

1984

Toronto.

Loc. Niagara

no awards

ASHRAE SOCIETY OFFICERS & VISITORS/  
EXÉCUTIF DE LA SOCIÉTÉ ET  
LES VISITEURS DE SON ORGANIZATION

Richard P. Perry	President / <i>Président</i>
Robert O. McDonald	President-elect / <i>Président-élu</i>
Donald R. Bahnfleth	Vice-President / <i>Vice-Président</i>
Frederick H. Kohloss	Vice-President / <i>Vice-Président</i>
H.E. (Barney) Burroughs	Treasurer / <i>Trésurier</i>
Andrew T. Boggs	Executive Vice-President/ <i>Vice-Président Exécutif</i>
Frank Coda	Executive Director & Secretary <i>Directeur-Exécutif et Secrétaire</i>
Doris Flandorffer	Assistant to Executive Vice-President/ <i>Assistante au Vice-Président Exécutif</i>

REGION II OFFICERS/  
EXÉCUTIF DE LA REGION II

W. Lloyd Algie	Chairman / <i>Président</i>
Dalton J. McIntyre	Education / <i>Éducation</i>
Gilles Rheault	Energy Management/ <i>Gestion de l'énergie</i>
Gary R. Brown	Membership / <i>Recrutement</i>
Dennis J. Banning	Research Promotion/ <i>Fond de recherche</i>
George F. Carscallen	Nominating Committee Delegate/ <i>Délégué du comité de nomination</i>
Phillip B. Landray	Nominating Committee Alternate/ <i>Substitut au comité de nomination</i>

TORONTO CHAPTER OFFICERS 1983-1984/  
EXÉCUTIF DU CHAPITRE DE TORONTO  
1983-1984

G. G. Hughson	President / <i>Président</i>
H. A. G. Maybank	President-Elect / <i>Président-élu</i>
H. R. Bach	Vice-President / <i>Vice-Président</i>
C. L. Thompson	Secretary / <i>Secrétaire</i>
R. F. Nash	Treasurer / <i>Trésorier</i>
W. H. Chadwick	Past President/ <i>Président-Précédent</i>

BOARD OF GOVERNORS/  
ADMINISTRATEURS

R. F. Chaffey	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 / <i>Délégué</i>
André Beaulieu	Alternate / <i>Substitut</i>
HAMILTON	
Robert J. Morris	Delegate / <i>Délégué</i>
Ray Jacobs	Alternate / <i>Substitut</i>
HALIFAX	
Gerard M. Doyle	Delegate / <i>Délégué</i>
Laurie R. Conrad	Alternate / <i>Substitut</i>
MONTRÉAL	
Jean P. Bédard	Delegate / <i>Délégué</i>
F. Krumreich	Alternate / <i>Substitut</i>
NEW BRUNSWICK	
Gary Blue	Delegate / <i>Délégué</i>
Robin Craig	Alternate / <i>Substitut</i>
OTTAWA VALLEY	
Frank Vaculik	Delegate / <i>Délégué</i>
Gabriel P. Laszlo	Alternate / <i>Substitut</i>
TORONTO	
Herbert A. G. Maybank	Delegate / <i>Délégué</i>
H. Robert Bach	Alternate / <i>Substitut</i>
LONDON-CANADA	
Walter P. Lucas	Delegaet / <i>Délégué</i>
Ronald E. Granger	Alternate / <i>Substitut</i>
SAGUENAY-LAC ST-JEAN	
Jean-Roch Gagnon	Delegate / <i>Délégué</i>
Yvan Bédard	Alternate / <i>Substitut</i>
WINDSOR	
Frank J. Pelisek	Delegate / <i>Délégué</i>
Frank Benedet	Alternate / <i>Substitut</i>

CONFERENCE COMMITTEE/  
COMITÉ DU CONGRES

Orvil Davie	Chairman / <i>Président</i>
Jim Ovens	Secretary / <i>Secrétaire</i>
Bill Chadwick	Finance / <i>Trésorier</i>
George Hughson	Accommodation / <i>Logement</i>
Jim Ovens	Technical program/ <i>Session technique</i>
Phil Landray	Reception / <i>Réception</i>
Howard Wheatley	Publicity / <i>Publicité</i>
Tom Kilmer	Entertainment / <i>Divertissement</i>
Norm Johnson	Spouses program / <i>Programme des épouses</i>
John Gallagher	Transportation / <i>Transport</i>



GENERAL INFORMATION/  
RENSEIGNEMENTS GÉNÉRAUX

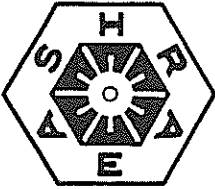
Registration fees / <i>Droits d'inscription</i>	
Delegates-Alternates / <i>Délégués-Substituts</i>	\$75.00
(after May 1 / <i>après 1 Mai</i> \$85.00)	
Includes	
Cocktail reception	<i>Comprenant</i>
Breakfast on Thursday & Friday	<i>Cocktail de bienvenue</i>
Luncheons on Thursday and Friday	<i>Petit déjeuner du jeudi et vendredi</i>
Special dinner on Thursday	<i>Déjeuner du jeudi et vendredi</i>
Entertainment	<i>Soirée sociale du jeudi soir</i>
Spouses / <i>Épouses</i>	<i>Spectacle</i>
(after May 1 / <i>après 1 Mai</i> \$65.00)	

Includes	
Cocktail reception	<i>Comprenant</i>
President's luncheon-Friday	<i>Cocktail de bienvenue</i>
Sightseeing Tour of Niagara Falls -Thursday	<i>Déjeuner du Président - vendredi</i>
Walking tour -Friday	<i>Tour de</i>
Dinner -Thursday	<i>Niagara Falls -jeudi</i>
Entertainment -Thursday	<i>Promenade -vendredi</i>
SEPARATE TICKETS / <i>BILLETS INDIVIDUELS</i>	
Thursday breakfast	<i>Petit Déjeuner du jeudi</i>
Thursday luncheon	<i>Déjeuner du jeudi</i>
Friday breakfast	<i>Petit déjeuner du vendredi</i>
President's luncheon	<i>Déjeuner du Président</i>
Thursday evening social event	<i>Soirée sociale du jeudi soir</i>

Thursday breakfast	<i>Petit Déjeuner du jeudi</i>	\$ 9.00
Thursday luncheon	<i>Déjeuner du jeudi</i>	\$15.00
Friday breakfast	<i>Petit déjeuner du vendredi</i>	\$ 9.00
President's luncheon	<i>Déjeuner du Président</i>	\$15.00
Thursday evening social event	<i>Soirée sociale du jeudi soir</i>	\$40.00

ASHRAE  
REGION II  
27th ANNUAL  
CHAPTERS  
REGIONAL CONFERENCE

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



MAY 16, 17, 18, 1984  
PRINCE OF WALES HOTEL  
6 PICTON STREET  
NIAGARA-ON-THE-LAKE  
ONTARIO, CANADA

Host Chairman,  
Toronto CRC/84  
ORVIL L. DAVIE, P. Eng.

# PROGRAM OF EVENTS / PROGRAMME DES ACTIVITÉS

## REGION II

### CHAPTERS REGIONAL CONFERENCE/ CONGRES RÉGIONAL DES CHAPITRES

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

11 a.m. to 5 p.m. Vikki's Room	Registration/ <i>Inscription</i>
2 p.m. to 2:30 p.m. Victoria & Albert Room	Familiarization meeting. Open to all. <i>Réunion d'introduction des officiers de la société et de la région II. Pour tous.</i>
2:30 to 5 p.m. Victoria & Albert Room	Caucus/Caucus Delegates, alternates and nominating committee only. <i>Délegués, substitués, et comité de nomination seulement.</i>
2:30 to 5 p.m. Library	President's Levee. Open to all. <i>Reception du Président. Pour tous.</i>
5:15 to 6:15 p.m. Victoria & Albert Room	First Business Meeting. Open to all. <i>Première réunion d'affaires. Pour tous.</i>
7:15 to 8:15 p.m. Rooftop Suite	Cocktail reception/ <i>cocktail de bienvenue</i>  Dinner at a restaurant of your choice. <i>Dîner libre à un restaurant de votre choix.</i>
Hospitality room open. <i>Bienvenue à la suite hospitalité.</i>	

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

9 a.m. to 2 p.m. Rooftop Suite	Registration/ <i>Inscription</i>
7 a.m. to 9 a.m. Victoria & Albert Room	Breakfast/ <i>Petit déjeuner</i> Open to all. <i>Pour tous.</i>
9 a.m. to 10:30 a.m. Victoria & Albert Room	Second business meeting. Open to all. <i>Deuxième réunion d'affaires. Pour tous.</i>
Historical Anecdotes by John Fox. <i>Anecdotes Historique par John Fox.</i>	

10:30 a.m. to 10:45 a.m. Foyer	Coffee Break/ <i>Pause café</i>
10:45 a.m. to 11:45 a.m. Victoria & Albert Room	Second business meeting. <i>Deuxième réunion d'affaires.</i>
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. <i>Dejeuner — Mot de bienvenue du Président du Chapitre G. G. Hughson. Pour tous.</i>
2 p.m. to 3:30 p.m. Victoria & Albert Room	Technical Session. Open to all. <i>Seance d'étude technique. Pour tous.</i>
3:30 p.m. to 3:45 p.m. Foyer	Coffee Break/ <i>Pause café</i>
3:45 p.m. to 5:45 p.m. Library	Chapter Training Sessions. Open to all. <i>Atelier traitant du fonctionnement des chapitres. Pour tous.</i>
Victoria Room	Education/Education
Albert Room	Energy/Energie
Library	Membership/Recrutement
Victoria & Albert Room	Research/Recherche
6:30 p.m. to 7:30 p.m. Foyer	Cocktail Party/ <i>Cocktail de bienvenue.</i>
7:30 p.m. to 9 p.m. Victoria & Albert Room	Dinner/ <i>Dîner</i>
9:30 p.m. to 11:30 p.m. Vikki's Room	Entertainment/ <i>Spectacle</i> "Acme Harpoon Co."

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

9 a.m. to 12 noon Rooftop Suite	Registration/ <i>Inscription</i>
7 a.m. to 8:30 a.m.	Breakfast. Open to all. <i>Dejeuner. Pour tous.</i>
9 a.m. to 10:30 a.m.	Committee Training Sessions. Open to all. <i>Atelier traitant du fonctionnement des chapitres. Pour tous.</i>
Library	Education/Education
Victoria Room	Energy/Energie
Albert Room	Membership/Recrutement
Study	Research/Recherche
10:30 a.m. to 10:45 a.m.	Coffee Break/ <i>Pause café</i>
10:45 a.m. to 12 noon	Committee Training Sessions. Open to all. <i>Atelier traitant du fonctionnement des chapitres. Pour tous.</i>
12 noon	Cash bar/Aperitif
12:30 p.m. to 2 p.m. Victoria & Albert Room	President's Awards luncheon/ <i>Déjeuner du Président.</i> Speaker/Conférencier Robert O. (Bob) McDonald.
2:15 p.m. to 4:30 p.m. Victoria & Albert Room	Resolutions & official closing. Open to all. <i>Délibérations et mot de la fin. Pour tous.</i>  Anecdotes/Anecdotes by/par François L'Anglais Chairman, Region II Government Affairs Committee
4:30 p.m.	Departure/Départ

### SPOUSES ACTIVITIES/ ACTIVITÉS DES ÉPOUSES

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

11:00 a.m. to 5:00 p.m.	Registration/ <i>Inscription</i>
2 p.m. to 2:30 p.m. Vikki's Room	Social gathering/ <i>Rencontre amicale</i>
7:15 p.m. to 8:15 p.m. Rooftop Suite	Cocktail reception/ <i>Cocktail bienvenue</i>

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

10:00 a.m.	Sightseeing bus tour of Niagara Falls. <i>Tour de Niagara Falls touristique.</i>
	Lunch at Queenston Heights. <i>Dejeuner à Queenston Heights.</i>
2:00 p.m. to 2:30 p.m.	Winery tour/ <i>Tour de la cave du vin.</i>
3:00 p.m.	Return/Fin
7:30 p.m. to 9:00 p.m. Victoria & Albert Room	Dinner/ <i>Dîner</i>
8:30 p.m. to 1:30 p.m. Vikki's Room	Entertainment/ <i>Spectacle</i> "Acme Harpoon Co."

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

9:15 a.m. to 12:00 noon	Walking tour/ <i>Promenade</i>
12:30 p.m. to 2:00 p.m. Victoria & Albert Room	President's Awards luncheon. <i>Déjeuner du Président.</i>

**ASHRAE SOCIETY OFFICERS & VISITORS/  
EXÉCUTIF DE LA SOCIÉTÉ ET  
LES VISITEURS DE SON ORGANIZATION**

Richard P. Perry	President / <i>Président</i>
Robert O. McDonald	President-elect / <i>Président-élu</i>
Donald R. Bahnfleth	Vice-President / <i>Vice-Président</i>
Frederick H. Kohloss	Vice-President / <i>Vice-Président</i>
H.E. (Barney) Burroughs	Treasurer / <i>Trésurier</i>
Andrew T. Boggs	Executive Vice-President/ <i>Vice-Président Exécutif</i>
Frank Coda	Executive Director & Secretary <i>Directeur-Exécutif et Secrétaire</i>
Doris Flandorffer	Assistant to Executive Vice-President/ <i>Assistante au Vice-Président Exécutif</i>

**REGION II OFFICERS/  
EXÉCUTIF DE LA REGION II**

W. Lloyd Algie	Chairman / <i>Président</i>
Dalton J. McIntyre	Education / <i>Éducation</i>
Gilles Rheault	Energy Management/ <i>Gestion de l'énergie</i>
Gary R. Brown	Membership / <i>Recrutement</i>
Dennis J. Banning	Research Promotion/ <i>Fond de recherche</i>
George F. Carscallen	Nominating Committee Delegate/ <i>Délégué du comité de nomination</i>
Phillip B. Landray	Nominating Committee Alternate/ <i>Substitut au comité de nomination</i>

**TORONTO CHAPTER OFFICERS 1983-1984/  
EXÉCUTIF DU CHAPITRE DE TORONTO  
1983-1984**

G. G. Hughson	President / <i>Président</i>
H. A. G. Maybank	President-Elect / <i>Président-élu</i>
H. R. Bach	Vice-President / <i>Vice-Président</i>
C. L. Thompson	Secretary / <i>Secrétaire</i>
R. F. Nash	Treasurer / <i>Trésorier</i>
W. H. Chadwick	Past President/ <i>Président-Précédent</i>

**BOARD OF GOVERNORS/  
ADMINISTRATEURS**

R. F. Chaffey	J. D. Ovens
D. Heins	D. Struthers
T. W. Kilmer	E. H. Wheatley

**DELEGATES AND ALTERNATES/  
DÉLÉGUÉS ET SUBSTITUTS**

<b>VILLE DE QUÉBEC</b>	
Michel Boulanger	Delegate / <i>Délégué</i>
André Beaulieu	Alternate / <i>Substitut</i>
<b>HAMILTON</b>	
Robert J. Morris	Delegate / <i>Délégué</i>
Ray Jacobs	Alternate / <i>Substitut</i>
<b>HALIFAX</b>	
Gerard M. Doyle	Delegate / <i>Délégué</i>
Laurie R. Conrad	Alternate / <i>Substitut</i>
<b>MONTREAL</b>	
Jean P. Bédard	Delegate / <i>Délégué</i>
F. Krumreich	Alternate / <i>Substitut</i>
<b>NEW BRUNSWICK</b>	
Gary Blue	Delegate / <i>Délégué</i>
Robin Craig	Alternate / <i>Substitut</i>
<b>OTTAWA VALLEY</b>	
Frank Vaculik	Delegate / <i>Délégué</i>
Gabriel P. Laszlo	Alternate / <i>Substitut</i>
<b>TORONTO</b>	
Herbert A. G. Maybank	Delegate / <i>Délégué</i>
H. Robert Bach	Alternate / <i>Substitut</i>
<b>LONDON-CANADA</b>	
Walter P. Lucas	Delegaet / <i>Délégué</i>
Ronald E. Granger	Alternate / <i>Substitut</i>
<b>SAGUENAY-LAC ST-JEAN</b>	
Jean-Roch Gagnon	Delegate / <i>Délégué</i>
Yvan Bédard	Alternate / <i>Substitut</i>
<b>WINDSOR</b>	
Frank J. Pelisek	Delegate / <i>Délégué</i>
Mark Benedet	Alternate / <i>Substitut</i>

**CONFERENCE COMMITTEE/  
COMITÉ DU CONGRES**

Orvil Davie	Chairman / <i>Président</i>
Jim Ovens	Secretary / <i>Secrétaire</i>
Bill Chadwick	Finance / <i>Trésorier</i>
George Hughson	Accommodation / <i>Logement</i>
Jim Ovens	Technical program / <i>Session technique</i>
Phil Landray	Reception / <i>Réception</i>
Howard Wheatley	Publicity / <i>Publicité</i>
Tom Kilmer	Entertainment / <i>Divertissement</i>
Norm Johnson	Spouses program / <i>Programme des épouses</i>
John Gallagher	Transportation / <i>Transport</i>



**GENERAL INFORMATION/  
RENSEIGNEMENTS GÉNÉRAUX**

Registration fees / *Droits d'inscription*  
Delegates-Alternates / *Délégués-Substituts* \$75.00  
(after May 1 / *après 1 Mai* \$85.00)

<b>Includes</b>	<b>Comprenant</b>
Cocktail reception	<i>Cocktail de bienvenue</i>
Breakfast on Thursday & Friday	<i>Petit déjeuner du jeudi et vendredi</i>
Luncheons on Thursday and Friday	<i>Déjeuner du jeudi et vendredi</i>
Special dinner on Thursday	<i>Soirée sociale du jeudi soir</i>
Entertainment	<i>Spectacle</i>

Spouses / *Épouses* \$55.00  
(after May 1 / *après 1 Mai* \$65.00)

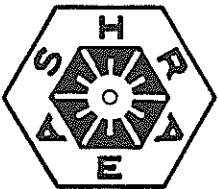
<b>Includes</b>	<b>Comprenant</b>
Cocktail reception	<i>Cocktail de bienvenue</i>
President's luncheon-Friday	<i>Déjeuner du Président - vendredi</i>
Sightseeing Tour of Niagara Falls-Thursdays	<i>Tour de Niagara Falls -jeudi</i>
Walking tour -Friday	<i>Promenade -vendredi</i>
Dinner -Thursday	<i>Soirée sociale du jeudi soir</i>
Entertainment -Thursday	<i>Spectacle -jeudi</i>

**SEPARATE TICKETS / BILLETS INDIVIDUELS**

Thursday breakfast	<i>Petit Déjeuner du jeudi</i>	\$ 9.00
Thursday luncheon	<i>Déjeuner du jeudi</i>	\$15.00
Friday breakfast	<i>Petit déjeuner du vendredi</i>	\$ 9.00
President's luncheon	<i>Déjeuner du Président</i>	\$15.00
Thursday evening social event	<i>Soirée sociale du jeudi soir</i>	\$40.00

**ASHRAE  
REGION II  
27th ANNUAL  
CHAPTERS  
REGIONAL CONFERENCE**

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



MAY 16, 17, 18, 1984  
**PRINCE OF WALES HOTEL**  
6 PICTON STREET  
NIAGARA-ON-THE-LAKE  
ONTARIO, CANADA

Host Chairman,  
Toronto CRC/84  
ORVIL L. DAVIE, P. Eng.

# PROGRAM OF EVENTS / PROGRAMME DES ACTIVITÉS

## REGION II CHAPTERS REGIONAL CONFERENCE/ CONGRES RÉGIONAL DES CHAPITRES WEDNESDAY, MERCREDI, May 16, 1984

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

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

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

2:30 to 5 p.m. President's Levee. Open to all.  
Library *Reception du Président. Pour tous.*

5:15 to 6:15 p.m. First Business Meeting. Open to all.  
Victoria & Albert Room *Première réunion d'affaires. Pour tous.*

7:15 to 8:15 p.m. Cocktail reception/  
Rooftop Suite *cocktail de bienvenue*

Dinner at a restaurant of your choice.  
*Dîner libre à un restaurant de votre choix.*

hospitality room open.  
*Bienvenue à la suite hospitalité.*

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

9 a.m. to 2 p.m. Registration/  
Rooftop Suite *Inscription*

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

9 a.m. to 10:30 a.m. Second business meeting.  
Victoria & Albert Room *Open to all./*  
*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/  
Foyer *Pause café*

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

12 noon Cash bar/Aperitif

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

2 p.m. to 3:30 p.m. Technical Session. Open to all.  
Victoria & Albert Room *Seance d'étude technique. Pour tous.*

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

3:45 p.m. to 5:45 p.m. Chapter Training Sessions. Open to all.  
Library *Atelier traitant du fonctionnement des chapitres. Pour tous.*

Victoria Room Education/Education

Albert Room Energy/Energie

Study Membership/Recrutement

6:30 p.m. to 7:30 p.m. Cocktail Party/  
Foyer *Cocktail de bienvenue.*

7:30 p.m. to 9 p.m. Dinner/  
Victoria & Albert Room *Dîner*

9:30 p.m. to 11:30 p.m. Entertainment/  
Vikki's Room *Spectacle*  
"Acme Harpoon Co."

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

9 a.m. to 12 noon Registration/  
Rooftop Suite *Inscription*

7 a.m. to 8:30 a.m. Breakfast. Open to all.  
*Dejeuner. Pour tous.*

9 a.m. to 10:30 a.m. Committee Training Sessions. Open to all.  
*Atelier traitant du fonctionnement des chapitres. Pour tous.*

Library Education/Education

Victoria Room Energy/Energie

Albert Room Membership/Recrutement

Study Research/Recherche

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

10:45 a.m. to 12 noon Committee Training Sessions. Open to all.  
*Atelier traitant du fonctionnement des chapitres. Pour tous.*

12 noon Cash bar/Aperitif

12:30 p.m. to 2 p.m. President's Awards luncheon./  
Victoria & Albert Room *Dejeuner du Président. Speaker/Conférencier*  
Robert O. (Bob) McDonald.

2:15 p.m. to 4:30 p.m. Resolutions & official closing. Open to all.  
Victoria & Albert Room *Deliberations et mot de la fin. Pour tous.*

Anecdotes/Anecdotes  
by/par  
François L'Anglais  
Chairman, Region II  
Government Affairs Committee

4:30 p.m. Departure/Départ

## SPOUSES ACTIVITIES/ ACTIVITÉS DES ÉPOUSES WEDNESDAY, MERCREDI, May 16, 1984

11:00 a.m. to 5:00 p.m. Registration/  
*Inscription*

2 p.m. to 2:30 p.m. Social gathering/  
Vikki's Room *Rencontre amicale*

7:15 p.m. to 8:15 p.m. Cocktail reception/  
Rooftop Suite *Cocktail bienvenue*

## THURSDAY, JEUDI, May 17, 1984

10:00 a.m. Sightseeing bus tour of Niagara Falls./  
*Tour de Niagara Falls touristique.*

Lunch at Queenston Heights./  
*Dejeuner à Queenston Heights.*

2:00 p.m. to 2:30 p.m. Winery tour./  
*Tour de la cave du vin.*

3:00 p.m. Return/Fin

7:30 p.m. to 9:00 p.m. Dinner/  
Victoria & Albert Room *Dîner*

9:30 p.m. to 11:30 p.m. Entertainment/  
Vikki's Room *Spectacle*  
"Acme Harpoon Co."

## FRIDAY, VENDREDI, May 18, 1984

9:15 a.m. to 12:00 noon Walking tour/  
*Promenade*

12:30 p.m. to 2:00 p.m. President's Awards luncheon./  
Victoria & Albert Room *Dejeuner du Président.*

AMERICAN SOCIETY OF HEATING, REFRIGERATING  
AND AIR CONDITIONING ENGINEERS  
TORONTO CHAPTER

MINUTES

27TH CHAPTERS REGIONAL CONFERENCE

REGION II

May 16 - 18, 1984

Prince of Wales Hotel

Niagara-on-the-Lake

Ontario, Canada

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CHAPTER REGIONAL CONFERENCE, REGION II

TORONTO CHAPTER, MAY 16 - 18, 1984

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

<u>CHAPTER</u>	<u>DELEGATE</u>	<u>ALTERNATE</u>
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<br>- John Tuck                                     |
| Ottawa Valley | - Ray Young<br>- John Lunde   |
| Windsor       | - Chris Hales   |
| Montreal      | - Mal Turaga<br>- Judith Lewis                                      |
| Toronto       | - John Fox<br>- Bill Chadwick<br>- Norm Johnson<br>- 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 McKee       |
|               | - 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 98% 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 Algie

- Chairman Algie 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 Algie 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
- 25th year celebrations. Dec. 10, 1984. Royal Yacht Club, Past Presidents and Ladies Night.
- 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.
  - 50th anniversary 1985.
- New Brunswick - Blue
  - Average year
  - Successful IES showcase in St. Johns.
  - Excellent speakers.
- Chairman Algie 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

- *that*  
~~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

(2)

- 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

(3)

- 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 - "no 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

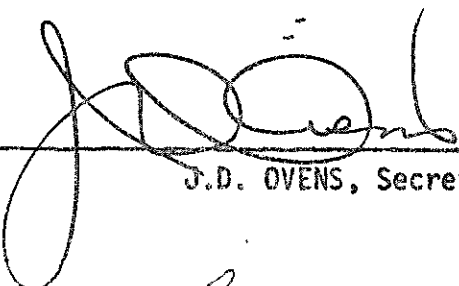
the gastronomic quality of the food and

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.


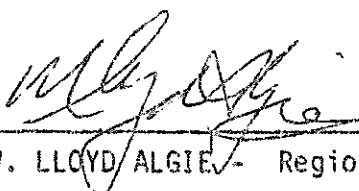
SIGNED



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J.D. OVENS, Secretary

SIGNED



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W. LLOYD ALGIE - Regional Chairman



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

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

Telephone 404-636-8400

May 14, 1984

## 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 Chariman 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

