vice Chairman, Region II  
Membership PromotionReply to: 77 East 45th Street  
Hamilton ON CANADA  
L8T 3J8  
905-388-1313  
Fax 905-387-9991E-mail: [gmenzies@netcom.ca](mailto:gmenzies@netcom.ca)  
cc: Darryl K. Boyce, DRC Region II  
\* New MP Chapter Chairman '98-'99

To: Region 2 Chapter Membership Promotion Chairman:

- ☐ Halifax: Peter Melnyk
- ☒ NB/PEI: Gerry Waselynychuk
- ☐ Quebec: Daniel Giroux \*
- ☐ Montreal: Jean-Pierre Lavigne \*
- ☐ Ottawa Valley: Adam Beales \*
- ☐ Toronto: Herb Sage
- ☐ Hamilton: Ed Cazzola \*
- ☐ London: Tom Pollard \*
- ☐ Windsor: James Smith \*

**98-'99 MEMBERSHIP PROMOTION CAMPAIGN**

Issue 99-4

July 16<sup>th</sup>, 1999

**Membership Growth:** We had a record growth in new members in Region 2 – as of May 31<sup>st</sup> – the latest report I have. With an application available directly from the ASHRAE Home-page, we have 40 to 50 new members joining the Society each month or more than 500 in the past year. This is expected to grow, particularly now that a new prospect does not need a sponsor name on the application.

**Delinquents:** They continue to be a major dilemma throughout all Regions. Region 2 and the other Canadian Chapters have the highest delinquent percentages. All the 13 MP RVC's continue to be unhappy with Headquarters and their record keeping. Our Society staff person stated that Headquarters are aware of the situation and have implemented some short-term solutions till the new computer system is fully on line. This should be sometime in next 11 months. It should give Chapter Chairs immediate status reports of who's paid their dues when the Chair searches via the Website.

**ASHRAE Membership: Effective July 1999** - No Affiliate class – only Associate and Member. To be a full Society Member, one needs 12 years of education beyond high school + experience (1 pt/year). One must be a Member to be on Society Committees – Nominating; TEGA; RP; MP; Charter & Bylaws; and any TC or TG. Remember this when your Chapter is nominating names at the Montreal CRC in August. **Check those bios now – before Montreal CRC.** Other key membership changes – No sponsor on application; \$130 dues, up from \$120; Anniversary billing – you get full 12 months (Journals; Insights; Website access, etc) for your payment; a new MP brochure – available at CRC – best yet, will eliminate many others and can be used at chapter reception desk for hand out to guests; or mail out to prospective members + give to your employer to read so he supports your participation in ASHRAE. This coloured brochure is slick - believe me. I'm proud to promote it. ASHRAE has contracted a new resume link service – you will have access to 100's of resumes. The student branches and employers will benefit from this service.

**Montreal CRC – MP Workshop Sat August 28<sup>th</sup>, 1999:** We have had full attendance for the past 2 years and I would hope we could keep the record in tact. At this time, I need to know the name of the MP Chair from your chapter who will be at the Saturday AM workshop. Transportation is covered for the Chair – not the Assistant or someone filling in. Please Fax back ASAP the details about the incoming Chair. My number is 905-387-9991 or e-mail me the info [gmenzies@netcom.ca](mailto:gmenzies@netcom.ca)

Name of Chair	KEN MARTIN	Mailing Address	418 DOVER RD
Telephone #	859-4390 (506)		FOX CREEK, NB
Fax #	859-6959 (506)		EOA, I.R.D.
E-mail			

State whether Chair will be at Workshop Yes..... No..... on Sat 28<sup>th</sup> @ 7:30 AM to attend workshop and receive new MP Resource Manual – an outstanding reference document designed for the Society Fall CRC's 1999 – Chair needs to know contents to be effective.

Hope to see you in Montreal

George Menzies RVC Region 2

GEORGE-I'LL BE HELPING KEN OUT  
NEXT YEAR - GERRY.

**ASHRAE**

American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc.

*done  
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## **NB/PEI Chapter ASHRAE Student Activities Report 1998-1999**

It was a very event-filled year for our Student Chapter, with several technical tours and presentations attended by our student members, as well as a technical tour that included several of our regular members.

Highlights of the year included:

- Site tour of Irving Oil's Refining Division
- Facility tour of NB Power's Courtnay Bay Generating Station
- Facility tour of Saint John Regional Hospital Complex
- Site tour of Baxter Foods' refrigeration and processing facilities
- Tour of Brunswick Square Office Tower
- Technical tour of Wirsbo's piping extrusion plant (attended by Chapter members as well)
- Technical tour of Harbour Station arena's refrigeration and HVAC systems
- Technical presentation by James Wolf, ASHRAE Society President-Elect, on HCFC refrigerants

We hope to maintain, and hopefully increase, the levels of activity and enthusiasm shown this year by our student members, in the upcoming year.

CHAPTER MAY NOT ACT FOR SOCIETY



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# ASHRAE -- TEGA FAX

*Technical, Energy, and Government Affairs Committee Local Report*

**William Hooper, CET**

TEGA CHAIRMAN - NB/PEI CHAPTER

Phone: (506) 849-0334

Facsimile: (506) 849-0335

E-Mail: whooper@fluids.ittind.com

**ASHRAE -- NB/PEI -- REGION II**

**Attention:** Jeff Hayward  
**Company:** Global Mechanical Systems

**Pages:** 1 in Total

**Reference:** TEGA Year End Report  
For CRC 1999

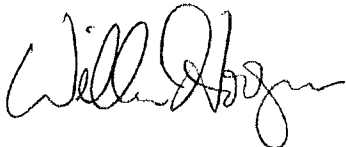
**Date:** August 23, 1999

Jeff – Here is my year end report for TEGA.

This was an exciting year for TEGA, in the sense that we had a big winner in the ASHRAE Technology Awards through Enerplan. As the RVC is aware, I had been trying to get Enerplan to submit the project for a while, and it was certainly worth the wait.

Also, we had some technical presentations that occurred earlier in the year. A total of 235 PAOE points were gained.

Best Regards,



William Hooper, CET  
TEGA Chairman, N.B. / PEI Chapter

**ASHRAE**

American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc.

done  
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**NB/PEI CHAPTER ASHRAE  
RESEARCH PROMOTION REPORT  
1998-1999**

Mr. Denis Potvin  
RVC Research Promotion  
ASHRAE - Region II

Dear Denis,

I am pleased to submit this report for the Research Promotion 98-99 year. Although I was unable to reach our goal I do have several highlights to report:

- Donations were reviewed from Chapter Executive allowing the Chapter to qualify for the Full Circle Award
- The Chapter was very excited to be able to donate \$1300.00

As stated in last year's Chairman's report, I also experienced reluctance to donate from long term past contributors. They expressed their desire to give to others. My impression however is that they will give to ASHRAE again in the future.

I had read Steve Tweedie's report from the previous year in which he recommended the formation of a committee to solicit donations. I did not follow his advice and attempted to do the work myself. In hindsight I would have to agree with the idea of a donation committee.

I would thus like to pass on this recommendation to my successor, Bill Hooper, and also wish him the best in his efforts.

Sincerely,

Bill Goobie, P. Eng.

CHAPTER MAY NOT ACT FOR SOCIETY

**REFRIGERATION REPORT 1998-1999**  
**ASHRAE NB/PEI Chapter**

To: Hugh Crowther, P.Eng.  
R.V.C. Refrigeration, Region II

Two technical sessions were performed in Moncton during this period. The first was done in November by a Johnson Controls representative. Meeting was attended by approximately 15 people and lasted approximately 90 minutes.

The second technical session was held in December by York International's service manager for eastern Canada. The meeting was attended by approximately 35 people, including several students from the refrigeration course taught at New Brunswick Community College of St. Andrews. The session lasted approximately 2 ½ hours.

Refrigeration night was held during our April meeting of ASHRAE. The presentation was given by James Wolfe from American Standards (on ASHRAE's distinguished speakers list). The meeting was attended by approximately 45 people.

Best Regards,



Gary LeBlanc, P.Eng.  
Refrigeration Chair, NB/PEI Chapter of ASHRAE



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**ASHRAE**

American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc.

**NB/PEI CHAPTER ASHRAE  
HISTORIAN REPORT  
1998-1999**

Mr. Cliff Thompson  
Regional Historian, ASHRAE  
RR #5  
Campbellford, Ont. K0L 1L0

Another year draws to a close and I can say that it was a good one. I am very excited that the Chapter was able to get it's own website up and running and that we have a section dedicated to history!

My task for the upcoming year will be to bring the website up to date as a few of the immediate past years are not yet included. I hope to be able to involve the Presidents from these years to write a description of their year using the website as a guide.

In the past year I once again solicited historical items from people's basements but received no responses. I know there must be some interesting items out there so I will try again this year. Maybe I'll go door to door...

I look forward to serving as historian again for the upcoming year.

Sincerely,

Bill Goobie, P. Eng.

CHAPTER MAY NOT ACT FOR SOCIETY

**PROGRAM CHAIR-YEAR IN REVIEW:**

The 1998/99 program was very successful for our chapter. We held a well-rounded year that included hosting CRC and a visit from a distinguished speaker.

We started the year off with a Presidential visit from Mr. George Jackins who attended our CRC.

The Fall of 1999 brought us several exciting themes. Our energy night focused on the Deregulation of Electrical Utilities, which was well attended.

The Spring brought us an exciting visit from Mr. James Wolf, an ASHRAE distinguished speaker. The presentation was excellent and attendance was above 50. This was a record for our chapter.

We would summarize the year as being very successful since our average attendance was stronger than has been for a number years.

done

ASHRAE NB/PEI CHAPTER  
1999/2000 MEETING  
SCHEDULE

200

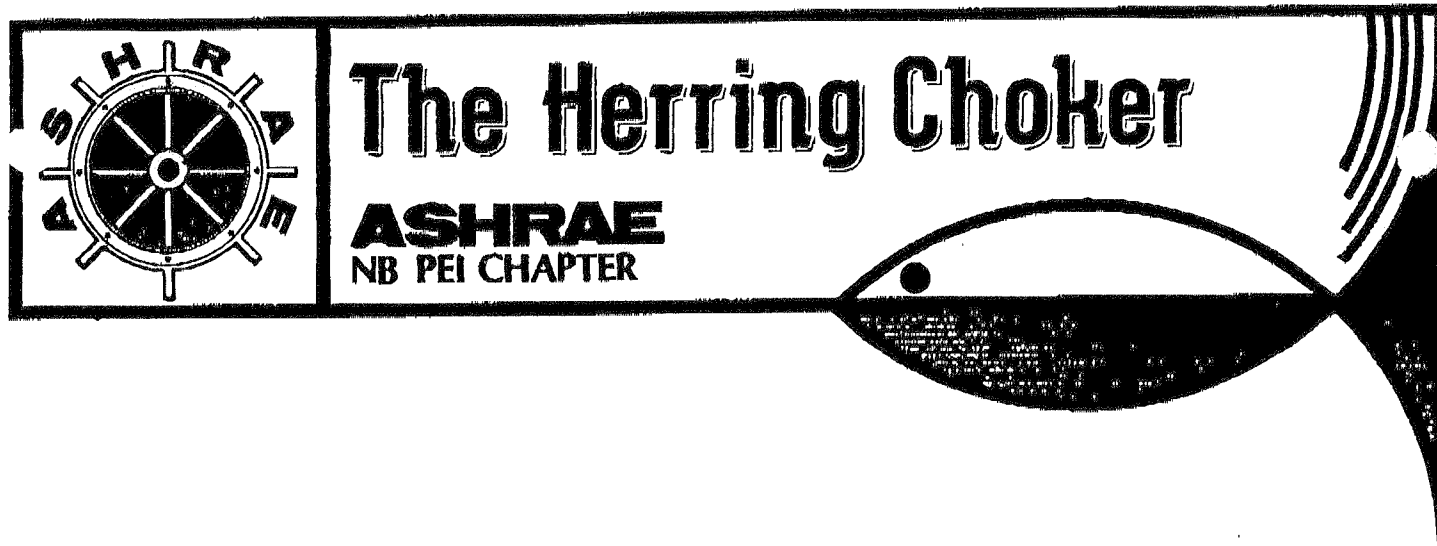
19<sup>th</sup>.

\* THEME NIGHT ORDER SUBJECT TO CHANGE

- ▶ October 12, 1999:  
THEME: RESEARCH PROMOTION.  
TOPIC: ENERGY NIGHT  
PRESENTER: POSSIBLE  
RVC - R.P.  
Denis Potvin
- ▶ November 9, 1999:  
~~R.V.C. - R.P.~~  
~~DENTS Potvin~~  
THEME: RESEARCH PROMOTION NIGHT  
TOPIC: GAS PHASE FILTRATION  
PRESENTER: CIRCUL-AIRE
- ▶ December 1999  
THEME: CHRISTMAS  
LOCATION:  
PRESENTER:
- ▶ January 11, 2000:  
THEME: PAST PRESIDENT'S NIGHT  
TOPIC:  
PRESENTER:
- ▶ February 8, 2000:  
THEME: TEGA NIGHT  
TOPIC:  
PRESENTER:
- ▶ March 14, 2000:  
THEME: MEMBERSHIP NIGHT  
TOPIC:  
PRESENTER:
- ▶ April 11, 2000:  
THEME: REFRIGERATION NIGHT \*  
TOPIC:  
PRESENTER: ITT FLUID PRODUCTS CANADA
- ▶ May 11, 2000:  
THEME: EDUCATION NIGHT  
TOPIC: TECHNICAL TOUR  
PRESENTER: ASHRAE STUDENT CHAPTER
- ▶ June 1999.  
THEME: INSTALLATION OF OFFICER'S NIGHT  
TOPIC:

DARRYL Boyce - Nov, Jan. or Feb

done  
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## ASHRAE NB/PEI CHAPTER February Meeting

**Date:** Tuesday, February 9, 1999  
**Location:** Boomerang's Steakhouse on Westmorland Street in Moncton  
**Time:** Social hour at 5:00 p.m.  
Presentation at 6:00 p.m. with meal to follow

### Congratulations Stephen Tweedie!!!

Before we get to involved in this month's *Herring Choker*, The Chapter would like to congratulate Mr. Stephen Tweedie who received his well deserved ASHRAE Engineering Design Award at the recent 1999 ASHRAE Winter Meetings held in Chicago. More details are inside this edition of the *Choker*.

Our guest speaker for the February meeting is Mr. Greg Lewis, Central Region Sales Manager for ITT Fluid Products Canada. His discussion will focus on boiler level controls and how they relate to equipment such as condensate and boiler feed pumping units. Mr. Lewis will demonstrate that there are important links to this equipment and that they should operate in an efficient and cooperative manner. With several years of experience in this field, this presentation should be an informative and interesting talk.

Along with his Sales Manager duties, Mr. Lewis is also responsible for the sales and marketing of steam / condensate boiler feed units, heat transfer and level controls as a product line specialist for M&M, Hoffman, Domestic and B&G heat transfer.

**N.B. P.E.I. Chapter ASHRAE, P.O. Box 1629, Moncton, N.B. E1C 9X4**

done  
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<p style="text-align: center;"><b>Honeywell</b></p> <p><b>Gerry Bourque</b> System Sales Representative Building Control</p> <p>Home and Building Control Honeywell Limited 409 Dieppe Boulevard Dieppe, New Brunswick E1A 6P8</p> <p>506 / 857-8890 Direct 506 / 856-5764 Fax 506 / 858-5650</p>	<p>PHONE: 857-4296      FAX: 859-9492</p> <p style="text-align: center;"><i>Moncton Plumbing &amp; Supply Co. Ltd.</i> MECHANICAL CONTRACTORS</p> <p>141 HALIFAX ST., MONCTON, N.B. E1C 8H7</p>	<p style="text-align: center;"><b>ITT Industries</b></p> <p>AUTOMOTIVE DEFENSE &amp; ELECTRONICS FLUID TECHNOLOGY</p> <p><b>William Hooper, C.E.T.</b> ITT Fluid Products Canada ITT Fluid Technology Corp. 34 French Village Road Wells, N.B. E2S 2W3 Tel: (506) 849-0334 Fax: (506) 849-0335</p>
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## NB/PEI Chapter Member Wins Award


During the recent ASHRAE Winter Meetings held in Chicago, the Society presented ASHRAE Technology Awards to 10 designers throughout North America. The award-winning projects demonstrate that the application of current HVAC&R technology enables building owners and managers to operate their buildings more cost effectively while providing optimal environmental conditions.

Mr. Tweedie's project at the women's correctional facility in Truro, NS was selected as the best in the institutional building category. The 41,295 sq. ft. facility is served by 30 packaged heat recovery ventilators which contribute to indoor air quality. The design also combines various technologies for optimum energy efficiency and IAQ. Twenty one water-to-water heat pumps were placed in mechanical rooms throughout the building. Propane fired domestic water heaters serve double duty to heat domestic water and back up the heat pump systems. Radiant floor heating provides space heating in the facility.




The total energy consumption is 597,138 equivalent kWh per year, which is about a third of the consumption of other facilities of this nature. This system had an annual operating cost savings of \$5,367 over traditional systems. Payback was immediate as the mechanical systems costs were within the facility's construction budget.

Mr. Tweedie is the director of engineering services at Enerplan Consultants Ltd. in Moncton.

Congratulations Stephen on your well-deserved award!

<p><b>eastcan</b></p> <p><b>EASTCAN CONSULTANTS LTD.</b> Consulting Professional Engineers</p> <p>175 Henri Dunant St. Moncton, N.B. E1E 1E4 Tel: 506-857-8880 Fax: 506-859-8393 eastcan@nbnet.nb.ca</p> <p>1410-81 Union St. Saint John, N.B. E2L 1A2 Tel: 506-634-1286 Fax: 506-648-9112 ecisj@nbnet.nb.ca</p>	<p>TEL: 506-858-0313      FAX: (506) 858-1119</p> <p style="text-align: center;"><b>JOHN M. MacLEAN MANAGEMENT LTD.</b> <b>CONSULTING ENGINEERS</b></p> <p><b>JOHN M. MacLEAN, P. Eng.</b> PRESIDENT</p> <p>P.O. Box 578 Moncton, N.B. E1C 8L9</p>	<p>FAX: 856-9981 TEL: (506) 857-2233</p> <p style="text-align: center;"> ELECTRICAL &amp; REFRIGERATION SERVICES LTD.</p> <ul style="list-style-type: none"> <li>- ELECTRONICS</li> <li>- ELECTRICAL</li> <li>- REFRIGERATION EQUIPMENT</li> <li>- ICE MACHINES</li> <li>- HEATING &amp; AIR CONDITIONING</li> <li>- BURGLAR &amp; FIRE ALARM SYSTEM</li> <li>- ELECTRIC MOTORS</li> <li>- PLUMBING</li> <li>- MOTOR CONTROLS</li> </ul> <p style="text-align: center;"><b>- EMPLOYEE OWNED -</b></p> <p>88 Beaverbrook St., P.O. Box 569, Moncton, N.B. E1C 8N8</p>
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done  
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 <p><b>Advanced Energy Management Ltd</b> 60 Dicksell Crescent Moncton, N.B. E1E 3R8</p> <p><i>Supply &amp; Installation Environmental Control Systems Building Automation Systems</i></p> <p><b>TA</b> Authorized Distributor for THERM &amp; ANDERSON</p>	 <p><b>SCAN AIR BALANCE 1990 LTD</b> Certified Member AABC</p> <p>Air &amp; Water Balancing &amp; Duct Leakage Testing Sound And Vibration Testing &amp; Commissioning Indoor Air Quality Testing</p> <p><b>GARY P. CLANCY</b></p> <p>50 Dicksell Cres., Suite 200 Moncton, N.B. E1E 3R8</p> <p>Tel: (506) 857-9100 Fax: (506) 857-1719</p>	 <p><b>SAM ERMEN PLUMBING &amp; HEATING LTD</b></p> <p>TERRY STEEVES Owner</p> <p>P.O. Box 932 285 Collingwood St. Moncton, N.B. E1C 8N8</p> <p>TEL: (506) 857-1000 FAX: (506) 857-1002</p>
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## January business meeting:


Members of the Chapter Executive, Board of Governors and Committee Chairs are reminded that the business meeting will be held before the general meeting. **Call to order is a 4:00 p.m.**

## 1999 ASHRAE Scholarship –DEADLINE IS FEBRUARY 15, 1999

The local Chapter will be awarding a \$500 scholarship to the son or daughter of a Chapter member in good standing. Requirements are that the student is attending or will attend a minimum 2-year program in an engineering or science program at a recognized university or technical institution. Deadline for applications is February 15, 1999. Please submit applications to Mr. Luc Dugas at tel.: (506) 538-2346 or fax.: (506) 538-7458.

## Special Guest at this month's meeting

Mr. Denis Potvin, Region II Research Promotion Chair, will be on hand during our February meeting to visit the local Chapter and help raise awareness for continued contributions to ASHRAE Research. As you are aware, donations to ASHRAE Research Promotion are the driving force behind our Society and our objectives. Let's have a big turn out for the meeting and show our appreciation for his visit. Oh yeah, Bring your cheque book!!!

 <p><b>Gorplan consultants Ltd.</b> energy planning and engineering</p> <p><b>STEPHEN W. TWEEDIE, P. Eng.</b></p> <p>100 Cameron Street, Suite 5001 Moncton, N.B. E1C 5Y6</p> <p>Tel: (506) 858-1300 Fax: (506) 858-1908 email: eng@gorplan.com</p>	<p><b>KEY VENTURES LTD.</b> A Division of Apex Industries Limited</p> <p>PLUMBING • HEATING • VENTILATION AIR CONDITIONING CONTRACTORS</p> <p><b>DONALD (DON) JOHNSON</b> VICE-PRESIDENT &amp; MANAGER</p> <p>P.O. BOX 1271 159 PACIFIC AVENUE MONCTON, N.B. E1C 8P1</p> <p>TEL: (506) 857-1595 FAX: (506) 857-1679</p>	<p><b>METALTECH LTD.</b></p> <p>Sheet Metal Products Manufacturer Acoustic and Thermal Plenums VAV Boxes Custom &amp; Specialty Fabrications</p> <p>671 Thibodeau, Dieppe Industrial Park Dieppe, N.B.</p> <p>Tel: (506) 859-4289 Fax: (506) 859-6959</p>
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**Jeff Hayward**

**From:** Jeff Hayward  
**Sent:** October 19, 1999 9:43 AM  
**To:** 'Allison, Phil'; 'Bourque, Grant'; 'Goobie, Bill'; 'Hooper, Bill'; 'LeBlanc, Gary'; 'Martin, Ken';  
 'Travis, Carman'; 'Waselynychuk, Gerry'; 'Weldon, Derek'  
**Subject:** Chapter Executive Meeting Agenda

**Importance:** High

## ASHRAE – NB/PEI Chapter #117

**Jeff Hayward**

Chapter President 1999-2000

**Telephone:** (506) 857-4887

**Facsimile:** (506) 857-4989

**E-mail:** [gmsljh@nbnet.nb.ca](mailto:gmsljh@nbnet.nb.ca)

**Attention:** Chapter Executive & B.O.G.

**Date:** October 19, 1999

**Company:** ASHRAE NB/PEI

**# of Pages:** One (Total)

**Reference:** ASHRAE Executive Meeting Agenda

Good morning, gentlemen.

As Luc so politely noted in the Choker, we have a heavy agenda to go through today, so please try to be at Boomerang's ready to start at 3:30PM sharp.

Here is a very brief agenda outline for today:

- Call to Order @ 3:30PM
  - Old Business (if any outstanding). →
  - New Business
    1. Chapter programs/speakers for 1999-2000
    2. Chapter Chair reports/updates
      - Treasurer
      - Programs
      - Research Promotion
      - TEGA
      - Student Activities
      - Refrigeration
      - Historian
    3. Update on Golf Tournament
    4. Social Event Planning for 1999-2000
    5. Outline of tonight's General Meeting for "Research Promotion Night"
  - Open discussion of questions/concerns
- Adjournment @ 5:00PM

If you have anything that you feel should be added to our agenda, let me know and I will add it. If there are any of you that CANNOT attend today's meeting, please advise as soon as possible.

See you this afternoon.

Robin NOV. 9<sup>th</sup> → Fed President visit OVER-

*new card*  
 • Bill Hooper  
 • Grant  
 • Chuck McKeen's.  
 (CAES may be on time)  
 → RP award recipient  
 for next choice.  
 → History plea for  
 still.



**N.B. / P.E.I. Chapter - Region II**  
**October Meeting**  
**November 9<sup>th</sup>, 1999**

**EXECUTIVE MEETING MINUTES**

**Attendees:**

Jeff Hayward (JH)  
 Grant Bourque (GB)  
 Luc Dugas (LD)

Gary LeBlanc (GL)  
 Ken Martin (KM)

Bill Goobie (BG)  
 Derek Weldon (DW)

**Location:**

Boomerang's Steakhouse, Moncton, N.B.

**MINUTES:**

JH calls the meeting to order at 4:30 p.m.

GB motions to accept minutes from last meeting. LD seconds.  
 Motion passed.

KM advises we have had a number of new members join so far this year but we need more membership applications. GL states that applications are on order and will forward to all ASHRAE executives when received.

JH motions to increase money allotted for scholarship award to \$1500. Motion passed unanimously. LD and GL volunteer to formulate guidelines for application and award of scholarships.

GB advises application forms have been made up for the Curling Funspiel in February and are being circulation in the Herring Choker. Same format as last year with curling and meal. Deadline for applications is early/mid February to allow time to order food.

GL to submit a list of current ASHRAE members at next executive meeting as a phone list for future meetings.

GB advises problems with missing business cards in Herring Choker on Chapter Website. JH states all problems relating to website are to be forwarded to Bill Hooper.

CHAPTER MAY NOT ACT FOR SOCIETY



**ASHRAE**

American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc.

**New Business:***ASHRAE Distinguished Speaker*

JH advises that we have secured a distinguished speaker from AHSRAE for our April meeting (Refrigeration Night). GL to talk with RSES to promote this meeting. JH to fax info on distinguished speaker to GL to aid in promotion. All ASHRAE executives are strongly encouraged to actively promote this meeting (and all meetings) to have high turnout.

*MEET 2000*

KM and JH interested in using a prize draw as a promo for the ASHRAE booth at the MEET 2000 trade show. Possibly have a questionnaire for people to fill out, and draw for a prize. AHSRAE executives are encouraged think of correct prize & questions. Details to be determined at next executive meetings.

GL motions to adjourn meeting. GB seconds.

Meeting adjourned at 5:10 p.m.

Respectfully Submitted,

Gary LeBlanc, P.Eng.

CHAPTER MAY NOT ACT FOR SOCIETY



**ASHRAE**

American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc.

**NB/PEI Chapter - Region II  
January Meeting  
January 11, 2000**

**EXECUTIVE MEETING MINUTES**

**Attendees:**

Bill Hooper (BH)  
Derek Weldon (DW)

Phil Allison (PA)  
Jeff Hayward (JH)

Luc Dugas (LD)  
Ken Martin (KM)

Special Guest: Mr. Denis Potvin, Regional Vice-Chair for Research Promotion, Region II

**Location:** Boomerang's Steakhouse, Moncton, NB.

**Minutes:**

**JH** called the meeting to order at 3:50 pm, January 11, 2000.

**Business Arising from Old Minutes:**

**PA** moves to accept the minutes of the November 1998 executive meeting. Motion is seconded by **KM**.

**PA** suggests that the Chapter provide CD ROM versions of the ASHRAE Handbooks as a gift for the questionnaire / draw during the up coming M.E.E.T. 2000 show.

**LD** presents the scholarship guidelines established by himself and Gary Leblanc. A copy is attached to the minutes to allow all executive members to review. Changes and approval will be done at the February executive meeting.

**Committee Reports:**

**DW**, Treasurer, indicates that he has sent out the invoices for the 1999-2000 Herring Choker business card advertisements. To date there has been 3 renewals and 3 drop-outs. He indicates that some of the advertisers may not like the current card format. **BH** will look at other options with the web site designer. **LD** will pole the 16 advertisers from last year to get their opinion of the current format.

**BH**, Research promotion chair, reports that he has met with Mr. Potvin to discuss RP. More donor recognition and solicitation from past donors were specifically discussed. **BH** requested that the donation from the proceeds of the golf tournament's contests be turned over A.S.A.P. **BH** would also like to see similar contests at the up-coming curling bonspiel.

**KM**, Membership chair, met with past chair, Mr. Waselynychuk, to facilitate his transition into the position. He reports that he has mailed numerous membership applications and requests that more be ordered. **GL** will order additional copies.

CHAPTER MAY NOT ACT FOR SOCIETY





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**ASHRAE**

American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc.

**PA**, Student activities chair, indicates that he is trying to secure student chapter members before the M.E.E.T. 2000 show.

#### **New Business**

**PA** motions that the \$1000.00 surplus created by the absence of a 1999-2000 student chapter should be set aside and divided equally between student activities and research promotion. **BH** seconds the motion.

Mr. Potvin suggests that if any financial surplus exists, it could be used to set up a fund to sponsor members who are interested in chairing positions at the region II level. Not all expenses incurred by members holding regional positions are covered by ASHRAE. These expenses can run quite high and may discourage members from volunteering for these positions.

**JH** indicates that the February meeting will be moved to 15th due to the ASHRAE Winter Meetings and AHR Expo.

**PA** will try to secure a speaker from Saint John for the February or March meeting.

Gary Fahie updates the executive committee on the M.E.E.T. 2000 show. He indicates that he may need some volunteers from the Chapter to help with various tasks.

**PA** motions to adjourn the meeting at 5:15 p.m. **BH** seconds the motion.

#### **GENERAL MEETING MINUTES**

15 People in attendance.

**JH** welcomes the members and asks all in attendance to introduce themselves.

**BH** presents commemorative medallions to the members of the 1999-2000 Chapter executive for their donations to ASHRAE Research Canada and announces that the Chapter has also won a full circle award for these donations. A medal is also presented to Mr. Steve Tweedie for his contribution to the 1998-1999 campaign.

Mr. Denis Potvin provides the membership with an update on the activities of ASHRAE Research Canada and invites all members to make donations in order to continue ASHRAE's research endeavors.

Mr. Steve Tweedie makes a presentation on his award winning project at the Nova Institution in Truro, NS. This project won an ASHRAE Technology Award in 1999. Mr. Glen Kay, Maritime Geothermal, is also on hand to discuss the heat pumps he provided for the project.

CHAPTER MAY NOT ACT FOR SOCIETY

# ASHRAE – NB/PEI Chapter #117

**Jeff Hayward**  
Chapter President 1999-2000

**Telephone: (506) 857-4887**

**Facsimile: (506) 857-4989**

***E-mail:*** [gmsljh@nbnet.nb.ca](mailto:gmsljh@nbnet.nb.ca)

**Attention:** Chapter Executive & B.O.G.

**Date:** February 15, 2000

**Company:** ASHRAE NB/PEI

**# of Pages:** One (Total)

**Reference:** ASHRAE Executive Meeting Agenda – Tuesday Feb. 15<sup>th</sup>.

Good morning, gentlemen:

As noted in the Choker, we have a heavy agenda to go through today, so please make your best effort to be at Boomerang's ready to start at 3:30PM sharp.

Here is a very brief agenda outline for today:

- Call to Order @ 3:30PM
  - Minutes from January meeting
  - Old Business (if any outstanding).
  - New Business
  - 1. Chapter Chair reports/updates
    - Treasurer
    - Programs
    - Research Promotion
    - TEGA
    - Membership Promotion
    - Student Activities
    - Refrigeration
    - Historian
  - 2. Chapter program/speakers for March, distinguished speaker for April, what about May??
  - 3. Update on Curling Bonspiel
  - Outline of tonight's General Meeting for "Energy Night"
  - Update on "M.E.E.T. 2000" & free propaganda !!
  - Open discussion of questions/concerns
  - Adjournment @ 5:00PM
- \* Add Link to  
WEBSITE TO
- \* CHAPTER BYLAW A

- \* ADD LINK TO MEET 2000 WEBSITE TO OUR SITE.

\* CHAPTER BYLAW APPROVAL.

If you have anything that you feel should be added to our agenda, let me know and I will add it. If there are any of you that CANNOT attend today's meeting, please advise as soon as possible.

See you this afternoon.

**NB / PEI Chapter - Region II  
Executive Meeting - March 21, 2000**

**MEETING MINUTES**

**Attendees:**

Phil Allison (PA)  
Bill Goobie (BG)

Luc Dugas (LD)  
Jeff Hayward (JH)

Derek Weldon (DW)

**Location:**

Boomerang's Steakhouse, Moncton, NB.

**Minutes:**

**JH** called the meeting to order at 4:00 pm, March 21, 2000.

**LD** will prepare a questionnaire for the upcoming MEET 2000 Show in order to survey existing and prospective members. The questionnaire will also be used at the April meeting. **LD** and **JH** will order ASHRAE products from Society to give away as door prizes for answering the questionnaire during the MEET Show.

**LD** asks all executive members to provide comments on the newsletter's new format on the website. Comments will be collected at the April executive meeting.

**DW** will advise Society that the chapter will continue to have chapter dues collected with the annual membership renewal.

A table of 8 seats will be purchased by the chapter for the Gala Industry Dinner during the up-coming MEET 2000 Show. The tickets will be drawn for during the April meeting as a door prize for those in attendance. The cost of purchasing 8 tickets is \$500.00.

**LD** announces that he will begin recruiting for the 2000-2001 Executive and Board of Governors.

**DW** presents the chapter's financial report.

**JH** will coordinate a venue for the June Installation of Officers. He will also recruit assistance as required.

There will be no general meeting during the month of May due to the MEET 2000 Show as most members will be participating as exhibitors or visiting the exposition. An executive meeting will be held, details are yet to be scheduled.

The executive committee will recruit out of town members for the April meeting by offering to subsidize their meal expense. A phone list will be requested from Gary Leblanc.

The meeting is adjourned at 5:15 p.m.

Submitted by

Luc Dugas  
President-Elect