

1992

Halifax

Companions

Day 1 Thursday August 27, 1992

- 11:00am- 5:00pm Registration
- 1:00pm- 5:00pm Companion Room - Open (Suite 292)
- 4:10pm- 4:30pm Plenary Session
- 7:00pm- 8:00pm Welcome Party
- 9:30pm-11:00pm Hospitality Room - Open (Suite 292)

Day 2 Friday August 28, 1992

- 7:30am- 5:00pm Registration
- 7:00am- 5:00pm Companion Room - Open
- 7:00am- 9:00am Breakfast - Coffee & Muffins
- 8:00am-11:45am Scenic Tour of Peggy's Cove
- 12:00pm- 2:00pm Awards and President's Lunch
- 2:00pm- 4:30pm Halifax Walking Tour
- 7:00pm Regional Social Function
Historic Feast
- 10:00pm-11:00pm Hospitality Room - Open

Day 3 Saturday August 29, 1992

- 7:00am- 9:00am Registration
- 8:30am- 3:30am Companion Room - Open
- 8:30am- 9:30am Breakfast - Coffee & Muffins
- 9:30am-12:00pm Tour of Historic Halifax
- 3:30pm Vacation Tour of Nova Scotia or
Return to Home Chapter

Hospitality Events

Halifax Walking Tour

Time: 2 & 1/2 hours

Discover the old core of downtown Halifax. Since 1749, Halifax has grown and changed; but continues to combine just the right mix of old and new. The eloquent arches of Georgian and Victorian architecture not only convey the heroic age which is past, but strongly qualify the present and insist that whatever the metropolitan community becomes, Halifax's delightful human scale will be retained. Romance clings to Halifax's historic downtown like the early morning mists from the sea and many citizens cherish the very stones from which the old seaport was built. Discover Halifax for yourself.

First Halifax

Time: 2 & 1/2 hours

This history and anecdote filled ride through the streets of Halifax will introduce you to one of North America's most unique and captivating destinations. Hear of the days of rumrunning and privatering, Halifax during the war years, and of the exploits and heroism of the many citizens that lived through the devastating explosion of the ammunition ship *Mont Blanc* on December 6, 1917. The excursion includes stops at the Public Gardens, one of North America's most beautiful Victorian gardens; the Maritime Museum of the Atlantic, to explore sea trade and its effects on Halifax; and Citadel Hill, with the many forts that have protected Halifax since its founding in 1749.

Peggy's Cove

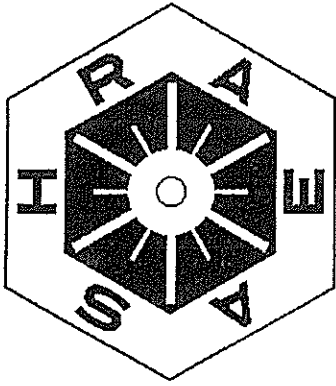
Time: 4 hours

Peggy's Cove has been an artists and explorers paradise for well over 150 years. This picture postcard village on the rugged Atlantic shoreline, stands on solid rock above the crashing surf. The lighthouse here is the most photographed in the world and the only one in North America to have a post office within it. The coastline is famous for picnics, shipwrecks, rumrunning and sunsets. At the cove, there will be plenty of time for shopping and exploring.

Historic Feast

Front Porch Swing

It's summertime again, and what better way to spend it than on the front porch? Throw in some good friends and some nosey neighbours, set it in Cape Breton, and you've got the makin's of a good old-fashioned summertime frolic. Join the Historic Feast cast as they sing traditional Nova Scotian favourites. This summertime treat comes complete with our famous four-course meal and a show that's sure to knock your socks off. Don't miss this delightful piece of Maritime humour starring the hardest working singers, actors and dancers in the Atlantic provinces.



CRC by the sea!!

August 27, 28 & 29,

1992

Halifax, Nova Scotia

ASHRAE CRC '92

Schedule of Events

Day 1 Thursday August 27, 1992

- 7:00am- 2:00pm Travel from Home Chapter
11:00am- 5:00pm Registration (Halifax Foyer)
11:00am- 2:00pm Pass in Chapter and RVC reports, MBO's and Motions to Host Chapter for assembly into Manuals - All Chapters and RVC's
- 2:00pm- 2:30pm Pre-Caucus Meeting Del., Alt., and Open to all (Halifax A)
.1 Instruction by Society Officers and DRC
.2 Purpose of Caucus
- 2:30pm- 4:00pm Caucus- Del. and Alt. (Halifax A)
2:30pm- 4:00pm RVC,DRC and Society Officers Meeting (Halifax A)
- 4:00pm- 4:10pm Coffee Break - Open to all
4:10pm- 4:30pm Plenary Session Del., Alt., Companions Open to All (Halifax A)
.1 Welcome - Members
.2 Welcome - Companion
.3 Introductions
.4 Remarks by Society Representative
- 4:30pm- 6:00pm 1st Business Session - Open to All (Halifax A)
.1 Call to order
.2 Election of Secretary
.3 Roll Call
.4 Approval of CRC '91 Minutes
.5 Business arising of Minutes
.6 Addition to Agenda
.7 Regional Chairman's Report
.8 Reports and MBO's from RCV's
.9 Report from Historian
.10 Report from Nominating
- 7:00pm- 8:00pm Welcome Party - Open to All, Harbour Tour - Cash Bar
8:00pm Dinner at Restaurant of your choice
9:30pm-11:00pm Hospitality Room - Open (Suite 292)

Day 2 Friday August 28, 1992

- 6:45am- 8:00am Breakfast - Coffee & Muffins
7:00am- 8:00am ASHRAE Research Canada Del., Alt., and Open to All (Halifax A)
7:30am- 5:00pm Registration
8:00am- 9:30am 2nd Business Session - Open to All - remarks from Society Officers and Staff- Chapter Annual Reports and MBO's (Halifax A)
9:30am- 9:45am Coffee Break
9:45am-11:30am Executive Session - Del. and Alt. (Halifax A)
9:45am-11:30am Chapter Operations Workshop - Open to All (Annapolis)
11:30am-12:00pm Cash Bar
12:00pm- 2:00pm Awards and President's Luncheon (Halifax B & C)
.1 Call to order
.2 Invocation
.3 Luncheon
.4 Introduction of Head Table
.5 Her Worship Moira Ducharme
.6 Introduction of President
.7 President's Address
.8 Recognition & Awards
.9 Announcements
- 2:00pm- 5:00pm Technical Session - Open to All (Halifax A)
.1 Fluidized Bed - TUNS
.2 CO2 and Greenhouse - TUNS
.3 Residential Heat Pumps - TUNS
.4 Grant - In - Aid - TUNS - Student
- 3:45pm- 4:00pm Coffee Break
5:00pm- 6:00pm Chapter Operations Workshop - Open to All (Halifax A)
7:00pm Regional Social Function
Historic Feast
10:00pm-11:00pm Hospitality - Open

Day 3 Saturday August 29, 1992

- 7:00am- 7:30am Continental Breakfast
7:00am- 9:00am Registration
7:30am- 9:30am First Workshops Session - Open to All
.1 Education Activities (Conference)
.2 Technical, Energy & Govt Affairs (Starboard Suite)
.3 Membership Promotion (Annapolis)
.4 Research Promotion Part 2 (Acadia A)
.5 Refrigeration (Acadia B)
.6 Historian (Port Suite)
9:30am- 9:45am Coffee Break
9:45am-11:45am Second Workshop Sessions
11:45am-12:00pm Hotel Checkout
Hotel will provide baggage storage
12:00pm- 1:00pm Lunch - Open to All (No Bar) (Halifax B & C)
.1 Call to order
.2 Invocation
.3 Luncheon
.4 Introduction of Head Table
.5 Acknowledgement of Host Chapter
.6 Invitation to next CRC
.7 Announcements
.8 Mini Reports from Workshops
1:00pm- 3:50pm Research Promotion Part 2 (Acadia A)
1:00pm- 3:50pm 3rd Business Session - Open to All (Halifax A)
.1 Resolutions/Motions from Day 1
.2 Resolutions/Motions from Workshops
.3 Action Items
.4 Reports from Workshops by RVC
.5 Regional Fund Status
.6 Future Region II CRC's
.7 Closing Comments
.8 Close of Business Session
Vacation Tour of Nova Scotia or Return to Home Chapter
- 3:30pm
- Start Preparation for CRC 1993 Quebec!**

REGION II - 35TH ANNUAL CHAPTERS'

REGIONAL CONFERENCE

AUGUST 27 - 29, 1992

HALIFAX NOVA SCOTIA

PC PRE CAUCUS SESSION

- PC.1 Dalton McIntyre gave instructions to delegates and alternates.
- PC.2 Billy Manning - Thanked all for coming. Acknowledged the experience in the Region. Noted that this being his 3rd consecutive visit and 2nd to Halifax. Charged the Delegates with providing two backups for the Vice Chairman and the DRC. Stated there were problems because delegates did not select back-ups for Vice Chairman and also that in the attempt to get qualified people it is important that these are the type of people that are selected. This is the second CRC he attended this fall and one in the spring. Said ASHRAE needs a Canadian VP. Honours and awards come up from Delegates and the Chapters. He likes to see that Halifax have the average number challenged. Looking forward to a great CRC.
- PC.3 Dick Hayter - Delighted to be in Halifax. Mentioned the importance to provide technical information to grass roots and not just to think of them as two separate societies. Noticed that so many times that Chapters forget that there are so many opportunities for their Chapter members and often forget to suggest their names. Challenged all to look at those in your Chapter. Mentioned that Neil Paterson, president elect will be actively seeking names come March. Thanked Region II for making families welcomed as much as they did.
- PC.4 Richard Wright - Glad to be back to Region II. Looking forward to the activities to come.
- PC.5 Richard Nanes - Thrilled to be in Halifax. Glad to be Dalton's guest. 2nd trip to Region II. Director of Region III, small geographically but population wise represents nearly 10% of ASHRAE members with 4300 plus members in 12 chapters and 19 Student Chapters. Baltimore being his home Chapter. CRC will be held in Philadelphia in the middle of September. Invitation to all. Comment

in French and English, thank you and good luck with your conference.

PC.6 Session was turned over to Paul Conrad and John Bissett for caucus.

P PLENARY SESSION

P.1 Paul Conrad, CRC Host Chairman welcomed everyone on behalf of the Halifax Chapter.

Joan Conrad, Halifax Chapter Hostess, welcomed the companions

Sandra Starrett, Halifax Chapter Hostess, welcomed everyone in French.

P.2 Paul Conrad introduced the head table.

P.3 Following introductions opening remarks were made by Society representatives.

1. FIRST BUSINESS SESSION

1.1 CALL TO ORDER

Dalton McIntyre, ASHRAE Director and Regional Chairman, called session to order at 4:30 P.M. Thursday, August 27, 1992, in the Halifax room of the Sheraton Hotel, Halifax, Nova Scotia, and welcomed all those present.

Paul Conrad introduced the head table as follows:

Richard Wright, Director of Technology ASHRAE
Richard Hayter, Vice President, Society
Billy Manning, Treasurer, Society
Dalton McIntyre, Director and Region II Chairman
Richard Nanes, Director and Region III Chairman
Paul Conrad, CRC Host Chairman
Gerard Doyle, CRC Host Co-Chairman
Heather Hughes, Recording Secretary

1.2 Election of Secretary

On Motion by Bob Kelly and seconded by Darryl Boyce, Bob Thibault of Halifax, was elected Secretary for the CRC.

1.3 ROLL CALL

The attendance sheet was passed and all were asked to sign it. Verbal introduction of each member was given. See Appendix A.

Mississauga Chapter was not present.

1.4 APPROVAL OF CRC 1991 MINUTES

1.4.1 REVISIONS TO MINUTES OF 1991 CRC

Correction of Region II 1991 CRC minutes:
item 1.9.6 - page 5.- Mr. Landray presented the first "Ice-Man" award for Region II.

1.5 BUSINESS ARISING FROM THE MINUTES

1.5.1 Darryl Boyce referred to motion 91-2 Chapter 037 for CRC 91 which required that Bios be supplied 60 days prior to CRC. This did not happen.

1.5.2 Motion 91-1 Chapter 015 from CRC 91 was defeated at Society.

1.6 ADDITIONS TO AGENDA ITEMS

1.6.1 PAOE Program for 1992-93

1.6.2 Travel Vouchers

1.6.3 Communications by FAX

1.6.4 CRC evaluation form

1.6.5 Alcoholic beverages at ASHRAE events

1.7 1991-92 REPORTS AND 1992-93 MBO'S

1.7.1 DALTON MCINTYRE - DIRECTOR AND REGION II CHAIRMAN

Mr. McIntyre welcomed everyone to Halifax.

Communication is still a concern. All Chapters are to provide copies of mailing list for Chapter Newsletters, Chapter Meeting minutes and Chapter Board of Governors to Dalton.

Reported that all Chapters were visited in 91-92. Seven chapter were visited by two RVC'S and four had one visit each.

Regional newsletters including three bi-lingual were issued.

Dalton noted that he and a Regional Vice Chairman visited Mississauga Chapter. They were encouraged to have four representatives at this CRC to show that they were a viable chapter.

1.7.2 JOHN BISSET - PAST RVC EDUCATIONAL ACTIVITIES

John Bisset reported an overall satisfying year. Stated the highlights include Ville de Quebec Chapter forming a Student Branch and the New Brunswick Chapter established a Scholarship Fund was set up in the amount of \$11,000.00 at University of New Brunswick and Universite de Moncton for \$7,000.00.

Showed a 3.5% increase in student membership. Toronto, Saquenay-Lac-Jean and Ville de Quebec showed a net increase of 36 students members together.

Special mention to Saguenay-Lac-St Jean Chapter of a 19% increased to a total of 81 student members.

Mr. Bisset hoped we will be able to institute an Award for "Regional Student Branch of the Year".

Expressed disappointment that of the 16 student paper entries submitted to Society only one had come from Region II.

A goal of the Committee is to "develop recommendation for faculty and student involvement at CRC'S".

Mr. Bisset found his three year term a "very satisfying experience".

THOMAS MacDONALD - RVC EDUCATIONAL ACTIVITIES

Three objectives with a six step management plan was presented.

1.7.3 DAN CASTELLAN - RVC RESEARCH PROMOTION

Mr. Castellan presented the June 1992 report from Gary Scott past RVC.

There was \$67,251 collected from a goal of \$95,540.

The Canadian Economy and participation by the Chapter RP committees were the main reasons that Region II did not reach goal.

Five suggestions were presented to increase participation by RP committees.

Mr. Castellan presented his five MBO's.

1.7.4 JOHN DUGAN - RVC MEMBERSHIP PROMOTION

As of June 30, 1992 the following is reported:

220 new members	8.1% of assigned 2724
258 delinquent	9.5% of assigned 2724
34 advancements	1.2% of assigned 2724
6013 PAOE points	51% of possible 11,856
8 of 11 chapters exceeded PAOE par	
2680 paid members representing a 2% loss	

Special thanks to Windsor, Quebec, London, and Montreal for a warm reception.

1.7.5 SIMON JOL - RVC TECHNICAL ENERGY AND GOVERNMENT AFFAIRS

Report given at second business session, as follows:

Mr Jol visited most Chapters last year, attendance was good.

Chapter programs have increased their technical content and more are using Society prepared material, especially videos.

Technology awards seem difficult to promote due to economy.

There appears to be increased Government Affairs activity.

1.7.6 JOHN POLLOCK - RVC REFRIGERATION

Reported on second half of last year.

Mr. Pollock reported a loss from the Chapter Executives and Committees of at least 4 Chapter Refrigeration Chairmen. Despite this, he is very proud of the Chapter achievement in Region II.

John was involved with 2 seminars which saw a profit of over \$4,000.00.

Commented that he works for ASHRAE and ASHRAE work for him.

Five MBO's were presented.

1.7.7 CLIFF THOMPSON - REGIONAL HISTORIAN

Workshop was held Aug 24 at CRC Windsor, with 11 attendees.

Cliff Thompson stated his attendance on May 9 Planning Meeting in Ottawa and submitted a Historical report.

Requested information, but Historians are not replying requests with the exception of Jean Luc Morin who submitted a two page report followed by a very complete history of the first five years of the Ville de Quebec Chapter.

Cliff went into detail about awards and points to receive.

Discussed the Historians job, and expressed criteria in selecting good chapter Historians. Make sure Historian has only one job.

Four MBO's were presented along with a development plan.

1.7.8 PAUL CONRAD - DELEGATE NOMINATING COMMITTEE

Verbal report was given by Paul Conrad. They had a meeting where several names were proposed for various positions. Checking on bios etc. Felt confident that goals would be met by nominating committee in the Executive session.

First Business session closed at 6:00 P.M. Aug.27. 1992.

2. SECOND BUSINESS SESSION

Second Session opened at 8:00 A.M. on Aug. 28, 1992

2.1 ADDRESSED BY SOCIETY OFFICER - RICHARD HAYTER

Dick Charles', Society President, theme is sharing resources globally. The reason being that members needs differ and can be meet by sharing resources and expertise in order to help humanity. We have many student members and we must share with them to ensure our global future.

ASHRAE helps humanity in four areas:

- Research. ASHRAE approved \$1.1 million in new project that include topics such as; 11 projects dealing with the CFC issue, guidelines for thermal storage, 10 projects on IAQ and many more topics. Region II has 8 projects totalling \$750,000. ASHRAE has committed \$2.3 million in 82 projects. The key to success is that funding is provided by volunteers and ideas from members.
- Standards. ASHRAE has 69 committees issuing standards on things such as safety guidelines, refrigerant classification, Building Automation System communication, ventilation for proper IAQ, Energy Conservation and many others.
- Publication. ASHRAE handbooks are written and reviewed by chapter volunteers and are constantly being revised. Many publication are now in video format. Shortly a PC database program providing abstracts on most ASHRAE publications for members to use.
- Continuing Education. At our major meetings it is evident that there is much technology transfer but virtually every day somewhere in the world there is ASHRAE involvement in some form of information interchange. ASHRAE sponsors conferences around the world on many topics. There were 25 PDS seminars in the past year in many locals including Region II. ASHRAE is working on converting PDS into correspondence courses. There will soon be full semester courses to help new Engineers as well as encourage advancement by all.

ASHRAE has re-organised forming the Technical Energy and Government Affairs Committee as well as the Education Council. The Board recently approved a 15 goal plan and a strategic plan of 45 objectives all to meet President Charles' theme of sharing resources globally.

2.2

ADDRESSED BY SOCIETY STAFF REPRESENTATIVE - RICHARD WRIGHT

Headquarters is in Atlanta and it's purpose is to know where expertise is and coordinate with the volunteer experts. ASHRAE has 55,000 members and 90 employees. Headquarters has been recently renovated and meets standards 90.1, 62 and 55(comfort).

Most volunteers are on technical committees and task groups which has 1200 involved. There are 600 members involved in standards. All members are urged to become involved and participate. About 2000 in total volunteer to actively participate.

One problem with standards is that because standards are applied throughout the world ASHRAE is involved with US agencies but there must be involvement with agencies in other countries to make it universal.

Conferences are held on various topics to discuss problems and solutions that have an impact on our industry, such as IAQ, productivity, CFC's and others. The outcome of these conferences are published and accessible to members.

Mr. Wright invited any member to come discuss any problem or willingness to become involved.

2.3

CHAPTER REPORTS

2.3.1

HALIFAX CHAPTER - ROBERT KELLY, DELEGATE

Mr. Kelly reported a successful year and that the chapter had been very busy getting ready for CRC '92.

Many changes in Committee Chairman and this was a year of learning. Brought in a new Education Chairman part way through due to retirement.

Program Committee worked hard but had a few problems and relied on local Chapter members. CFC's were a hot topic.

Lower average attendance possibly due to speakers and economy. The economy also showed in RP contributions.

Halifax has Society collect dues and feel it helps.

Thanked the Executive for their hard work.

2.3.2 NEW BRUNSWICK CHAPTER - BRIEN STOREY, DELEGATE

Brien Storey reported the past year being one of success but yet being difficult for the Chapter.

Able to meet objectives and achieved a 19% increase in meeting attendance at monthly meeting, although losing 2 members of the executive as a result of the recession. P.A.O.E. points dropped considerably from last year.

Expressed success with a meeting in Saint John involving members that do not normally attend.

An addition of \$11,000.00 funds resulting from M.E.E.T. '92 Trade Exhibition in April of 1992 for the local Chapter.

Brien Storey expressed a sincere thanks to all who gave their time and energy and wished all a great success for next term.

Set up scholarship in local university for ASHRAE.

2.3.3 LA VILLE DE QUEBEC CHAPTER - JEAN BUNDOCK, DELEGATE

Jean Bundock reported of success in events for this year especially that of "Computers valuable partners for ASHRAE". All around success with a high 5 goal, even with recession.

Problems as well with the Refrigeration chairman due to a resignation in the beginning of the year.

As side from success, also presented a 5 years history of the Quebec Chapter.

Jean Bundock thanked all for the good work this year.

Attendance at meetings was increased 10% over previous year.

Personal comments were added by Jean Bundock, one being the effort to communicate and report in French. Thanked colleges for doing more and putting efforts forward.

Second business session closed at 9:35 on Aug. 28, 1992.

AWARDS AND PRESIDENTS LUNCHEON

Address was given by City of Halifax Mayor Her Worship Moira Ducharme.

Billy Manning, Society Treasurer, delivered the address on behalf of Society President Richard Charles.

Technical Session

- .1 Bill MacGregor gave a presentation on Fluidized bed technology.
- .2 Benoit Casault gave a presentation on his research project which is funded by ASHRAE Grant-in-Aid.
- .3 V. Ismet Ugursal gave a presentation on residential heat pumps.

3. THIRD BUSINESS SESSION

Third business session opened at 1:35 on Aug. 29, 1992.

Chapter reports continue from second business session

2.3.4 SAGUENAY-LAC-ST-JEAN CHAPTER - PIERRE LAVOIE, DELEGATE

A good year despite some resignations.

Membership growth started the year with thirty-six (36) area assigned members and fifty (50) area student members, the chapter had a growth of four (4) members.

In Saguenay Lac-St-Jean chapter, Pierre Lavoie reported that importance was put on education and technical activities and felt a general improvement in quality.

Many activities were reported as having good participation.

2.3.5 MONTREAL CHAPTER - DANIEL ROBERT, DELEGATE

91/92 was a very successful year for the chapter especially membership. The fee structure was well received by membership as it increased 20% from 213 to 255. Average attendance went up from 65 in 90/91 to 85 this year.

In education, 6 awards were given for excellence.

Energy & Technical affairs was active this year. A one-day seminar on air quality was held in October 91.

Refrigeration committee worked with BOMA to put together a very popular seminar on CFC'S in April of 92, close to 200 people attended.

To date have collected close to \$4000 for Research Promotion which represents 50% of total goal.

2.3.6 OTTAWA VALLEY CHAPTER - NEIL ARMSTRONG, DELEGATE

Neil Armstrong mentioned the following in his outline.

Reported a generally successful year despite misunderstanding of the reporting protocol for committees.

The Chapter closed the year with a modest surplus of \$6,000.00.

Main goal is to get back to last years chapter membership.

Education committee active in promotions and co-sponsored a seminar on CFC'S.

Research Promotion presented a challenge, with a net collection of 60% of the goal.

2.3.7 TORONTO CHAPTER - BILL FINES, DELEGATE

Bill Fines reported an actual gain of 69 new members but the overall membership drop was 14%.

Increase of 20% in chapter meeting attendance which is 80 members to 96. Mentioned goal to get 30 new student members to join the various student branches during the year of 1991-1992 season.

Finances approach the coming fiscal year with a balance of \$34,203.02.

Bill Fines reported an excellent all day seminar and exhibition on Commercial Cooling Alternatives, attended by 300.

Chapter contributions to ASHRAE Research this year came to \$22,500.00.

He touched on the cost of meals at meetings, and will take back to the board to discuss further.

Comment was made by Bill of 50 new student members, starting with 103 and finished with 116 paid student members for a net gain of 13.

2.3.8 MISSISSAUGA CHAPTER

No representative was present.

2.3.9 HAMILTON CHAPTER, DARYL SOMERS, DELEGATE

Daryl Somers reported Hamilton is in it's 33rd year and continuing to be strong. Some problems were those due to the loss of Chapter Programs/Education Chairman, Membership chairman/Vice President, Newsletter Editor, and the

E.T.A. Chairmen's neglect of responsibilities.

Items such as a well developed Refrigeration Seminar, Golf tournament with 64 golfers, which produced a profit of \$420.00, first time ski trip and an increase in membership and advancements was shown to have been a success.

Stated finishing third in region II on PAOE points collected for research dollars.

Briefly touched on location being moved for better access.

2.3.10 LONDON CHAPTER - DARRYL BOYCE, DELEGATE

Darryl Boyce reported success through the work of the Board of Governors and Committee Chairmen and in an increasing interest in Chapter activities.

20th year of operation. Increased Chapter members from 47 to 53 and an increase in average meeting attendance from 37 to 40.

Established a past presidents advisory committee with co-sponsor-ship enabling them to contribute money to research.

2.3.11 WINDSOR CHAPTER - DON WINKUP, DELEGATE

Don Winkup reported the finances being sound at \$3,402.

The technical sessions were highlighted by an Ontario Hydro presentation of ASHRAE 90.1.

Discussed that Research Promotion did well with a contribution of \$3,240.00.

Don stated briefly the newsletters improvement along with a growth in membership goals of 3% achieved by Donald Rich.

No report for chapter membership dues for next year.

Touched on GST problems for all if compliance or non-compliance.

3.1 MOTIONS FROM CHAPTERS

#92-1, Halifax Chapter

Motion: Moved that chapter Assessment contribution to the CRC be paid 90 days in advance of CRC, effective September 1, 1992.

Background Information:

A) Useful as a starting fund for early preparation of CRC.

B) Removed time of contribution away from summer time.

Second: Jean Bundock - Quebec Chapter

REGIONAL MOTION

CARRIED

#92-2, Halifax Chapter

Motion: Moved that Society denote the value of the handbooks received yearly by the ASHRAE member to less than \$20.00, effective January 1, 1993. The value to be clearly shown on the cover for Canadian members.

Background Information:

Goods entering Canada are assessed a dollar value by Revenue. Canadians are subject to duty and Government Services Taxes which each ASHRAE member must pay.

Second: Darryl Boyce

MOTION WITHDRAWN

#92-1, Ottawa Valley Chapter

Motion: That membership application information, including the information provided for students, be made available in French.

Background Information:

A) The information relative to the benefits of Society memberships is a valuable tool.

MOTION WITHDRAWN

Substitute Motion: Darryl Boyce - London Chapter

That membership information be made available in French but not the actual application form.

Second: Bill Fines - Toronto Chapter

CARRIED

#92-2, Ottawa Valley Chapter

Motion: That the guidelines for the Gold Ribbon Award and Certificate be modified as follows:

The first entry to cover the founding and the first five to ten years for the Chapter. Subsequent entries to be in ten year segments until the Chapter history is up to date. The existing criteria would then apply with the five year up dates.

Background Information:

To reduce the formidable task of the longer established chapters to obtain PAOE Points.

Second: Jean Bundock - Quebec Chapter

CARRIED

#92-3, Ottawa Valley Chapter

Motion: That the Regional Chairman be permitted to authorize substitutions for attendance at CRC'S for eligibility for transportation reimbursement, without affecting the PAOE point criteria.

Background Information:

If a committee chairman cannot attend the chapter loses financial support, incurs added expenses and are penalized with loss of PAOE points.

Second: Daryl Somers - Hamilton Chapter

CARRIED

#92-4, Ottawa Valley Chapter

Motion: That the "Presidential Newsletter" addressed to "Chapter Presidents" outlining the PAOE for 93/94 include within the reporting procedure instruction and approximate dates for the chapters to report to the Region.

Background Information:

To insure Chapters report on time and their year and total reflects the true level of activity in each category.

Second: Brian Norton - Montreal Chapter

CARRIED

#92-1, Toronto Chapter

Motion: The Charter for Mississauga Chapter be withdrawn and former Toronto and Hamilton chapter boundaries be re-instated.

Background Information:

Mississauga chapter has not been able to gain support.

Second: Darryl Boyce - London Chapter

CARRIED

#92-1, Hamilton Chapter

Motion: Move by the Hamilton Chapter that society consider a change in the application fee for new members to \$50.00 US for prospective members who apply after Jan. 30th.

Background Information:

A significant number of potential new members who are interested in membership are vowing to wait until the "new" year to get the full year for their money. A reduced rate after Jan 30th would help offset this argument and the potential member would proceed while interest is keen.

Amendment: To excluded the manual.

Second: Darryl Boyce - London Chapter

DEFEATED

#92-2, Hamilton Chapter

Motion; The Hamilton Chapter moves that the ASHRAE board of Director authorize an official letter to be sent to the Carrier Corporation, Division of United Technologies informing them that their ongoing print and electronic advertising which stated "in 1902 Willis Carrier invented air conditioning" presents an opinion of a historical fact. This opinion is untrue and incomplete statement of the air conditioning industry.

Background Information:

"No individual or firm can take credit for all or any larger parts of these developments. They are the mutual outgrowth of busy intelligent minds aiming toward improvement and attempting to develop the appeal of air conditioning to Engineers, Architects, contractors and owners so that the standards of the industry are not lowered to the detriment of all concerned."

Excerpt from Heating and Ventilation Vol. 26 June 1922
Willis H. Carrier

Second: Don Winkup - Windsor Chapter

DEFEATED

#92-1, London Chapter

Motion: The ASHRAE Board of Governors, through the Technology Council, consider the transfer of Chapter Programming support from the Technical, Energy and Government Activities Committee to the Refrigeration Committee.

Background Information:

Recent reorganization of the councils and grassroots Committees has created additional work for an already overloaded Committee. Transfer of the Chapter programs support to the Refrigeration Committee will support the focus of the committee and challenge to this underutilized committee.

Second: Don Winkup - Windsor Chapter

CARRIED

#92-1, Windsor Chapter

Motion: It is moved that ASHRAE II Technical, Educational and Governmental affairs V.C. contact the appropriate federal Government office, and offer ASHRAE assistance, with their discretion, to establishing a uniform language for all of a Canada in the handling of the CFC and allied problems.

Background Information:

Municipal governments are passing by-laws that are not in the public interest.

Second: Darryl Boyce - London Chapter

REGIONAL MOTION

CARRIED

3.2 MOTIONS FROM WORKSHOPS

#92-3, Halifax Chapter

Motion: Move that residential and multi-residential buildings be added to the categories included in the Technology Awards Activities covered by PAOE.

Background Information:

Heating and cooling of residential building is becoming more complex and innovative.

Residential sector consumes a substantial portion of energy.

ASHRAE studies go towards residential applications.

Second: Brien Storey - New Brunswick Chapter

CARRIED

#92-2, Windsor Chapter

Motion: It is moved that ASHRAE Atlanta should study the development and cost to the chapters of a PC software package for use by the Chapter Secretary to facilitate the preparation of minutes for meetings by simply filling in the "Blanks".

Background Information:

Up-dating will assure better reporting to society.

Second: Darryl Boyce - London Chapter

Chairman voting

CARRIED

#92-2, Toronto

Motion: To develop a dual structure that will recognize multiple membership from employees through a reduction in society membership form all NEW members joining in chapter year in 1992-1993 while reverting such members to full membership dues in subsequently years to be determined.

Background Information:

Recognizing the downturn of membership and result in income. A potential income base for the future.

Second: Pierre Lavoie - Saguenay Lac St-Jean

DEFEATED

3.3 Action Items

No Action Items

3.4 WORKSHOP REPORT

Brief Workshop reports were given at Saturday Lunch.

Workshops were well attended with no problems. Participation by committee chairman encouraged

3.5 Regional Fund

The Regional fund handled by Treasurer of this CRC. Will transfer to the CRC 93 Treasurer by January 1993. There was discussion that the Regional Fund be used to supplement the travelling expenses of chapters to even out expenses. It was stated that the fund was introduced to assist the DRC's expenses and was to be used at his discretion.

3.6 ITEMS ADDED TO THE AGENDA

3.6.1 PAOE PROGRAM FOR 1992-93

Delegates were given copies.

3.6.2 TRAVEL

Travel vouchers to be submitted to DRC.

American Express travel plan offers reduced cost to members and families. Cost can be direct billed to ASHRAE.

3.6.3 COMMUNICATIONS BY FAX

Fax communication was discussed.

3.6.4 CRC EVALUATION FORM

Evaluation forms were handed out.

3.6.5 ALCOHOLIC BEVERAGES

Be responsible.

Use of hotel or restaurant services preferable.

3.6.6 COMMENTS

Comments came in concern with GST, customs, and bilingual languages, offered support for cost for regional Chairman. Fax machines not being on or un-cooperative.

3.7 Future CRC's

1993 La Ville de Quebec Chapter	SEPTEMBER 16-18
1994 Ottawa Valley Chapter	September 22-24
1995 Toronto Chapter	September 21-23
1996 Hamilton Chapter	September 19-21
1997 London Chapter	Undecided
1998 Saguenay-Lac-St Jean	Undecided

3.8 ADJOURNMENT

Third business session adjourned 4:05 P.M, Aug. 29, 1992.

APPENDIX

A

CRC '92 HALIFAX N.S.
Attendance
Delegates, Alternates & Region Officers

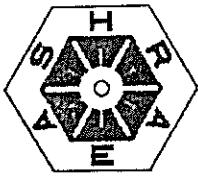
Chapter	Person	PS	CA	EX	1	2	3	C1	TS	C2	EA	TE	MP	RP	RE	HI
Halifax	D-Robert Kelly	X	X	X	X	X	X			X					X	
	A-Paul Aucoin	X	X	X	X	X	X			X	X					
N. B.	D-Brien Storey	X	X	X	X	X	X		X						X	
	A-Alyre Gallant	X	X	X	X	X	X		X							
Quebec	D-Jean Bundock	X	X	X	X	X	X			X		X		X		
	A-Denis Fortin	X	X	X	X	X	X			X						
Saquenay	D-Pierre Lavoie	X	X	X	X	X	X			X			X			
	A-Raynald Bouchard	X	X	X	X	X	X			X		X			X	
Montreal	D-Daniel Robert	X	X	X	X	X	X		X	X					X	X
	A-Roland Charneau	X	X	X	X	X	X		X	X	X				X	
Ottawa	D-Neil Armstrong	X	X	X	X	X	X		X	X					X	
	A-Ross McIntyre	X	X	X	X	X	X		X	X						X
Toronto	D-William Fines	X	X	X	X	X	X		X	X	X				X	
	A-John Hodge	X	X	X	X	X	X			X		X				
Hamilton	D-Daryl Somers	X	X	X	X	X	X		X	X		X				
	A-Wilfred Laman	X	X	X	X	X	X		X	X	X					
London	D-Darryl Boyce	X	X	X	X	X	X			X				CH		
	A-Owen Glendon	X	X	X	X	X	X			X					X	
Windsor	D-Don Winkup	X	X	X	X	X	X		X	X					X	
	A-Frank Frabotta	X	X	X	X	X	X		X	X	X	X				
Regional Officers																
DRC	Dalton McIntyre	X			X	X	X	X	X	X	X	X	X	X	X	X
EA	Tom MacDonald	X			X	X	X	X	X	X	VC					
TEGA	Simon Jol					X	X	X	X	X		VC				
Membership	John Dugan	X			X	X	X	X	X	X			VC			
Research	Dan Castellan	X			X	X	X	X	X	X				VC		
Refrigeration	John Pollock	X			X	X	X	X	X	X					VC	
Historian	Cliff Thompson	X			X	X	X	X	X	X						CH
Nominating	Paul Conrad	X	X	X	X	X	X		X		X					CH
	John Bissett	X	X	X	X	X	X				X					

PS - Plenary Session
CA - Caucus
EX - Executive Session
1 - Business Session 1
2 - Business Session 2
3 - Business Session 3
TS - Technical Session

C1 - Chapter Operations Workshop 1
C2 - Chapter Operations Workshop 2
EA - Education Activities Workshop
TE - TEGA Workshop Workshop
MP - Membership Promotion Workshop
RP - Research Promotion Workshop
RE - Refrigeration Workshop
HI - Historian Workshop

Attendance

Chapter	Attendee	PS	CA	EX	1	2	3	C1	TS	C2	EA	TE	MP	RP	RE	HI
Halifax	Gary Scott	X					X							X		
	Doug Rafuse					X										
	Scott Starrett							X	X							
	Elmer Spencer						X	X						CH		
	Denis Morris							X	X							
	Peter Boyd Brown							X							X	
	George Buckler						X									X
	Peter Melnyk												CH			
	Ismet Ugersal										CH					
	Peter Meridew											X				
	Wayne Chiasson								X							
	Terry Phelan								X							
N.B.	Claude Gallant						X	X	X	X					X	
	Gary Fahie							X	X					X		
	Derrick Palmer							X	X					CH		
	Rod Collins							X	X							X
	Paul Stockton							X	X			X				
	Bill Goobie							X	X		X					
	Steve Mailman							X	X			CH				
	Denis Sears							X	X							
	Quebec	Marc Fontaine	X				X	X	X					CH		
Pierre Guillemette								X			X					
Jean-Luc Morin		X				X		X	X	X						CH
Michel Bouchard						X	X	X	X			CH				
Yves Vezina		X				X		X	X	X				CH		
Robert Dollard						X	X	X	X						X	
Guy Perreault						X		X	X						X	
Yves Trudel								X	X							X
Christian Lessard									X		CH					
Denis Potvin							X	X							X	
Ray Courtemanche																
Saquenay	Real Gaudreault					X		X		X				CH		
Montreal	Marcel Cyr								X	X			CH			
	Laurier Nichols						X		X	X		CH				
	Brian Norton													X		
Ottawa	Marc Carriere						X			X			CH			
	Chris Frauley													CH		
	Wassin Faraj										X					
	Robin Craig						X			X		CH				
	Bob Kilpatrick						X					X				



CRC by the sea!!
August 27, 28 & 29, 1992
Halifax, Nova Scotia
Registration Form

DRESS CODE: Optional - No bathing suits, no tuxedos

- | | |
|---|---|
| <input type="checkbox"/> A/ Full Registration (DEL/ALT/MEM) | <input type="checkbox"/> B/ Full Registration (Companion) |
| 1/ Registration Fee | 1/ Registration Fee |
| 2/ Thursday p.m. Welcome Party | 2/ Thursday p.m. Welcome Party |
| 3/ Friday a.m. Breakfast | 3/ Friday a.m. Breakfast |
| 4/ Friday President's Lunch | 4/ Friday a.m. Peggy's Cove Tour |
| 5/ Technical Session | 5/ Friday p.m. Historic Feast Show |
| 6/ Friday p.m. Historic Feast Show | 6/ Saturday a.m. Breakfast |
| 7/ Saturday a.m. Breakfast | 7/ Saturday a.m. Halifax Historic Tour |
| 8/ Saturday p.m. Lunch | 8/ Hospitality |
| 9/ Hospitality | 9/ Coffee Breaks |
| 10/ Coffee Breaks | |
| TOTAL PACKAGE \$ 170.00 | TOTAL PACKAGE \$ 125.00 |

Partial Registration

- | | |
|---|----------------|
| <input type="checkbox"/> C/ Registration Fee | \$ 10.00 |
| <input type="checkbox"/> D/ Thursday p.m. Welcome Party | \$ 15.00 |
| <input type="checkbox"/> E/ Friday a.m. Breakfast | \$ 10.00 |
| <input type="checkbox"/> F/ Friday p.m. President's Lunch | \$ 35.00 |
| <input type="checkbox"/> G/ Friday p.m. Technical Sessions | \$ 10.00 |
| <input type="checkbox"/> H/ Friday p.m. Historic Feast Show | \$ 60.00 |
| <input type="checkbox"/> I/ Saturday a.m. Breakfast | \$ 10.00 |
| <input type="checkbox"/> J/ Saturday p.m. Lunch | \$ 25.00 |
| <input type="checkbox"/> K/ Peggy's Cove Tour (Friday a.m.) | \$ 20.00 |
| <input type="checkbox"/> L/ Halifax Historic Tour (Saturday a.m.) | \$ 20.00 |

Total amount of check \$ _____

NAME: _____
 CHAPTER: _____
 POSITION: _____
 ADDRESS: _____
 COMPANY: _____
 PHONE/FAX: _____
 COMPANION: _____

If ground transportation is required from the airport, please indicate the following:

Carrier _____ Flight No. _____ ETA _____

Hotel and travel reservations are your responsibility. For Hotel reservations see attached form or contact your travel agent.

Travel policy: In some cases air fares can be substantially reduced if the member stays over one Saturday night at one of their destination points. If this is the case and if the total cost of the reduced fare plus one nights lodging, meals and ground transportation is less than the lowest cost air fare available without a one-night stay over, then ASHRAE will reimburse the member for the low-cost air fare plus lodging, meals and ground transportation for the extra night.

Please return completed registration form and your check before July 15, 1992.

TO: ASHRAE Halifax Chapter
 P.O. Box 8986
 Station A
 Halifax, Nova Scotia
 B3K 5M6
 ATT: Doug Rafuse

PHONE:(902) 421-6416 FAX:(902) 421-2938

CRC '92 HALIFAX
REVENUES VS EXPENDITURES

<u>REVENUE</u>	<u>BUDGET</u>	<u>ACTUAL</u>
1. CHAPTER ASSESSMENTS @ \$5.00/M	5850.00	5640.00
2. SOCIETY CONTRIBUTION \$1500 U.S.	1776.00	1776.00
3. FULL REGISTRATION @ \$170/M	5950.00	17297.00
PRESIDENT'S LUNCHEON @ \$20	700.00	
HISTORIC FEAST SHOW @ \$60	1200.00	
SATURDAY LUNCH		
COMPANIONS @ \$125	2500.00	
CHAPTER REG. MEMBER @ \$155	2325.00	
CHAPTER REG. COMPANIONS @ \$65	650.00	
4. CORPORATE DONATIONS	0.00	2500.00
5. BANK INTEREST	<u>0.00</u>	<u>135.98</u>
 TOTAL	 20951.00	 27348.78
 <u>EXPENSES</u>		
1. HOTEL MEETING ROOMS	3001.00	7771.27
BREAKFAST FRI. AND SAT.	1050.00	
PRESIDENT'S LUNCHEON	2100.00	
LUNCH SATURDAY	1260.00	
COFFE BREAKS	735.00	
2. HOTEL ROOM DRC	506.00	459.03
3. EQUIPMENT RENTAL	1300.00	2675.32
4. HARBOUR TOUR (WEDNESDAY PM)	0.00	200.00
5. BOAT TOUR (THURSDAY)	750.00	756.40
6. COMPANION TOURS	596.00	1140.63
7. HISTORIC FEAST FRIDAY	5000.00	6550.00
8. HOSPITALITY SUPPLIES	500.00	168.85
9. RECORDING SECRETARY	600.00	210.00
10. MISC. POSTAGE, PHOTOCOPYING ETC.	1800.00	277.14
11. REG. MATERIAL, GIFTS	1600.00	589.39
12. COMMITTEE MEETING EXPENSES	103.00	335.29
13. TRANSPORTATION/PARKING	<u>0.00</u>	<u>325.49</u>
 TOTAL	 20951.00	 21458.81
 GROSS SURPLUS		 5890.17
 CONTRIBUTION TO REGIONAL FUND		 2945.09
 NET SURPLUS		 2945.08

PER: ELMER SPENCER CRC '92 TREASURER

Prepared by D. J. [Signature]



BUDGET-CRC-92 HALIFAX

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

Halifax Chapter, P.O. Box 8986, Station A, Halifax, Nova Scotia B3K 5M6

BUDGET - CRC-92 HALIFAX

REVENUES

Table with 2 columns: Description and Amount. Includes items like CHAPTER ASSESSMENT, SOCIETY CONTRIBUTION, and REGISTRATION fees, totaling 22,750.00.

EXPENSES

Table with 2 columns: Description and Amount. Includes items like HOTEL SPACE, HARBOUR TOUR, BREAKFASTS, LUNCHES, and MISC., totaling 22,750.00.

REGISTRATION PACKAGE

Table with 2 columns: Description and Amount. Lists various registration packages and partial fees, such as MEMBER/ALT., COMPANION, and HARBOUR TOUR.