

1995

Toronto



**A.S.H.R.A.E.
REGION II**

**AMERICAN SOCIETY
OF
HEATING
REFRIGERATING
AND
AIR CONDITIONING
ENGINEERS**

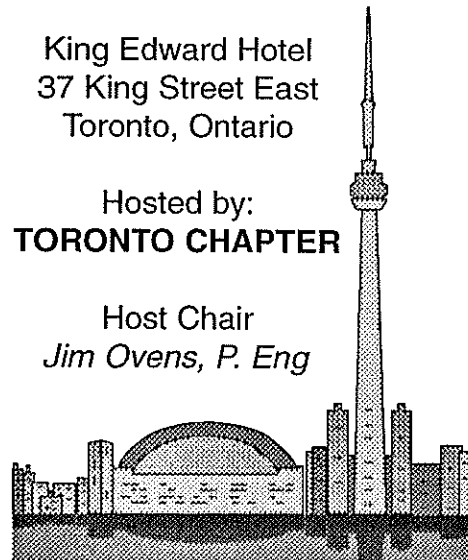
**38TH ANNUAL
CRC**

August 10, 11, 12, 1995

King Edward Hotel
37 King Street East
Toronto, Ontario

Hosted by:
TORONTO CHAPTER

Host Chair
Jim Ovens, P. Eng



FINAL EDITION

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

**SOCIETY REPRESENTATIVES
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Manager Member
Services

Ann Spengler
Director of Education

REGION II OFFICERS/EXÉCUTIF DE LA REGION II

Regional Chair/Directeur Régional John T. Dugan
Assistant Region Chair/Dir. Adj. Régional Tom McDonald
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Dir. Adjoint Recruitment Norman W. Johnson
Vice-Chair Research Promotion/
Dir. Adjoint de Recherche Jean Bundock
Vice-Chair Education/
Dir. Adjoint Education Harinder Singh
Vice-Chair T.E.G.A./
Dir. Adjoint Energie Aff. Tech Laurier Nichols
Vice-Chair Refrigeration/
Dir. Adjoint Réfrigération Duncan G. Varey
Regional Historian/
Historien Régional Clifford L. Thompson
Regional Program Chair
Dir. Régional de Programme Raynauld Courtemanche
Nominating Committee Member/
Membre Comité Nomination Darryl K. Boyce
Nominating Committee Alternate/
Substitut Comité Nomination Danny A. Castellan

**TORONTO CHAPTER EXECUTIVE
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President/Président Ami Thorarinson
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Secretary/Secrétaire Rich Manuel
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Past President/Président Ancien Doug Taylor

**CRC '95 DELEGATES AND ALTERNATES
DELEGUE ET SUBSTITUT**

CHAPTER CHAPITRE	DELEGATE DÉLÉGUÉ	ALTERNATE SUBSTITUT
Halifax	Terry Phalen	Peter Healy
NB / PEI	Paul E. Stockton	Steve Tweedie
Quebec	Pierre Guillemette	Marc Fontaine
Montreal	Yves Seguin	Bernard Viau
Ottawa Valley	David Eastwood	Gemma Kerr
Toronto	Ami Thorarinson	Jim Baxter
Hamilton	Chris Van Gerwen	Darryl Singleton
London	Kirk Flowers	Grant Hillard
Windsor	Frank Frabotta	James Smith

**CRC '95
CONFERENCE COMMITTEE
COMITE DU CONGRES**

CRC Chair/
Président Jim Ovens
Regional Chair
Directeur Général John T. Dugan
Technical Programme John Cowan
Social Programme/
Activités Sociales des Compagnes Mike McCartney
Publicity/
Publicité Jason Henderson
Banquets/Meals/Hotel
Banquets/Répas/Hôtel Jim Baxter
Hospitality/
Hospitalité Eric Pay
Registration/
Régistration David Underwood
Printing/Mailing Tom Kilmer
Fundraising/Financement Jason Henderson
Secretary/Secrétaire Mike Loughry
Treasurer/Trésoirier Roger Touw

**HEADQUARTERS HOTEL
HOTEL D'EDIFICE PRINCIPALE
THE KING EDWARD**

37 King Street East
Toronto, Ontario M5C 1E9
Tel: (416) 863-9700 Fax: (416) 367-5515

THURSDAY, AUGUST 10, 1995

10:00 - 18:00 Registration - Vanity Foyer
 13:00 - 17:00 Technical Sessions
 13:00 - 13:30 Skydome Pre-Tour - Kensington
 Buses to site
 13:30 - 14:00 U. of T. Cogeneration Pre-Tour - Kensington
 Buses to site
 18:30 - 19:30 Welcome/Reception (Wine & Cheese)
 Hosted by Toronto Chapter - Mayfair/Garden Court

JEUDI, 10 AOÛT, 1995

10:00 - 18:00 Enregistrement - Vanity Foyer
 13:00 - 17:00 Séances Techniques
 13:00 - 13:30 Prétour Skydome - Kensington
 Autobus à la destination
 13:30 - 14:00 Prétour, U. of T. Installation Cogen - Kensington
 Autobus à la destination
 18:30 - 19:30 Réception d'Accueil (Vin & Fromage)
 Votre hôte pour la réception est la Branche de Toronto - Mayfair/Garden Court

HOSPITALITY ROOM**HAMSTEAD****HOURS**

THURSDAY 10:00 - 18:00
 21:00 - 24:00
 FRIDAY 10:00 - 17:30
 20:30 - 24:00
 SATURDAY 08:00 - 12:00
 14:00 - 17:00

FRIDAY, AUGUST 11, 1995

06:45 - 07:30 ASHRAE Research Canada - Chelsea
 07:00 - 08:30 Continental Breakfast - Vanity Foyer
 07:30 - 12:00 Registration - Vanity Foyer
 07:45 - 09:30 Caucus Meeting - Kensington (Restricted)
 08:00 - 09:30 Regional Officers, Society Representatives Meeting
 09:30 - 09:45 Health Break
 09:45 - 11:45 First Business Meeting - Vanity A
 Manuals at Delegate Seats
 1. Call to order, election of secretary and roll call.
 2. Approval of CRC '94 minutes, and business arising from them.
 3. Additions or modifications to the agenda.
 4. Reports from: a. DRC
 b. RVC Student Activities
 c. RVC Research Promotion
 d. RVC Refrigeration
 e. RVC Membership
 f. RVC TEGA
 g. RVC Program
 h. Regional Historian
 i. Nominating Committee
 12:00 - 13:15 Business lunch with Presentation by ASHRAE
 V.P. Vanity B
 13:15 - 14:00 Chapter Operations Workshop Part One - Vanity A
 14:00 - 14:15 Health Break
 14:15 - 16:15 Chapter Operations Workshop continues - Vanity A
 14:15 - 16:15 Research Promotion Workshop - Chelsea
 18:00 - 19:00 Cocktails - Windsor - Cash Bar
 19:00 - 20:30 President's Dinner - Windsor

VENDREDI, 11 AOÛT

06:45 - 07:30 Recherche Canada ASHRAE - Chelsea
 07:00 - 08:30 Petit déjeuner à la française - Vanity Foyer
 07:30 - 12:00 Enregistrement - Vanity Foyer
 07:45 - 09:30 D'affaires du Comité (limité)
 08:00 - 09:30 Assemblée des fonctionnaires régionaux et des délégués du Comité
 09:30 - 09:45 Repas de santé
 09:45 - 11:45 Première réunion d'affaires - Vanity A
 Manuels aux sièges des délégués
 1. Convocation, élection du secrétaire et l'appel.
 2. L'approbation ou modifications des minutes de CRC '94 et les affaires qui s'émanent.
 3. Additions ou modifications de l'ordre du jour.
 4. Rapport de: a. DRC
 b. RVC Activité Educationale
 c. RVC Promotion de Recherche
 d. RVC Réfrigération
 e. RVC Adhésion
 f. RVC TEGA
 g. Historien Régional
 h. Comité Présentatif
 12:00 - 13:15 Déjeuner d'affaires avec une présentation par le personnel d'ASHRAE
 13:15 - 14:00 Séance des opérations d'une Branche Episode - Vanity A
 14:00 - 14:15 Repos de santé
 14:15 - 16:15 Séance des opérations continue - Vanity A
 14:15 - 16:15 Séance de promotion de recherche - Chelsea
 18:00 - 19:00 Cocktails - Windsor
 19:00 - 20:30 Dîner du Président Windsor

SATURDAY, AUGUST 12, 1995

06:30 - 07:30 Continental Breakfast - Vanity Foyer
 07:00 - 09:30 Registration - Vanity Foyer
 07:00 - 11:30 Executive Session - Park Lane (Restricted)
 07:45 - 09:30 Committee Workshops
 1. TEGA - Knightsbridge "A"
 2. Student Activities - Belgravia
 3. Membership - Hyde Park
 4. Research - Chelsea
 5. Historical - Westminster
 6. Refrigeration - Kensington
 7. Program - Knightsbridge "B"
 Health Break
 09:30 - 09:45 Committee Workshops Continue
 09:45 - 11:45 Hotel Checkout - Baggage Storage Available
 11:45 - 12:00 Awards Luncheon - Windsor A/B
 Awards
 Acknowledgement of Host Chapter
 Invitation to CRC '96 London
 Announcements
 14:00 - 17:00 Second Business Meeting - Vanity A
 1. Motions and resolutions by delegates.
 2. Action items.
 3. Workshop reports.
 4. Regional fund.
 5. Future CRC's.
 6. Closing comments by all officials.
 7. Closing of business sessions.

PROGRAMS IS
 VANITY A/B

COMPANION TOURS / EVENTS**Thursday August 10, 1995**

13:00 - Meet in Kensington for tour of Skydome and CN Tower with it's new Enviro Deck. Or meet in the Hospitality suite and plan events for the conference with friends. Think of planning to attend a play or other event while in Toronto.

Friday August 11, 1995

10:00 - Meet in Hamstead Room to go on the cruise around Toronto Harbour and see the beautiful Toronto Skyline while enjoying lunch aboard the cruise boat.

Saturday August 12, 1995

A great time to enjoy shopping in the downtown Toronto area. shops and the Eaton Centre are within easy walking distance to the King Edward Hotel.

SAMEDI, 12 AOÛT

06:30 - 07:30 Petit déjeuner à la française - Vanity Foyer
 07:00 - 09:30 Enregistrement - Vanity Foyer
 07:00 - 11:30 Séance exécutive Park Lane (Limité)
 07:45 - 09:30 Séances des Comités
 1. TEGA - Knightsbridge "A"
 2. Education - Belgravia
 3. Adhésion - Hyde Park
 4. Recherche - Chelsea
 5. Historien - Westminster
 6. Réfrigération - Kensington
 7. Programme - Knightsbridge "B"
 09:30 - 09:45 Repas de santé
 09:45 - 11:45 Séances des Comités continuent
 11:45 - 12:00 Heure limite d'occupation - Entreposage des baggages disponible
 12:00 - 14:00 Déjeuner des prix Windsor A/B
 Prix
 Reconnaissance de la Branche d'accueil
 Invitation à CRC '96 London
 Annonces
 14:00 - 17:00 Deuxième réunion d'affaires - Vanity A
 1. Motions et résolutions des délégués.
 2. Points d'action.
 3. Workshop
 4. Fonds régional.
 5. CRC à l'avenir
 6. Observations finales par tous les fonctionnaires.
 7. Clôture des séances d'affaires.

TOURS / ÉVÉNEMENTS POUR LES COMPAGNONS**Jeudi, 10 Août, 1995**

13:00 - Kensington prenez le tour du Skydome et le Tour CN avec son nouveau attrait: Envirodek. Ou recontrez au suite d'hospitalité projetez les événements de la conférence avec vos camarades. Proposez attendre le théâtre ou une autre événement pendant votre visite à Toronto.

Vendredi, 11 Août, 1995

Prenez la croisière du Port de Toronto, voyant le bel profil de l'horizon de Toronto pendant que vous mangez votre déjeuner.

Samedi, 12 Août, 1995

Un bon temps pour courir les magasins de centre-ville à Toronto. On peut aisement s'y rendre à pied de l'Hôtel King Edward à tous les magasins et la Centre Eaton.

J. DUGAN

Toronto

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

REGION II CRC, 11 AUGUST 1995

MINUTES OF FIRST BUSINESS MEETING

The meeting was called to order at 9:45 a.m. by Director and Regional Chairman (DRC) John Dugan. He welcomed everyone to the conference and made some program announcements.

It was moved by Frank Frabotta, Windsor that Mike Loughry be accepted as CRC Recording Secretary. This was seconded by Arni Thorarinson, Toronto and carried unanimously.

The recording secretary asked Delegates and Alternates to identify themselves. Present were:

CHAPTER	DELEGATE	ALTERNATE
HALIFAX	TERRY PHALEN	PETER HEALY
NB/PEI	PAUL E. STOCKTON	STEVE TWEEDIE
QUEBEC	PIERRE GUILLEMETTE	MARC FONTAINE
MONTREAL	YVES SEGUIN	BERNARD VIAU
OTTAWA VALLEY	DAVID EASTWOOD	GEMMA KERR
TORONTO	ARNI THORARINSON	JIM BAXTER
HAMILTON	CHRIS VAN GERWEN	DARRYL SINGLETON
LONDON	KIRK FLOWERS	GRANT HILLARD
WINDSOR	FRANK FRABOTTA	JAMES SMITH

The following society representatives and Region II officers were also present:

TREASURER	DONALD E. HOLTE
VICE PRESIDENT	HARLEY W. GOODMAN
DIRECTOR AT LARGE	JOHN BISSET
SOCIETY STAFF DIRECTOR OF EDUCATION	ANN SPENGLER
REGIONAL CHAIR	JOHN T. DUGAN
ASSISTANT REGIONAL CHAIR	TOM MCDONALD
VICE-CHAIR MEMBERSHIP	NORMAN W. JOHNSON
VICE-CHAIR RESEARCH PROMOTION	JEAN BUNDOCK
VICE-CHAIR T.E.G.A.	LAURIER NICHOLS
VICE-CHAIR REFRIGERATION	DUNCAN VAREY
REGIONAL HISTORIAN	CLIFFORD L. THOMPSON
NOMINATING COMMITTEE MEMBER	DARRYL BOYCE
NOMINATING COMMITTEE ALTERNATE	DANNY A. CASTELLAN

Representing Region X were:

Sukhdev Mathaudhu - Tri County Chapter Region X Chair.
Dean Borges - Nevada Chapter and Region X Program Chair.

Other attendees at the meeting included:

NAME	CHAPTER
ROLAND CHARNEUX	MONTREAL
MICHEL BERNIER	MONTREAL
ROBERT DOLLARD	LA VILLE DE QUEBEC
HERB SAGE	TORONTO
TOM ANDERSON	SOCIETY RESEARCH
JEAN LUC MORIN	QUEBEC
REAL AUDET	QUEBEC
MICHEL BOUCHARD	QUEBEC
PHILIP MAYFIELD	OTTAWA
JOEL PRIMEAU	OTTAWA
YVAN ROBITAILLE	QUEBEC
DENIS POTVIN	QUEBEC
VLADAN VELJOVIC	TORONTO
DAVID RAMUSSEN	HAMILTON
GUY PERREAUGT	QUEBEC
MICHEL ROBERT	MONTREAL
JIM OVENS	TORONTO REGIONAL CHAIR
MIKE LOUGHRY	TORONTO CRC SECRETARY

- 1.0 Total attendance at the meeting including Society representatives Region II officers and visitors was 55.
- 2.0 John Dugan reviewed the agenda and offered to accept additions and/or deletions. None were offered and the agenda was accepted as presented.
- 3.0 The approval of the 1994 CRC minutes was discussed. Montreal noted the following correction: at the second business meeting on August 13, 1994 the Education Workshop report was by Michel Bernier not Michel Vernier. Ottawa moved and Toronto seconded that the 1994 CRC minutes be approved as amended. Unanimously passed.
- 3.1 The corrected version of the 1993 CRC minutes have been previously approved and circulated.

4.0 DRC John Dugan reported as follows and as recorded in section 3 of the CRC binders:

- Region II assigned members as of July 1, 1994 : 2,582
- Region II assigned members as of July 1, 1995 : 2,517
- representing a decrease of 2%.
- This does not parallel society membership which was July 1, 1994 : 42,145
- and July 1, 1995 : 42,636
- Society is membership directed.
- A one day training session for president elect was proposed.
- Female members are to be encouraged to become chapter officers.
- The measurable objectives include the very high 5 : society, chapter and student members, monthly attendance and research dollars per assigned member.
- Actions are to flow from the 95 membership survey.

5.0 Halifax touched on the events of the past year and highlighted the objectives for the coming year as noted below. Section 12 in the CRC binder, summarizes the past year's proceedings.

- PAOE points increased due to better reporting.
- A student chapter is planned for TUNS.
- It is hoped fewer off-site programs will result in higher attendance.

6.0 New Brunswick/PEI touch on the events of the past year and highlighted the objectives for the coming year as noted below. Section 13 in the CRC binder, summarizes the past year's proceedings.

- A re-organization resulted in a revised structure which is intended to be in place for years to come.
- The student branch is active with 27 members.
- It is hoped that membership has bottomed with the economy.

7.0 Quebec touched on the events of the past year and highlighted the objectives for the coming year as noted below. Section 14 in the CRC binder, summarizes the past year's proceedings.

- Improved technical sessions are intended for the coming year; previous sessions were aimed at students.
- A permanent phone/fax number has been arranged allowing it to be forwarded to various locations to suite the secretary.
- A special celebration is planned for 1996 to commemorate the Chapter's 40th year.

8.0 Montreal touched on the events of the past year and highlighted the objectives for the coming year as noted below. Section 15 in the CRC binder, summarizes the past year's proceedings.

- Of the 300 plus members almost 1/3 were new.
- Research promotion efforts were exceptional this year.
- The speaker at the dinner meetings makes his presentation before the main course - to prevent the premature exit of attendees.

9.0 Ottawa touched on the events of the past year and highlighted the objectives for the coming year as noted below. Section 16 in the CRC binder, summarizes the past year's proceedings.

- The student branch was successful including a \$2,000 scholarship winner.
- A "no-tie" event is planned to encourage an informal atmosphere.
- A Kingston area meeting is to be arranged to promote the relationship with Queen's University and members in this area.
- It was found that the program committee functioned best when it organized/delegated the other committees to set-up the meetings.

- 10.0 Toronto touched on the events of the past year and highlighted the objectives for the coming year as noted below. Section 17 in the CRC binder, summarizes the past year's proceedings.
- Board and Chairpersons responsibilities are being re-organized to more efficiently utilize resources.
 - A dialogue with the Illinois Chapter was initiated in an effort to share experiences, procedures and other relevant information; the Illinois Chapter parallels the Toronto Chapter in size, membership and meeting attendance.
- 11.0 Hamilton touched on the events of the past year and highlighted the objectives for the coming year as noted below. Section 18 in the CRC binder, summarizes the past year's proceedings.
- It was concluded that a timely newsletter resulted in improved meeting attendance.
 - A more vigilant telephone committee and greater chair consistency will improve Chapter operations over the coming year.
- 12.0 London touched on the events of the past year and highlighted the objectives for the coming year as noted below. Section 19 in the CRC binder, summarizes the past year's proceedings.
- The Chapter intends to continue with local dues collection; 47% of assigned members are chapter members and 70% of the chapter members attend meetings.
 - Chapter membership includes many new members but there appears to be some difficulty in retaining existing members.
 - Significant improvement was noted in PAOE points and in particular Research Promotion.
 - The London Chapter looks forward to hosting the 1996 CRC.
- 13.0 Windsor touched on the events of the past year and highlighted the objectives for the coming year as noted below. Section 20 in the CRC binder, summarizes the past year's proceedings.
- A successful joint meeting with the St. Clair Region Society of Architects was one of the year's highlights.
 - With the addition of the student branch at the University of Windsor, there are now two student branches, the other being St. Clair College.
 - The newsletter is to be improved.
 - Assigned members total 62 with 55 chapter member and average meeting attendance of 58%.
- 14.0 Historian Cliff Thompson summarized his report, which appears in section 10 in the CRC binder, as follows:
- All chapters reached minimum PAOE points with six (6) exceeding par.
 - London and Montreal have earned Gold Ribbons for chapter history.
- 15.0 Student Activities Past RVC Tom McDonald summarized his report, which appears as section 4 in the CRC binder, as follows:
- Two (2) new student branches were formed.
 - Windsor submitted the only Region II entry for the ASHRAE Paper/Project Competition which won 2nd prize.
 - ASHRAE has instituted a new Under-Graduate Senior Project Grant Program.
- 16.0 Membership Promotion RVC Norm Johnson summarized his report, which appears as section 6 in the CRC binder, as follows:
- New members 125, new student members 382, paid members 3111 down 2.5% from 32110 in 1994.

17.0 TEGA RVC Laurier Nicholls summarized his report, which appears as section 5 in the CRC binder, as follows:

- ASHRAE's social responsibility is to be emphasized by promoting energy efficient designs through Technology Awards and Government Affairs Awards.
- A winner at the society level in the Institutional Building Category was submitted from Region II by Mr. N. Haitas.
- Three (3) entries were received for the 1994-1995 year.

18.0 Refrigeration RVC Duncan Varey summarized his report as follows:

- Toronto, Windsor, Hamilton and London reached the minimum PAOE points level and Hamilton, London, Montreal, Ottawa and Quebec reached par.

19.0 Research Promotion RVC Jean Bundock summarized his report as follows:

- All chapters reached their goals for the first time every.
- The number of contributors decreased so the goal for this year is to increase this number.
- Dan Castellan outlined the Full Circle Award which will be a commemorative coin awarded to the chapters with all officers making the honour roll.

20.0 Nominating Committee Member Darryl Boyce reported as follows:

- Other individuals suitable for Region positions should be identified to the Committee.

The meeting was adjourned at 11:55 a.m..

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

REGION II CRC, 12 AUGUST 1995

MINUTES OF SECOND BUSINESS MEETING

The meeting was called to order at 2:05 p.m. by Director and Regional Chairman (DRC) John Dugan.

CHAPTER	DELEGATE	ALTERNATE
HALIFAX	TERRY PHALEN	PETER HEALY
NB/PEI	PAUL E. STOCKTON	STEVE TWEEDIE
QUEBEC	PIERRE GUILLEMETTE	MARC FONTAINE
MONTREAL	YVES SEGUIN	BERNARD VIAU
OTTAWA VALLEY	DAVID EASTWOOD	GEMMA KERR
TORONTO	ARNI THORARINSON	JIM BAXTER
HAMILTON	CHRIS VAN GERWEN	DARRYL SINGLETON
LONDON	KIRK FLOWERS	GRANT HILLARD
WINDSOR	FRANK FRABOTTA	JAMES SMITH

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REGIONAL CHAIR	JOHN T. DUGAN
ASSISTANT REGIONAL CHAIR	TOM MCDONALD
VICE-CHAIR MEMBERSHIP	NORMAN W. JOHNSON
VICE-CHAIR RESEARCH PROMOTION	JEAN BUNDOCK
VICE-CHAIR T.E.G.A.	LAURIER NICHOLS
VICE-CHAIR REFRIGERATION	DUNCAN VAREY
REGIONAL HISTORIAN	CLIFFORD L. THOMPSON
NOMINATING COMMITTEE MEMBER	DARRYL BOYCE
NOMINATING COMMITTEE ALTERNATE	DANNY A. CASTELLAN

Representing Region X were:

Sukhdev Mathaudhu - Tri County Chapter Region X Chair.
Dean Borges - Nevada Chapter and Region X Program Chair.

Other attendees at the meeting included:

NAME	CHAPTER
ROLAND CHARNEUX	MONTREAL
MICHEL BERNIER	MONTREAL
MICHEL ROBERT	MONTREAL
NESS LAKDAWALA	MONTREAL
DENIS DE OLIVEIRA	MONTREAL
DARRYL SOMERS	LONDON
DALTON MCINTYRE	OTTAWA
ART REBEK	HAMILTON
PAUL BAKER	OTTAWA
BILL FINES	TORONTO
JIM OVENS	TORONTO CRC CHAIR
MIKE LOUGHRY	TORONTO CRC SECRETARY

- 1.0 Total attendance at the meeting including Society representatives Region II officers and visitors was 55.
- 2.0 Reports from the Committee workshops conducted in the morning are as noted hereafter.
- 2.1 Membership - Darryl Somers reported:
 - Game plan is for no one person committees, follow-up on delinquencies; attract new members and ensure proper treatment.
 - RVC Norm Johnson intends to visit all chapters.
- 2.2 Refrigeration - Ness Lakdawala reported:
 - The purpose/reason for refrigeration within ASHRAE was questioned and reviewed.
 - Other questions included why chairs report each month, who reports PAOE to RVC, and the function of the RVC.
 - It was agreed the RVC should listen to the Chapter and encourage inter-chapter meetings.
- 2.3 Research - Pierre de Gagné reported:
 - Credit card donations to be corrected to eliminate U.S. Dollar conversion.
 - It was noted that 80% of the research papers are channelled through to the handbooks.

2.4 TEGA - Art Rebek reported:

- Procedural matters related to TEGA were reviewed including the manual, duties and PAOE format.
- Technical resources available to ASHRAE members include handbooks and videos.

2.5 Historical - Paul Baker reported:

- The training of CRC delegates by the historian was suggested owing to the experience in these matters usually present in the historian.
- Photos of CRC delegates and alternates should be archived.
- Guidelines for what to archive, especially related to videos, are required.
- It was suggested honours/awards be achieved at the Regional level.

2.6 Program - Dean Borges reported:

- A society slide presentation was viewed.
- Ann Spengler described continuing education courses and licensing agreements.

2.7 Student Activities - Michel Bernier reported:

- The change from 'Educational' to 'Student' was noted.
- The K12 program was discussed.
- Awards for student projects are to be restricted to HVAC systems.
- \$100,000 is to be available for under-graduates with a maximum of \$5,000 per award.

2.8 Nominating - Arni Thorarinson reported:

- Darryl Boyce is returned as Nominating Committee member and Dan Castellan as Alternate.

3.0 Motions by delegates were addressed as noted hereafter.

3.1 Halifax tabled one motion as follows:

1. Society to send technical articles directly to newsletter editor. This was seconded by Ottawa.

The motion failed 1-8-0 (votes for - against - abstained).

3.2 New Brunswick/PEI tabled two motions as follows:

1. That the Region II CRC be held within the months of August or September, excluding Labour Day weekend, at the discretion of the host chapter. This was seconded by Halifax.

The motion passed 6-3-0

2. CRC 98 in New Brunswick be scheduled for September 10, 11, 12, 1998. This was seconded by Halifax.

The motion passed 6-1-2.

3.3 Montreal tabled two motions as follows:

1. That ASHRAE Headquarter find a means to improve the time required to change mailing address and related information of any member. This was seconded by Quebec.

The motion passed 9-0-0.

2. That ASHRAE Research Canada apply for an Account Number with major credit card company so that research contributions could be paid in Canadian Dollars by credit card.

The action for this motion is requested of ASHRAE Research Canada. The motion was seconded by Ottawa and passed 9-0-0/

3.4 Ottawa tabled four motions as follows:

1. That the due date for renewal of memberships be the anniversary date of acceptance by the Society.

Don Holte pointed out that as of July, 1996 new members will be treated in this manner.

The motion was subsequently withdrawn.

2. That after four years, the Society member be given the choice of an updated handbook, or some other ASHRAE publication of equal or lesser value. This was seconded by London. Bill Goodman noted reprint costs have precluded this in the past. Montreal questioned whether the use of outdated handbooks would result.

The motion passed 8-1 Montreal - 0.

3. That delegates and alternates be photographed at each region II CRC.

The motion was seconded by Quebec and passed 9-0-0.

4. That Region II CRC activities not start prior to 8:00 a.m..

Following discussions regarding the difficulties of scheduling the CRC, the motion was withdrawn.

3.5 Toronto tabled two motions as follows:

1. That Region II establish a working committee to determine the efficiency and effectiveness of the PAOE system and to report its findings and recommendations to Region II Chapters and ASHRAE Society. This information should be presented at CRC '96.

This was seconded by Hamilton. An amendment was tabled by Ottawa to change "Region II" to Society and seconded by Toronto. The amendment passed 9-0-0. The motion passed 9-0-0.

2. That the final document of PAOE is made available for distribution prior to June 15th of the current year.

Following discussions clarifying that the requested document was the guideline outlining the awarding of PAOE points, the motion was withdrawn. John Dugan agreed to pursue this matter.

3.6 London tabled two motions as follows:

1. That the dress code for Region II CRC be relaxed business.

This was seconded by Windsor and passed 8-0-1.

2. Move that Section 4.1 on the CRC Manual, the requirement for a minimum of 3 hours technical sessions, be at the discretion of the Region.

This was seconded by Ottawa and passed 8-0-1 Montreal.

3.7 Windsor tabled two motions as follows:

1. That this CRC recommend that PAOE points be made available to chapters whose non-faculty members develop HVAC & R related course material for under-graduate students in a College or University program. This should be part of the Student Activities PAOE points system.

This was seconded by Montreal and passed 8-1-0.

2. That future chapter information questionnaire forms also request the member's E-Mail address.

This was seconded by Ottawa and passed 9-0-0.

4.0 OLD BUSINESS:

1. Corrected 1993 CRC minutes were previously distributed by mail and accepted.
2. Saguenay-Lac St. Jean Chapter has been dissolved.

5.0 NEW BUSINESS:

1. PAOE Program for 1995/1996 is to be available shortly.
2. Future CRC dates and locations are identified under Section 24 in the CRC binder. The 1998 CRC in Moncton New Brunswick is scheduled for September 10 - 12, 1998.
3. The next CRC is scheduled for August 15 - 17, 1996 in London, Ontario. The anticipated cost is \$150 per attendee and \$110 for spouse. A motion to accept the budget for 1996 CRC was tabled by London, seconded by Windsor and passed unanimously.
4. ASHRAE Society representatives and DRC John Dugan made closing remarks. The meeting was adjourned at 4:50 p.m..

ASHRAE					
Region II - CRC '95					
Toronto, Ontario					
FINANCIAL STATEMENT					
Description	Mbrs	Rate	Credit	Balance	Comments
REVENUES					
From Toronto Chapter			\$ 700.00	\$ 700.00	CRC '94 Publicity
From Toronto Chapter			\$ 431.20	\$ 1,131.20	Chapter support
Chapter Assessments	1349			\$ 1,131.20	
London	57	\$ 5.00	\$ 285.00	\$ 1,416.20	
Hamilton	96	\$ 5.00	\$ 480.00	\$ 1,896.20	
Montreal	322	\$ 5.00	\$ 1,610.00	\$ 3,506.20	
Windsor	64	\$ 5.00	\$ 320.00	\$ 3,826.20	
Halifax	89	\$ 5.00	\$ 445.00	\$ 4,271.20	
Ottawa	160	\$ 5.00	\$ 800.00	\$ 5,071.20	
Quebec	112	\$ 5.00	\$ 560.00	\$ 5,631.20	
Toronto	338	\$ 5.00	\$ 1,690.00	\$ 7,321.20	
NB/PEI	111	\$ 5.00	\$ 555.00	\$ 7,876.20	
Toronto - Society Allocation			\$ 3,111.90	\$ 10,988.10	\$ 2,300 US Funds
Account Interest			\$ 29.49	\$ 11,017.59	
Term deposit interest			\$ 102.17	\$ 11,119.76	On \$ 6,500
Full Registrations	61	\$ 170.00	\$ 10,370.00	\$ 21,489.76	
Partial Registrations	55	\$ 50.00	\$ 2,750.00	\$ 24,239.76	
Companion Registrations	14	\$ 135.00	\$ 1,890.00	\$ 26,129.76	
CASH Registrations			\$ 520.00	\$ 26,649.76	
Sponsors	12	\$ 200.00	\$ 2,400.00	\$ 29,049.76	
Hospitality Night			\$ 2,106.80	\$ 31,156.56	From Toronto Chapter
Total Revenues			\$ 31,156.56		
EXPENDITURES					
			Debit	Balance	
Hotel					
King Edward Hotel			\$ 17,402.17	\$ 17,402.17	Includes Hospitality Night of \$2,106.80
DRC Room			\$ 840.00	\$ 18,242.17	Room & miscel. hotel expenses
Host Chair Room			\$ 1,660.61	\$ 19,902.78	Room & miscel. hotel & hospitality expenses
DRC Registration			\$ 170.00	\$ 20,072.78	
Host Chair Registration			\$ 170.00	\$ 20,242.78	

ASHRAE
Region II - CRC '95
Toronto, Ontario
FINANCIAL STATEMENT

Description	Mbrs	Rate	Credit	Balance	Comments
Audio/visual			\$ 4,391.00	\$ 24,633.78	Equipment Rentals
Promotion at Ottawa CRC '94			\$ 558.60	\$ 25,192.38	
Postage, mailing, photocopies, telephone			\$ 618.76	\$ 25,811.14	
Printing of Agenda, Tickets, etc.			\$ 1,291.72	\$ 27,102.86	
Technical Tours			\$ 372.15	\$ 27,475.01	
Mariposa Cruise Lines			\$ 1,802.80	\$ 29,277.81	Companion tour
Transportation to technical and social events			\$ 337.05	\$ 29,614.86	
Photography			\$ 83.50	\$ 29,698.36	
Gifts			\$ 271.45	\$ 29,969.81	
Chapter Binders, Index Dividers			\$ 314.71	\$ 30,284.52	
Miscellaneous Conference Supplies			\$ 289.55	\$ 30,574.07	
Bank Charges			\$ 29.18	\$ 30,603.25	
Total Expenditures			\$ 30,603.25		
SUMMARY					
		Total Revenues		\$ 31,156.56	
		Total Expenditures		\$ 30,603.25	
		Surplus		\$ 553.31	Full amount transferred to the Regional Account
CRC '95 General Chair: Jim Ovens					
Treasurer: Roger Touw					

