1984

Toronto.
Loc. Niagara
ASHRAE SOCIETY OFFICERS & VISITORS/
EXÉCUTIF DE LA SOCIÉTÉ ET
LES VISITEURS DE SON ORGANISATION
Richard P. Perry
President / Président
Robert O. McDonald
President-elect / Président-élect
Donald R. Bahnfleth
Vice-President / Vice-Président
Frederick H. Kohlmos
Vice-President / Vice-Président
H. E. (Barney) Burroughs
Treasurer / Trésorier
Andrew T. Boggs
Executive Vice-President / Vice-Président Exécutif
Frank Coda
Executive Director & Secretary
Directeur-Exécutif et Secrétaire
Doris Flandorfer
Assistant to Executive
Vice-Président
Assistante au
Vice-Président Exécutif
REGION II OFFICERS/
EXÉCUTIF DE LA RÉGION II
W. Lloyd Algie
Chairman / Président
Dalton J. McIntyre
Education / Education
Gilles Rheault
Energy Management / Gestion de l’énergie
Gary R. Brown
Membership / Recrutement
Dennis J. Banning
Research Promotion
George F. Carscallen
Delegates / Délégués
Phillip B. Landray
Delegate-Substitutes / Substituts
TORONTO CHAPTER OFFICERS 1983-1984/
EXÉCUTIF DU CHAPITRE DE TORONTO
G. G. Hughson
President / Président
H. A. G. Maybank
Vice-President / Vice-Président
H. R. Bach
Past President / Ancien Président
C. L. Thompson
Secretary / Secrétaire
R. F. Nash
Treasurer / Trésorier
W. H. Chadwick
Present President / Président Président
BOARD OF GOVERNORS/
ADMINISTRATEURS
R. F. Chaffe
J. D. Ovens
D. Heins
D. Struthers
T. W. Kilmer
E. H. Wheatley

DELEGATES AND ALTERNATES/
DÉLÉGUÉS ET SUBSTITUTS
VILLE DE QUÉBEC
Michel Boulanger
Delegate / Délégué
F. tre Beaulieu
Alternate / Substitut
HALIFAX
Gerard M. Doyle
Delegate / Délégué
Laurie R. Conrad
Alternate / Substitut
MONTREAL
Jean P. Bédard
Delegate / Délégué
F. Krumeiich
Alternate / Substitut
NEW BRUNSWICK
Gary Blue
Delegate / Délégué
Robinraig
Alternate / Substitut
OTTAWA VALLEY
Frank Yaculik
Delegate / Délégué
Gabriel P. Laszlo
Alternate / Substitut
TORONTO
Herbert A. G. Maybank
Delegate / Délégué
H. Robert Bach
Alternate / Substitut
LONDON-ONTARIO
Walter P. Lucas
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Ronald E. Granger
Alternate / Substitut
SAGUENAY-LAC STE-JEAN
Jean-Roch Gagnon
Delegate / Délégué
Yvan Bédard
Alternate / Substitut
WINDSOR
F. Mark, Plichcek
Delegate / Délégué
x Benedet
Alternate / Substitut

GENERAL INFORMATION/
RENSEIGNEMENTS GÉNÉRAUX
Registration fees / Droits d’inscription:
Delegates-Alternates/Délégués-Substituts
$75.00
(after May 1st)
Includes
Comprenant
Cocktail reception
Petit déjeuner du jeudi et vendredi
Breakfast on Thursday & Friday
Déjeuner du jeudi et vendredi
Luncheons on Thursday and Friday
Spectacle des invitations de jeudi soir
Special dinner on Thursday

Spectacle
Spouses/Epouses
$5.00
(after May 1st)
Includes
Comprenant
Cocktail reception
President’s luncheon-Friday
Dîner du Président vendredi
Sightseeing Tour of Niagara Falls/Thursday
Tour de Niagra Falls jeudi
Walking tour -Friday
Promenade vendredi
Dinner -Thursday
Soirée sociale du jeudi soir
Entertainment -Thursday
Spectacle jeudi

SEPARATE TICKETS / BILLETS INDIVIDUELS
Thursday breakfast
Petit déjeuner du jeudi
$9.00
Thursday luncheon
Déjeuner du jeudi
$15.00
Friday breakfast
Petit déjeuner du vendredi
$9.00
President’s luncheon
Déjeuner du Président
$15.00
Thursday evening social event
Soirée sociale du jeudi soir
$40.00

ASHRAE REGION II
27th ANNUAL
CHAPTERS REGIONAL CONFERENCE
AMERICAN SOCIETY OF
HEATING, REFRIGERATING, AND
AIR-COOATING ENGINEERS, INC.

ASHRAE
PRINCE OF WALES HOTEL
6 PICTON STREET
NIAGARA-ON-THE-LAKE
ONTARIO, CANADA

MAY 16, 17, 18, 1984
Host Chairman,
Toronto CRC#84
ORVIL L. DAVIE, P. Eng.
**PROGRAM OF EVENTS / PROGRAMME DES ACTIVITÉS**

### REGION II

**CHAPTERS REGIONAL CONFERENCE/ CONGRÈS RÉGIONAL DES CHAPITRES**

**WEDNESDAY, MERCREDI, May 16, 1984**

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>11 a.m. to 5 p.m.</td>
<td>Registration/ Inscription</td>
<td>Vikki's Room</td>
</tr>
<tr>
<td>2 p.m. to 2:30 p.m.</td>
<td>Familiarization meeting/Open to all</td>
<td>Victoria &amp; Albert Room</td>
</tr>
<tr>
<td>2:30 to 5 p.m.</td>
<td>Delegates, alternates and nominating committee only.</td>
<td>Victoria &amp; Albert Room</td>
</tr>
<tr>
<td>5:15 to 6:15 p.m.</td>
<td>First Business Meeting: Open to all</td>
<td>Victoria &amp; Albert Room</td>
</tr>
<tr>
<td>6:15 to 6:45 p.m.</td>
<td>Upper Floor/Library</td>
<td>Victoria &amp; Albert Room</td>
</tr>
<tr>
<td>7:15 to 8:15 p.m.</td>
<td>Cocktail reception/ café, dinner at a restaurant of your choosing</td>
<td>Victoria &amp; Albert Room</td>
</tr>
<tr>
<td>8:15 to 9:30 p.m.</td>
<td>Open bar/ diner</td>
<td>Victoria &amp; Albert Room</td>
</tr>
<tr>
<td>9 a.m. to 9:30 a.m.</td>
<td>Second business meeting. Open to all</td>
<td>Victoria &amp; Albert Room</td>
</tr>
</tbody>
</table>

**FRIDAY, VENDREDI, May 18, 1984**

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>9 a.m. to 12 noon</td>
<td>Registration/ Inscription</td>
<td>Rooftop Suite</td>
</tr>
<tr>
<td>7 a.m. to 9 a.m.</td>
<td>Breakfast. Open to all</td>
<td>Victoria &amp; Albert Room</td>
</tr>
<tr>
<td>9 a.m. to 10:30 a.m.</td>
<td>Second business meeting. Open to all</td>
<td>Victoria &amp; Albert Room</td>
</tr>
<tr>
<td>10:30 a.m.</td>
<td>Coffee Break/ Pause café</td>
<td>Victoria &amp; Albert Room</td>
</tr>
<tr>
<td>10:30 a.m.</td>
<td>Second business meeting. Deuxième réunion d'affaires.</td>
<td>Victoria &amp; Albert Room</td>
</tr>
</tbody>
</table>

**THURSDAY, JEUDI, May 17, 1984**

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>9 a.m. to 2 p.m.</td>
<td>Registration/ Inscription</td>
<td>Rooftop Suite</td>
</tr>
<tr>
<td>7 a.m. to 9 a.m.</td>
<td>Breakfast. Open to all</td>
<td>Victoria &amp; Albert Room</td>
</tr>
<tr>
<td>9 a.m. to 11:30 a.m.</td>
<td>Second business meeting. Deuxième réunion d'affaires.</td>
<td>Vikki's Room</td>
</tr>
</tbody>
</table>

**SPOUSES ACTIVITIES/ ACTIVITÉS DES ÉPOUSES**

**WEDNESDAY, MERCREDI, May 16, 1984**

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>11 a.m. to 5 p.m.</td>
<td>Registration/ Inscription</td>
<td>Vikki's Room</td>
</tr>
<tr>
<td>2 p.m. to 2:30 p.m.</td>
<td>Social gathering/ Rencontre amicale</td>
<td>Vikki's Room</td>
</tr>
<tr>
<td>7:15 p.m.</td>
<td>Cocktail reception/ diner</td>
<td>Rooftop Suite</td>
</tr>
</tbody>
</table>

**THURSDAY, JEUDI, May 17, 1984**

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>10:00 a.m.</td>
<td>Sightseeing bus tour of Niagara Falls / Tour de Niagara Falls touristique.</td>
<td></td>
</tr>
</tbody>
</table>

**FRIDAY, VENDREDI, May 18, 1984**

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>2:00 p.m.</td>
<td>Winery tour / Tour de la cave du vin</td>
<td></td>
</tr>
<tr>
<td>7:00 p.m.</td>
<td>Dinner</td>
<td></td>
</tr>
</tbody>
</table>

**FRIDAY, VENDREDI, May 18, 1984**

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>8:15 a.m.</td>
<td>Walking tour / Promenade</td>
<td></td>
</tr>
<tr>
<td>12:30 p.m.</td>
<td>President's Awards luncheon/ Déjeuner du Président.</td>
<td>Victoria &amp; Albert Room</td>
</tr>
</tbody>
</table>

Historical Anecdotes by John Fox: Anecdotes Historiques par John Fox.
ASHRAE SOCIETY OFFICERS/ VISITORS/ EXECUTIF DE LA SOCIETE ET LES VISITEURS DE SON ORGANISATION
Richard P. Perry
Robert O. McDonald
Donald R. Bahnfleth
Frederick H. Kohlhos
H.E. (Barney) Burrough
Andrew T. Boggs
Frank Coda
Doris Flandorfer
REGION II OFFICERS/ 
EXÉCUTIF DE LA REGION II
W. Lloyd Algie
Dalton J. McIntyre
Gilles Rheault
Gary R. Brown
Dennis J. Benning
George F. Carscallen
Phillip B. Landray
TURONTO CHAPTER OFFICERS 1983-1984/ 
EXÉCUTIF DU CHAPITRE DE TORONTO 1983-1984
G. G. Hughson
H. A. G. Maybank
H. R. Bach
C. L. Thompson
R. F. Nash
W. H. Chadwick
BOARD OF GOVERNORS/ ADMINISTREURS
R. F. Chaffey
D. Heins
T. W. Kilmer
DELEGATES AND ALTERNATES/ DÉLÉGUES ET SUBSTITUTS
VILLE DE QUÉBEC
Michel Boulander
André Beaulieu
HAMILTON
Robert J. Morris
Ray Jacobs
HALIFAX
Gerard M. Doyle
Laurie R. Conrad
MONTREAL
Jean P. Bédard
F. Krumrech
NEW BRUNSWICK
Gary Blue
Robin Craig
OTTAWA VALLEY
Frank Vacullik
Gabriel P. Laslo
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Herbert A. G. Maybank
H. Robert Bach
LONGON- CANADA
Walter P. Lucas
Donald E. Granger
SAGUENAY-LAC- ST-JEAN
Jean-Roch Gagnon
Yvan Bédard
WINDSOR
Frank J. Pelisek
Mark Benedet
GENERAL INFORMATION/ RENSEIGNEMENTS GÉNÉRAUX
Registration fees / Droits d'inscription
Delegates/Alternates/Délégués-Substituts $75.00
(after May 1 and after May 1)
Complimentary
Cocktail reception
Breakfast on Thursday & Friday
Luncheons on Thursday and Friday
Special dinner on Thursday
Entertainment on Thursday
Spouses/Épouses $55.00
(after May 1 and after May 1)
Complimentary
Cocktail reception
President's luncheon-Friday
Sightseeing Tour of Niagara Falls - Thursday
Walking tour- Friday
Dinner- Thursday
Entertainment- Thursday
SEPARATE TICKETS / BILLETS INDIVIDUELS
Thursday breakfast Petit Déjeuner du jeudi $ 9.00
Thursday luncheon Déjeuner du jeudi $15.00
Friday breakfast Petit déjeuner du vendredi $ 9.00
President's luncheon Déjeuner du Président $15.00
Thursday evening Social event Soirée sociale du jeudi soir $40.00
PROGRAM OF EVENTS / PROGRAMME DES ACTIVITÉS

REGION II

CHAPTERS REGIONAL CONFERENCE/ CONGRÉS REGIONAL DES CHAPITRES

WEDNESDAY, MERCREDI, May 16, 1984

11 a.m. to 5 p.m.
Vikki’s Room
Registration/ Inscription

2 p.m. to 2:30 p.m.
Victoria & Albert Room
Familiarization meeting, Open to all!
Réunion d’introduction des officiers de la société et de la région II.
Pour tous.

2:30 to 5 p.m.
Caucus/Caucas
Delegates, alternates and nominating committee only.
Délégués, substituts, et comité de nomination seulement.

2:30 to 5 p.m.
Victoria & Albert Room
President’s levee, Open to all
Reception du Président. Pour tous.

5:15 to 8:15 p.m.
Rooftop Suite
First Business Meeting, Open to all
Première réunion d’affaires. Pour tous.

7:15 to 8:15 p.m.
Victoria & Albert Room
Cocktail reception
Cocktail de bienvenue

9 a.m. to 10:30 a.m.
Victoria & Albert Room
Second business meeting
Deuxième réunion d’affaires.
Pour tous.

Historical Anecdotes by John Fox
Anecdotes Historique par John Fox.

10:30 a.m. to 10:45 a.m.
Coffee Break/ Pause café

10:45 a.m. to 11:45 a.m.
Victoria & Albert Room
Second business meeting
Deuxième réunion d’affaires.

12 noon
Cash bar/Aperitif

12:30 p.m. to 2 p.m.
Victoria & Albert Room
Luncheon — Formal welcome from
the Chapter President.
G. G. Hughson. Open to all.
Déjeuner — Moi de bienvenue du
Président du Chapitre
G. G. Hughson. Pour tous.

2 p.m. to 3:30 p.m.
Victoria & Albert Room
Technical Session, Open to all
Séance d’étude technique.
Pour tous.

3:30 p.m. to 5:45 p.m.
Coffee Break/ Pause café

3:45 p.m. to 5:45 p.m.
Victoria & Albert Room
Chapter Training Sessions, Open to all
Atelier de formation des chapitres. Pour tous.

6:30 p.m. to 7:30 p.m.
Victoria & Albert Room
Cocktail Party
Cocktail de bienvenue.

9:30 p.m.
Entertainment
Spectacle

SAMPLING ACTIVITIES/
ACTIVITÉS DES ÉPouxS

THURSDAY, JEUDI, May 17, 1984

9 a.m. to 2:30 p.m.
Victoria & Albert Room
Registration/ Inscription

7 a.m. to 9 a.m.
Victoria & Albert Room
Breakfast
Petit déjeuner
Open to all.
Pour tous.

9 a.m. to 10:30 a.m.
Victoria & Albert Room
Second business meeting.
Deuxième réunion d’affaires.
Pour tous.

Historical Anecdotes by John Fox
Anecdotes Historique par John Fox.

10:30 a.m. to 10:45 a.m.
Coffee Break/ Pause café

10:45 a.m. to 11:45 a.m.
Victoria & Albert Room
Second business meeting
Deuxième réunion d’affaires.

12 noon
Cash bar/Aperitif

12:30 p.m. to 2 p.m.
Victoria & Albert Room
Atelier de formation des chapitres.
Pour tous.

4:30 p.m.
Entertainment
Spectacle

SPOUSES ACTIVITIES/
ACTIVITÉS DES ÉPouxS

THURSDAY, JEUDI, May 17, 1984

10:00 a.m.
Victoria & Albert Room
Sightseeing bus tour of Niagara Falls.
Tour de Niagara Falls touristique.

1:30 p.m.
Victoria & Albert Room
Dinner

2:30 p.m.
Victoria & Albert Room
Rooftop Reception

3:30 p.m.
Victoria & Albert Room
Entertainment

4:30 p.m.
Victoria & Albert Room
Dinner

FRIDAY, VENDREDI, May 18, 1984

8:30 a.m.
Victoria & Albert Room
Registration/ Inscription

9 a.m. to 12 noon
Rooftop Suite
Registration
Breakfast. Open to all.
Déjeuner. Pour tous.

2 p.m. to 2:30 p.m.
Social gathering
Vikki’s Room
Rencontre amicale

7:15 p.m.
Rooftop Suite
Cocktail reception 
Cocktail bienvenue

12 noon
Cash bar/Aperitif

12:30 p.m. to 2 p.m.
Victoria & Albert Room
Dinner

2:30 p.m.
Victoria & Albert Room
Dinner

3:30 p.m.
Victoria & Albert Room
Entertainment

4:30 p.m.
Victoria & Albert Room
Dinner

5:30 p.m.
Victoria & Albert Room
Entertainment

6:30 p.m.
Victoria & Albert Room
Dinner

7:30 p.m.
Victoria & Albert Room
Entertainment

8:30 p.m.
Victoria & Albert Room
Dinner

9:30 p.m.
Victoria & Albert Room
Dinner

10:00 p.m.
Victoria & Albert Room
Dinner

SAMPLING ACTIVITIES/
ACTIVITÉS DES ÉPouxS

FRIDAY, VENDREDI, May 18, 1984

9:30 a.m.
Victoria & Albert Room
President’s Awards luncheon.
Déjeuner du Président.

12 noon
Cash bar/Aperitif

12:30 p.m. to 2 p.m.
Victoria & Albert Room
Dinner

2:30 p.m.
Victoria & Albert Room
Dinner

3:30 p.m.
Victoria & Albert Room
Dinner

4:30 p.m.
Victoria & Albert Room
Dinner

5:30 p.m.
Victoria & Albert Room
Dinner

6:30 p.m.
Victoria & Albert Room
Dinner

7:30 p.m.
Victoria & Albert Room
Dinner

8:30 p.m.
Victoria & Albert Room
Dinner

9:30 p.m.
Victoria & Albert Room
Dinner

10:00 p.m.
Victoria & Albert Room
Dinner

SAMPLING ACTIVITIES/
ACTIVITÉS DES ÉPouxS
Contents:

1. Participants
2. Business Sessions
   - First
   - Second
   - Third
3. Appendix
   A. Education Report
   B. CRC Program of Events
PARTICIPANTS

REGIONAL OFFICERS

W. Lloyd Algie - Chairman
Dennis Banning - Research
Gary Brown - Membership
Gilles Rheault - Energy Management
Dalton McIntyre - Education
George Carscallen - Nominating Committee Delegate
Phil Landray - Nominating Committee Alternate

SOCIETY VISITORS

Robert O. McDonald - President-Elect.
Frank Coda - Executive Director & Secretary
Doris Flandorffer - Assistant to Executive Vice-President
George Buckler - Director-at-Large

DELEGATES AND ALTERNATES

CHAPTER: DELEGATE: ALTERNATE

Ville de Quebec: Michel Boulanger: Andre Beaulieu
Hamilton: Robert Morris: Ray Jacobs
Halifax: Gerard Doyle: Laurie Conrad
Montreal: Jean Bedard: Fred Krumreich
New Brunswick: Gary Blue: Robin Craig
Ottawa Valley: Frank Vaculik: Gabriel Laszlo
Toronto: Herb Maybank: Robert Bach
London: Walter Lucas: Ron Granger
Saguenay - Lac St. Jean: Jean-Roch Gagnon: Michel Dufresne
Windsor: Frank Pelisek: Mark Benedet
OPENING SESSION - MAY 16, 1984

- Host Chairman, Orvil Davie, opened Familiarization meeting at 2:10 p.m. and introduced Region II Chairman, Lloyd Algie.

- Lloyd Algie gave general comments of welcome and introduction. He explained purpose of meeting and the purpose of each individual's presence.

- Bob Morris (Hamilton) raised the question as to whether or not the "Alternate" at a business session had a vote if his "Delegate" was absent. L. Algie reported later and before any votes were taken that each "Delegate" had one vote and that in the absence of the "Delegate" the "Alternate" could vote on the issue at hand.

FIRST BUSINESS SESSION - MAY 16, 1984

ATTENDANCE:

- Regional Officers, Society Visitors, Delegates and Alternates (see Participants)

- Mr. George Hughson, President, Toronto Chapter

- Mr. Orvil Davie, Host Chairman

- Mr. Jim Ovens, Secretary of CRC

OBSERVERS:

Halifax - Paul Conrad

Hamilton - George Menzies
- John Tuck

Ottawa Valley - Ray Young
- John Lunde

Windsor - Chris Hales

Montreal - Mal Turaga
- Judith Lewis

Toronto - John Fox
- Bill Chadwick
- Norm Johnson
- John Gallagher

- Chairman Lloyd Algie opened session at 5:15 p.m.

- Host Chairman, Orvil Davie gave words of welcome on behalf of the Host Chapter, Toronto.
Chairman Algie requested a motion be made for Jim Ovens of the Host Chapter, to act as secretary for the meeting. It was so moved, seconded and passed.

Chairman Algie asked for approval of minutes from the 26th Annual Chapters Regional Conference held in Quebec City in May 1983. Moved by Geo. Hughson, Seconded by Andre Beaulieu. Carried.

President Bob McDonald expressed greetings from Society and wished all for a successful meeting.

Doris Flandorffer expressed that she was present to answer any questions one may have and to give any help she could on matters relating to Society Business.

Chairman Algie requested each chapter to briefly describe their main problems within their Chapter over the past year.

Windsor - F. Pelisek: Difficult to obtain members from industrial sector.

London - W. Lucas: Difficult to motivate members into committee work.

Hamilton - R. Morris: Meeting place went into receivership. Membership falling due to economy.

Toronto - H. Maybank: Only 36 on committee work out of a 301 membership.

Ottawa - F. Vaculik: Good year but Chapter to Society membership ratio low due to public services, members involved at research level, and little industry in area.

Montreal - J.P. Bedard: Consulting Engineers will not join chapter. Meeting place into receivership. Financial problems.

Quebec - M. Boulanger: Poor response from consulting engineers. Education required for chapter members.

Saguenay - J. Gagnon: New chapter, few know problems. Need membership from local industry.

New Brunswick - R. Craig: Motivation required to get members to work on committees. Chapter meetings held in various cities resulted in poor attendance. All meetings now held in Moncton.

Halifax - G. Doyle: Poor meeting attendance. Motivation for committee work required.

General discussion followed:

- F. Vaculik - Ottawa: stated that a better interaction of committees is required.

- G. Rheault - Energy Management: stated there was to be a system of integrated reporting. No action has been apparent.

- Membership - biggest problem expressed by the Chapters.
- Breakdown of Communications for Region II expressed as a major problem over the past year.

- Chairman Algie discussed Chapter Member/Society Member ratios of various chapters as new chapters emerged and boundaries changed.

- Chairman Algie reminded all correspondents to Society to use correct Atlanta address and not the New York address which is still shown on old literature, stationery, etc.

- Chairman Algie closed session at 6:15 p.m.

SECOND BUSINESS SESSION - MAY 17, 1984

ATTENDANCE

- Regional Officers, Society Visitors, Delegates and Alternates (see Participants)

- Mr. Orvil Davie, Host Chairman

- Mr. Jim Ovens, Secretary of CRC

OBSERVERS

Halifax

- Paul Conrad

Hamilton

- John Tuck
- Cliff Schemmer
- Geo. Menzies

Windsor

- Chris Hales

Ottawa Valley

- Jacob Klassen
- Ray Young
- Bob McKeeg
- John Dungan
- John Lunde

Montreal

- J. Lewis
- Mal Turaga

Toronto

- John Gallagher
- Mike Moorehouse
- John Hodge
- John Ross
- John Fox
- Norm Johnson
- Bill Bingham
- Howard French

- Chairman Algie opened meeting at 9:10 a.m. with introductory remarks.
Chairman Algie confirmed "Alternate" had a vote in the case of absence of the "delegate".

Chairman Algie requested Region II officers to give their committee reports.

Membership - Gary Brown

- Membership up in Region II.
- Now over 4000 including students, last year total was 3500.
- This year there are 600 delinquent members, last year only 119 at this time.
- Membership committee must be hard working for Society to grow on the road to success.

Education - Dalton McIntyre

- Poor feedback of information from chapter level to committee chairman.
- There is a learning curve for each chairman or vice-chairman as he assumes his new post.
- Education committee reassessing its roll as 90% of PAOE points relate to students and their programs. Is this correct or should the roll be to educate the members?
- The "Handbooks" are the bible of the industry. This is another form of education.
- What does CRC expect from the Education Committee?
- See Appendix "A" - Education Report.

Research Promotion - Dennis Banning

- Workshop was held in Montreal, January 1984. Discussed problems, set goal of $52,100 for 1984.
- Newsletters were sent regularly on a monthly basis.
- Tax deduction information was clarified.
- Teamwork required for success of objective.
- Banning attended meeting in Atlanta. Objective of $52,000 was accepted.
- Awareness is greatest problem to understanding research. One purpose of annual and semi-annual meetings is the updating information required for the "Handbooks".

- An award program is being considered for the most successful chapter chairman.

- Investments to date total $15,000. Objective is expected to be met by April 1985.

- Eight out of nine chapters utilized film on research promotion.

**Energy Management** - Gilles Rheault

- Communication with chapters poor.

- Chapter newsletters are to be sent to the vice-chairmen.

- Last year Region II had 14 entries for energy awards. All were of average quality, but we had 3 awards at Society level.

- This year only 10 entries were received. These came from Toronto, Montreal, and Quebec City, and were all of good quality.

- All chapters held at least one seminar. Montreal and Hamilton held two.

- All chapters were strong with civic energy talks.

**ASHRAE Research Canada** - George Menzies

- Research comprises three components:
  1) Society
  2) Research
  3) ASHRAE Research Canada

- The latter, ASHRAE Research Canada is a corporation.

**Region II Historian** - John Fox

- Position carries several meanings:
  1) Region II Historian
  2) Toronto chapter Historian
  3) Consultant to History
  4) Committee of Society
  5) Archivist
- Work stated in 1969, Phil Landry now on committee.

1) Preservation of information
2) Recording of data
3) Make information available for future

- No real program exists as to what is to be done in the future. Chapter historians should be ready to go into action.

- Preservation should be considered for chapter newsletters, tickets, people, anecdotes. In Ontario, send information to J. Fox.

- Material does not have to be old.

- Chalky Roth has provided complete historical information of Toronto Chapter - was chapter secretary.

- J. Fox has a complete set of Guides from 1922 to 1983. These are willed to the University of Toronto. Personal papers and business items go to the Ontario Historical Archives.

- History on this continent goes back 400 years.

**Director at Large - Society** - George Buckler

- Duties:

1) Various committees at international level for Society advancement.

2) Long range planning
   - Strategic - 5 years or greater
   - Tactical - immediate

3) Committee very active - report directly to council structure or Board of Governors.

4) Meet at summer and winter meetings to report to president and president-elect.

5) President has a theme. New theme for 84-85 is "Professional Excellence" meaning "do the good things we do even better".

6) Paul Conrad to succeed Buckler in this position.

7) Region II should be proud of the people that have served and continue to serve on behalf of ASHRAE.
Executive Director & Secretary - Frank Coda

- Society now has 142 chapters, Singapore is the latest.
- Hong Kong, if approved at Kansas City meeting in June, will be 143rd.
- Problems in future - how to deal with Chapters outside North America.
- Now 73 student chapters, up 11 over the past year (5 in Region II).
- Milestone in membership 50,252, (48,042 last year) with 6619 student members.
- Potential change for all CRC's to be in the fall.
- Discussion has taken place to consider Society collecting chapter dues.
- Continuing education has been a topic of discussion. Tests for self assessment are available in some subjects.
- New standards program has been set. Standard 90 is now at executive committee level. Should be ready by 1985.
- Research programs currently in progress have a $3 million budget. Budget for this year is expected to be $1 million plus.
- 1985 Handbook of Fundamentals. Choice required re imperial or metric units. Extra $50 required for other copy.
- Large computer added at Atlanta. Financial information now added.
- Headquarters will welcome any visiting ASHRAE member to Atlanta.

Government of Canada - Energy Mines and Resources

(EMR) Systems - Jake Klassen

- ROI means "Return on Investment".
- To justify changes there must be some return on investment.
- ASHRAE sets safe levels.
- Not worthwhile to only upgrade a portion of the building envelop.
- When an operator is present, he has the best opportunity to save energy.
- Big payers - length of downtime of equipment, what are costs what do I benefit?
ACES Project - Mal Taraga

- ACES - ASHRAE Continuing Education Society.
- Seminars and programs are to be held.
- Self assessment testing program available for members complete with manuals for study.
- Programs available include refrigeration and fluid handling equipment.
- Contact ETS Educational Technical Services.
- Mailed on request, study time up to individual, mail completed test.
- Test will be marked and returned. Totally confidential.

Chairman Algje

- Chairman Algje discussed merits of a fall CRC versus a spring CRC. It is desireable to have CRC's for all regions at the same time with the fall period being the most desireable from the Society viewpoint. Options available:
  1) Do nothing or
  2) Schedule all CRC's in the late summer or early fall.

Disadvantages and advantages for 1) and 2) were discussed.

- Chairman Algje requested implementation of a full CRC in 1985 if possible. The letter of information to be sent to Ottawa (CRC 85) and Hamilton (CRC 86) as these on the chapters affected earliest.

- Bob McDonald discussed proposal as discussed at Regions Council. Implementation in fall 1985 appears too upsetting for the short term. 1986-87 seems more reasonable. Chapters should consider all the advantages of a fall CRC and meet issues with an open mind.

- Meeting closed at 11:55 a.m.
THIRD BUSINESS SESSION - MAY 18, 1984

ATTENDANCE

- Regional Officers, Society Visitors, Delegates and Alternates (see Participants)
- Mr. Orvil Davie, Host Chairman
- Mr. Jim Ovens, Secretary of CRC

OBSERVERS

- Halifax
  - Paul Conrad
- Ottawa
  - Paul Baker
  - Jake Klassen
- Toronto
  - Norm Johnson
  - Bill Chadwick
- Montreal
  - Mal Turaga
- Hamilton
  - George Menzies

- Chairman Algie opened session at 3:20 p.m.
- Doris Flandorffer commented on various Society matters:
  - staff directory available
  - communications important for membership and publications.
  - advise change of address
  - submit chapter information questionnaire even if incomplete
  - handbook due in 2 - 4 weeks
  - send copy of chapter newsletters to Society
  - ASHRAE constitution has now been approved. Once approved it
does not change, whereas the by-laws change regularly as
required.

- Francois L'Anglais - Intergovernment Affairs
  - Better informed citizen with involvement
  - Interacting with government
  - Must avoid political standards
  - Natural and logical issue
  - Federal and Provincial issues
  - Regional Workshops
Continuation of Second Business Session

- Fall CRC discussion
- Algie prefers fall CRC and would like a consensus of opinion to take to Kansas City.
- Morris discussed in favour of proposal.
- Vaculik objected to manner that proposal was being handled.
- Algie to report to Chapters via newsletter after Kansas City meeting.
- CRC '85 - Ottawa - plans too far advanced to change.
- CRC '86 - Hamilton - Algie indicated that a fall CRC should be planned and may result in a second being held the same year.
- Doyle expressed dislike with CRC running into a long holiday weekend. Other representatives explained reasons for this date and little flexibility is available.

SUMMARY REPORTS

Nominating Committee - Geo Carscallen
- Nominees not prepared for meeting, hadn't read book.
- Nominees for 86/87 proposed. Landry delegate, Carscallen alternate.
- Phil Landry to receive copy of report.

Energy Management - Gilles Rheault
- Only 4 chapter reps showed up. These should have been all the incoming chairmen.
  - Windsor - Pelisek
    - Received chapter November 1983.
  - London - Granger
    - Successful year
    - Problem to get members to serve on committees.
  - Hamilton - Morris
    - Two energy seminars held at Community College, attendance of 70 at one.
    - Slides & discussion of energy projects in local area.
- Declining membership

**Toronto - Maybank**
- Membership increase 225 to 300.
- Meeting attendance 134 - highest in Society.
- Sound financial base.
- Three student branches 70 - 100 students.
- EM and technical seminars successful.
- Chapter constitution and by-laws rewritten and chapter approval received.

**Ottawa - Vaculik**
- Good year
- Research to surpass previous year.
- Membership committee best improvement.
- EM problems due to 2 key resignations.
- Ottawa Home Show booth attracted new members.

**Quebec - Boulanger**
- Meeting attendance low.
- Circulate questionnaire for ideas.

**Halifax - Doyle**
- Good year
- Repaid Society $1,750 against $3,500 loss for CRC.
- 54 Student members
- Speaker in "Bonding" well received.
Montreal - Bedard
- Meeting attendance 98
- Students 284, highest in Region.
- Active Education Committee. Computer show on software.
- 4 student awards - $150.00 each.

New Brunswick - Blue
- Average year
- Successful IES showcase in St. Johns.
- Excellent speakers.

Chairman Algic discussed Training Sessions as a new phase at CRC.

Morris suggested this meeting should be held at beginning of the CRC not the end.

It was moved by H. Maybank, seconded by R. Morris that suggested motions (resolutions) be discussed at the start of the CRC rather than at the end. Carried - Unanimous.

It was moved by H. Maybank, seconded by R. Morris that Region II be unalterably opposed to any involvement of ASHRAE Society of collecting any chapters dues from members. Carried.

Resolution # 1

Moved by Walter Lucas and seconded by John Kenny. "That the Manual of Conducting Chapters Regional Committee Conference be available as part of the Chapters Operating Manual to enable the Delegate and Alternate to be familiar with the Requirements of CRC prior to their attendance as an Alternate".

Carried.

Resolution # 2

Moved by Bob Morris, seconded by H. Maybank, that the student membership year shall be from January 1 to December 31, and that upon graduation the student membership shall terminate on the following 31st of December. When transferring membership from student status, the first year's dues shall be one half the annual dues.

Background Information:

Presently the year is from July 1st to June 30th and student status ends approximately fourteen (14) months after graduation. The application process results in first year students only receiving about six (6) journals.
Their enthusiasm with ASHRAE is dampened. After graduation, eight (8) months to decide on changing membership status should be sufficient. Chapters will have the period of September to December as part of their fall membership drive to recruit the graduates. Presently, chapter membership drives have tapered off or stopped by the time Headquarters advise the graduates their student membership is to be terminated.

Defeated.

Resolution # 3

Moved by Bob Morris, seconded by Frank Vaculik, that student member orders for the Equipment, Applications, and Systems Handbooks at the price of $30.00 be extended to apply to the first three years of student membership.

Background Information:

Students, particularly those in community colleges, in their first year are not sufficiently motivated or aware of their needs to avail themselves of the benefit. Society records should show that before the first year requirement was added, the order volume was not sufficient to cause an appreciable financial loss. However, reverting to the previous policy will further ASHRAE's goal in promoting education.

Carried.

Resolution # 4

Moved by Bob Morris, seconded by H. Maybank, that at each Region II CRC, the following year's host chapter submit a budget for approval which shall show the assessment, registration, and estimated expenses as outlined in "Manual for Conducting CRC Conference". The previous year's final report of CRC Income and Expenses shall be submitted to the delegates for guidance in approving, by a 2/3 majority, the submitted budget.

Background Information:

1. This year's $3.50 assessment has not been approved by the CRC and theoretically did not require payment by the chapters.

2. Since Society provides $1,000.00 financial assistance, ASHRAE Headquarters requires a complete financial report of the CRC after the CRC is completed. The report is sent to the Controller's office with a copy to the Regional Chairman.

3. The cost effectiveness of Region II's CRC should be scrutinized and alternate means of achieving the same aims examined before smaller chapters (less than 125 members) are buried in expenses.

It was noted that item # 1 above is false. Item was passed in Québec City and approved in Atlanta.

Carried.
Resolution # 5

Moved by Bob Morris, seconded by Herb Maybank, that the host chapter's CRC committee include the following year's host chapter's CRC chairman on their mailing list for the minutes of all meetings as they occur.

Background Information:

This motion will help to ensure the following:

1. The host chairman will be reasonably educated in the pitfalls before his budget is submitted for approval.

2. The host CRC committee chairman will be selected two years in advance.

3. The host chapter CRC committee chairman will have a continuous reminder that a budget is required one (1) year in advance of hosting the CRC.

Carried.

Resolution # 6

Moved by Bob Morris, seconded by Gary Blue, that the CRC Minutes from all previous Region II CRC Conferences be assembled into one binder and made readily available to the participants at a CRC Conference. This binder to be updated annually and to contain the final Report of Income, Expenses from each Conference.

Background Information:

1. Each year there are "regional" motions passed which affect the operation within the Region. However, with time, these motions get lost.

2. These minutes would assist chapters in the preparation of future motions to help guide ASHRAE to more effective approaches.

Defeated.

P.S. Motion was defeated on the basis that this is a Region II matter only and does not need Society approval to implement.

Resolution # 7

Moved by Bob Morris - 'ho seconder"as work is currently in progress, that Society headquarters recommend which publications, covers, literature, pamphlets, etc., are to be used on the Canadian ASHRAE display. Society headquarters shall be requested to continuously and automatically supply updated material according to their recommendations.

Background Information:

The effectiveness of the display is in direct proportion to the material displayed. Obsolete material destroys the purpose of the display.
Resolution # 8

- Moved by Jean P. Bedard, seconded by Andre Beaulieu, that Society provide financial assistance to translate into French the audio portion of the VCR tapes for research and energy management.

Carried.

Note: Bedard to provide an estimate of costs for this work so that Algie can table this information with the resolution.

Resolution # 9

- Whereas in 1957 at the second CRC of ASHRAE held in Winnipeg, Jacob Klassen, delegate from Ottawa Valley Chapter, and Dalton McIntyre delegate from Montreal Chapter did present a closing resolution, and whereas Francois L'Anglais was also there as delegate from Quebec Chapter and our Director Lloyd Algie was there as a member of the executive of Winnipeg Chapter and whereas all four are present here today but McIntyre and Klassen have not had anything better to do at this closing meeting, and whereas Toronto Chapter who hosted the first CRC of ASHRAE in Toronto in 1956 under the Ontario Chapter Banner, and whereas they are hosts again this year but not in Toronto, and whereas they provided a map for directions to their new location at Niagara-on-the-Lake which did not show the lake and which was difficult to decipher without another map of Eastern Ontario, and whereas Ontario street is identified three times on the QEW so that some guests become confused when they found themselves going when they should have been coming, and whereas spring was late in arriving, i.e. no blossoms so the Chapter had to provide top notch entertainment to attract attendees, and whereas the dollar dropped to such a low value that visitors were confused about where the decimal point was, and whereas a typo error disguised the name of the hotel by calling it Prince of Whales (WHALES) and whereas the walking tour did not wear out any shoes because it did not get off on the right foot.

Be it resolved that the attendees join together in giving a hearty vote of thanks to the Toronto Chapter for

thoroughness of the preparation

the suitability of the Site

the excellence of the program

the gastronomic quality of the food and

the fine caliber of the attendees.

Carried by a noisy handclap of approval.
Chairman Algie made concluding remarks.

Moved by Herb Maybank, seconded by Bob Morris that meeting be adjourned - 5:20 p.m.

Carried.

SIGNED
J. D. OVENS, Secretary

SIGNED
W. LLOYD ALGIE - Regional Chairman
CRC NIAGARA-ON-THE-LAKE
EDUCATION VICE CHAIRMAN REPORT TO CRC
THURSDAY MAY 17, 1984

At the end of the Washington annual meeting, I took over officially as Vice Chairman of Region II and participated in the Society Education Committee discussions at Atlanta in January. I attended the Terminology Committee meeting as the education committee liaison representative. I attended a Region II Vice Chairman's meeting in Montreal in September followed by a Montreal board and Chapter meeting. In January, while in Montreal for a Research Committee meeting, I again attended a Montreal Chapter meeting. In April, I was invited to speak at their regular meeting on Research and Education in ASHRAE.

1. Professional Development Seminars (PDS)

The marketing program has to be improved to increase attendance. Chapters are assigned a quota and when this is exceeded for a particular seminar or group of seminars, the Chapter is eligible for a refund of $50.00 for each additional member who attends. Each Vice Chairman received a copy of one of the courses to discuss at CRC's so that Chapter Chairmen would have a better idea of what it is that they are being asked to promote. It is to be noted that PDS Seminars qualify as Continuing Education Courses. Further, a promotional Telephone Committee is to be set up to cover a 250 mile radius from future PDS Seminars. Each working member of this Committee who is expected to spend 4 to 6 hours soliciting attendance, will be admitted to the seminar for a fee of $45.00.

2. ASHRAE Continuing Education Studies (ACES)

These modules, each of which upon completion, qualify for PAOE points, are not being used by the members to the extent that the costs are covered. Each Chapter Education Chairman is being asked to make a concerted effort to promote these to the Chapter members. I have a copy of one of these modules for discussion purposes at this CRC. Also, application forms similar to those in the ASHRAE Journal have recently been made available.

3. Continuing Education Planning

The sub-committee report recommended that the committee needs to restructure its goals to better meet the needs of ASHRAE members and an action committee was set up to study this. This is to be a topic for discussion at the Education Workshop at this CRC.

4. Education Handbook for Chapter Operation

The sub-committee has produced a general revision that will not necessitate changing it every year to match changes in the PAOE Point Schedule. This should be made available shortly.
5. **PAOE for Education**

Modifications requested by this sub-committee were partially accepted, accounting for the revisions made last November. There is strong pressure to delete PAOE points for Student Branches because many Chapters do not have colleges giving courses that would permit a student branch to be formed. One suggestion is to permit a branch to be formed encompassing all the schools within the Chapter's jurisdiction.

6. **Student Paper Competition**

The recommended schedule has been adopted with a June 15 deadline. Posters have recently been made available. Although they would seem to be too late for this year, the Chapter Chairmen are being asked to follow-up with their liaison personnel.

7. **Student Affairs**

A report was prepared based on a survey conducted last fall. Copies of the summary of this report are available for anyone who may wish it.

8. **Audio-Visual Aids**

The brochure "Your Future in the Industry" is to be reprinted and "Careers Unlimited" is to be reviewed to determine if it should be continued.

9. **Student Member**

Reference to credit hours are deleted from the qualifications for Student Membership.

10. **Faculty Liaison**

The definition has been modified to include ASHRAE members from Industry who teach HVAC & R classes on a regular basis at a qualified institution.

11. **Chapter Programming**

One of the items we are being asked is to develop a program to assist Chapters to improve the quality of Chapter programming.

12. **Chapter Services to Student Branches**

We are also asked to develop such services to maintain student branch enthusiasm, increase student membership, and increase the number of branches by 10%.

Respectfully submitted,
Dalton J. McIntyre