



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

LONDON CANADA CHAPTER / 521 COLBORNE ST. / LONDON, ONTARIO N6B 2T6

September 4, 1988

Subject: September Board of Governors Meeting

I would appreciate your attendance at the first Board of Governors meeting on September 13, 1988 at 4:30 PM. The meeting will take place in the Board Room at the Highland.

I have attached a meeting agenda for your convenience.

Since I will be out of town for the week of September 6, if you have any problems, or any items to add to the agenda, you may call my home at 681-7142.

Thank you for your assistance,

Charles Clemance
President, London Canada Chapter



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

1791 Tullie Circle, NE • Atlanta, Georgia 30329 ☎ 404-636-8400 • Tlx 705343 ASHRAE • Fax 404-321-5478

Darryl K. Boyce
Vice Chairman, Region II
Education & Chapter Programs

Reply to: University of Western Ontario
Physical Plant Department
Services Building, Room 2
London, Ontario, Canada
N6A 5B9
☎ 519-661-3301
Fax 519-661-2174

1988 11 23

TO: Chapter Education and Chapter Program Chairpersons
Chapter Presidents

SUBJECT: EDUCATION AND CHAPTER PROGRAM ACTIVITIES

I have included a copy of the Presidential Newsletter, pages 1 through 6, which outlines the PAOE criteria and a copy of the report form which is to be returned by the dates listed below:

December 15
February 15
March 15
April 15
May 15

I have also included a copy of the Region II Education and Chapter Programs goals for your information. I would like to receive a copy of your Chapter goals with the December PAOE report.

For your information I have included PAOE summaries for the past three years and a list which recognizes the three top rated Region II Education and Chapter Programs committees.

I would like to give special emphasis to the Student Awards Program which was instituted last year as it will require immediate attention. There were ten entries last year across the society but not a single project was submitted from Canada. The goal that I have set for Region II of five entries is reasonable but I will require assistance from each of you to accomplish this.

If you require any additional information or assistance please feel free to contact me by phone or through the FAX number which are listed above.

c.c. Regional Chairman
Regional Vice-chairman



Presidential Newsletter

September 1, 1988

TO:

Chapter Presidents
ASHRAE Membership Promotion Committee
ASHRAE Research Promotion Committee
ASHRAE Education & Chapter Programs Committee
ASHRAE Energy & Technical Affairs Committee
ASHRAE Refrigeration Committee
Board of Directors

SUBJECT:

1988/89 PRESIDENTIAL AWARD OF EXCELLENCE (PAOE)

PAOE has been a key measurement of chapter performance since its inception in 70-71. It was originally viewed mostly as a motivating tool. Assigning more points to a particular category was intended to beef up the performance in that category. As time marched on most pressures pointed toward the desire for balanced scoring - balanced by category and balanced by chapter regardless of size. In the process some of the motivational aspects were lost or perhaps forgotten.

In line with my "communications" theme, I make no bones about it. I want to motivate the chapters to greater heights in both Membership Promotion and Research Promotion. Therefore, I have changed the formula in those two categories. I have tried to keep it "fair" in the process of so doing.

Major changes are noted at the end of each category. This year, to keep it simple, I have reduced the "bonus" opportunities to those fundamental situations that just cannot be adequately recognized by the basic formula. The 2400 point total with 400 points per category par remain unchanged, but a category minimum has been set at 200 points. Newly chartered chapters will now have the option of getting into the program in either their first or second full program year of operations.

Once again you are reminded that the basic objective of PAOE is to help keep ASHRAE a vibrant and highly successful Technical Society. If we all select our MBOs with that in mind and then follow through to accomplish those MBOs, I am certain that the PAOE points will prove the results. Then we can all be proud of achieving PAOE awards and, most importantly of all, we will be proud of a job well done.

Have a great year!

Louis F. Flagg
President

1988/89 PAOE

Award Information

Regular	(Red Emblem) Chapters who earn the PAOE for the current year. Minimum is 2400 points. Category minimums of 200 points.
Honor Roll	(Silver Emblem) Chapters who have earned the PAOE for at least four consecutive years.
Premier	(Gold Emblem) Chapters who have earned the PAOE every year since the award was originated, or every year since the Chapter's inception (after 1970), with a minimum of four years.
Star Award	Chapters winning the PAOE and reaching par in all categories.
Special Citation	Chapters who qualify for PAOE and obtain 1½ times the minimum goal (total 3600 points) and obtain par in five of the six categories.

Reporting Procedures

The PAOE report will be distributed to Chapter Presidents, Chapter Secretaries, the Society Membership Promotion, Research Promotion, Education and Chapter Programs, Energy and Technical Affairs, and Refrigeration Committees and the Board of Directors on the following schedule:

November	— Reflecting October 31 results
January	— Reflecting December 31 results
March	— Reflecting February 28 results
April	— Reflecting March 31 results
May	— Reflecting April 30 results
June	— Reflecting May 31 results
July	— FINAL REPORT

Bonuses will be reported in April, May, June and July only.

The following individuals are responsible for submitting figures to Carolyn Stewart, Director of Education and Member Services, at ASHRAE Headquarters in Atlanta with copies to your Regional Chairman, by the following dates:

October 31, December 31, February 28,
March 31, April 30, May 31 and June 30

Membership Growth — These figures will be compiled by HEADQUARTERS.

Meeting Attendance — Each CHAPTER must submit to Headquarters copies of their monthly Chapter meeting minutes, reflecting the number in attendance at all official Chapter meetings. All meetings having opportunity for technical enrichment will be included in attendance.

Research Promotion — Figures will be compiled by HEADQUARTERS.

CRC Attendance — REGIONAL CHAIRMEN must advise Headquarters of these figures immediately after their CRC's have been held.

Education & Chapter Programs, Energy & Technical Affairs — REGIONAL VICE CHAIRMEN must supply Headquarters with these figures for their respective Chapters.

FOLLOW-UP FOR INFORMATION WILL BE MADE THROUGH YOUR REGIONAL CHAIRMAN ONLY.

CRITERIA

Membership Promotion Activities

PAR = 400 Points
MAXIMUM = No Limit
MINIMUM = 200 Points

Membership Growth will be based on the net membership increase from July 1, 1988 to June 30, 1989. The President's goal will be 5% net membership growth. New member growth is based on completed, paid memberships processed by the June 1989 election. (Note: All applications must be at Headquarters by April 15, 1989 to be processed for the June election deadline.) Transfers in, transfers out, and deceased members will not count for or against growth. Delinquents and resignations will count against growth. Advancements will continue to be a part of the PAOE this year. The President's goal for advancement is 3%.

The formula for membership net growth is as follows:

$$P_m = 200\sqrt{\frac{G}{.1M_a}} + 200\left(\frac{.05M_a}{U}\right) + 100\sqrt{\frac{A}{.03M_a}} + 25\sqrt{SMG}$$

Where: G = New membership growth as indicated by area assigned member count.
M_a = Area assigned members
A = Advancements
U = Unpaid Members (Minimum U is equal to .01 M_a)
SMG = Student Membership Growth

Bonus Points

- If membership is held constant, ie: no net loss or gain: 50 pts.
- For having a special Membership Promotion Chapter Meeting: 50 pts.

Note: The Membership Promotion formula has been changed to reward new member growth separate from the retention of members. The advancement portion of the formula has not been changed. The increase in Student Members is recognized as part of the Membership Promotion formula.

Meeting Attendance

PAR = 400 Points
MAXIMUM = No Limit
MINIMUM = 200 Points

Attendance figures will be based on all Chapter Meetings having opportunity for technical enhancement including remote Section meetings, multiple Chapter Meetings in one month, joint meetings with allied technical societies, seminars and expositions. Attendance figures must be reported in official chapter minutes. No social events will count. The Society goal is to have approximately 10,000 monthly attendees at Chapter Meetings.

The formula for Meeting Attendance is as follows:

$$P_a = 400\sqrt{\frac{A}{.12M_a + 18}}$$

Where: A = Average Regular Chapter Attendance
M_a = Area Assigned Members

Bonus:

- For having regularly scheduled summer meetings: 50 pts.
- For having joint meetings with RSES, RETA, IAR, BOMA, AIA, SPE, MCA, SMACNA, ASPE, SWE, IES, or Other: 25 pts. ea.

CRC Attendance

PAR = 400 Points
 MAXIMUM = No Limit
 MINIMUM = 200 Points

The goal is for each chapter to be represented at the CRC by the Delegate and Alternate in attendance at all Caucus and Business Sessions; the incoming Chapter Committee Chairmen at the workshops for Education and Chapter Programs, Energy and Technical Affairs, Membership Promotion, Refrigeration and Research Promotion; plus attendance by as many chapter members as possible. A person may attend several sessions, but will be given points for only one.

The point scores for CRC Attendance are:

	Points
Delegate and Alternate	50 each
*Chapter Committee Chairmen	100 each
Other Chapter Officers or Board Members	40 each
All other Chapter Members (except Host Chapter)	35 each
If a Delegate or Alternate miss a caucus or business session	<100>
If a Chapter is not represented in a workshop	<50>

Bonus:

- Chapters with less than 150 Area Assigned Members (M_a) multiply points from table above by $\sqrt{150/M_a}$ to obtain total points.
- For each host Chapter: 200

*Chapter Committee Chairmen is defined as Membership Promotion, Education and Chapter Programs, Energy and Technical Affairs, Refrigeration and Research Promotion.
 Note penalty for non participation.

Research Promotion

PAR = 400 Points
 MAXIMUM = No Limit
 MINIMUM = 200 Points

The importance of research contributions to the Society's development of technology is emphasized. Individual chapter norms will be based on \$35 per member. Research investments by large contributions of \$1,000 or more are recognized in a bonus category. There are also bonus points for exceeding the total dollars more than the maximum contribution from the last five years.

The formula for Research Promotion is as follows:

$$P_r = 400 \frac{C_1}{35 M_a} + \frac{10 C_2}{M_a} + \frac{10 C_3}{M_a} + \frac{500 C_4}{M_a}$$

Where: M_a = Area Assigned Members
 C_1 = Total dollars contributed
 C_2 = Total dollars in \$1,000 or Larger Contributions
 C_3 = Total dollars more than the maximum contribution from the last five years.
 C_4 = Number of contributors \$35 and over

Note: The individual contributions have been revised from \$25 to \$35 and a category for points recognizing the number of contributions a chapter receives in excess of \$35 has been added.

Education and Chapter Program Activities

PAR = 400 Points

MAXIMUM = See each activity

MINIMUM = 200 Points

The Society goal is to emphasize the commitment to serve its members through programs of continuing education and to nurture the development of students educated to serve our industry. Increased emphasis is placed on ASHRAE's Professional Development Seminar programs, with a bonus for seminars whose primary content is Refrigeration Technology (This is refrigeration in *any* equipment, systems, applications, or fundamentals form).

The formula for Student Scholarships is as follows:

$$P_s = 50 \sqrt{\frac{D}{200} + N}$$

Where: D = Total dollars of all Scholarships
N = The number of scholarships given

The point scores for Educational Activities are as follows:

Activity	Points Determination	Points	Maximum
Student Branch	Each Existing Branch	25	
	Each New Branch	100	
Faculty Liaison	Each Liaison	25	50
Student Awards	Each Competition Held	50	100
Secondary Schools	Each Career Guidance contact*	10	70
Chapter Technical Session	a) Each Session hour**	25	200
	b) Each "Refrigeration" subject session	50	150
Chapter Programs	a) Each Usage of Society prepared Chapter Program	25	100
	b) Each Program featuring Refrigeration technology	50	150
Continuing Education (Non ASHRAE)	a) 0.1-1.9% of assigned members	100	
	b) 2.0-3.9% of assigned members	150	
	c) 4.0% & over members	200	
PDS (ASHRAE)	a) 0.1-1.9% of assigned members	100	
	b) 2.0-3.9% of assigned members	150	
	c) 4.0% & over members	200	
Student Scholarships	Awards Conferred (see formula)		

*This is intended to be a one on one contact. In the event that a presentation is made to a group a maximum of 30 points per group is allowed.

**Full technical session (maximum length 1-3 hours) prior to or in conjunction with Chapter meeting.

Note: A formula to determine points for student scholarships has been added.

Energy & Technical Affairs Activities

PAR = 400 Points

MAXIMUM = See each activity

MINIMUM = 200 Points

ASHRAE's social responsibility is emphasized by continuing to publicize improvements in energy utilization through the Energy Awards program, Energy Seminars and Energy Talks. All legislative testimony and governmental appointments as a technical resource for intelligent government action on any issues of technology in ASHRAE's field will be recognized.

Chapter/Government liaison continues to emphasize the technical support mission of the Energy & Technical Affairs Committee working with the Society's Government Affairs Committee. Meeting with city, state or provincial officials to ascertain technical needs or to provide a service to them will be considered a liaison.

There is increased emphasis on technical paper review and handbook review that has been continued. The peer review of ASHRAE's technical publications should add further quality and completeness of coverage of the ASHRAE literature.

The point scores for these technical support activities are:

Activity	Points Determination	Points	Maximum
Chapter Energy Competition	Each category with an entry	50	200
Energy Awards	a) Each chapter entry into Regional Competition	50	200
	b) Regional Award 1st Place	60	
	c) Society Award 1st Place	100	
	2nd Place	70	
	3rd Place	50	
Chapter Technical Seminars	Each 3 Hr. Session	100	300
Chapter Energy Talks to Professional or Business Groups*	Each Talk	50	150
Chapter Input to a Legislative Group	Each expert testimony or prepared statement	50	200
Appointments to Gov't Advisory Boards, Councils or Committees	Each Appointment	25	200
Chapter Liaison with state, provincial or local Gov't. official**	Each Liaison	25	200
Technical Paper & Handbook Peer Review	a) Circulate request for reviewers	50 ea.	200
	b) Supply headquarters with an organized reviewer group on a technical subject or a handbook chapter	50 ea.	200
	c) Each technical paper reviewed at Society request	100	200
	d) Each handbook chapter reviewed at Society request	200	400

*Professional or business groups are defined as 10 or more individuals.

**Chapter Liaison is defined as individual assigned to represent chapter as liaison to specific group during year.

Area Assigned Members 1988-89 PAOE

Area Assigned members as of July 1, 1988 will be sent to the chapters for receipt around August 1, 1988. Student base numbers will be shown separately.

1988-89 Assigned Members

REGION I

<u>Chapter No.</u>	<u>Chapter Name</u>	<u>Numbers</u>	<u>Students</u>
01	Boston	852	60
02	Western Massachusetts	104	4
03	Rhode Island	140	2
04	Connecticut	467	8
06	Long Island	318	35
07	North Jersey	978	79
08	New York	955	150
09	Northeastern New York	221	37
010	Central New York	346	22
011	Rochester	406	29
012	Niagara Frontier	210	1
111	Champlain Valley	84	0
118	Maine	163	13
129	Twin Tiers	147	19
146	Bi-State	151	2
152	Granite State	124	1

1988-89 Assigned Members

REGION II

<u>Chapter No.</u>	<u>Chapter Name</u>	<u>Numbers</u>	<u>Students</u>
013	Quebec	155	47
014	Montreal	545	164
015	Ottawa Valley	370	12
016	Toronto	793	71
037	Hamilton	205	28
100	Halifax	202	1
116	London	100	23
117	New Brunswick	112	2
140	Saguenay-Lac St. Jean	40	37
141	Windsor	67	20
153	Mississauga	130	3

1988/89

EDUCATION AND CHAPTER PROGRAMS COMMITTEE REPORT
PRESIDENTIAL AWARD OF EXCELLANCE

NOTE: This form is to be updated for each reporting period and returned to the Regional Vice-Chairman by the dates listed below. KEEP THIS ORIGINAL FORM AND SEND AN UPDATED COPY ONLY.

Complete and return before:

OCT. 15 DEC. 15 FEB. 14 APRIL 15 MAY 15 JUNE 15

(Circle date for this reporting period).

Send to Regional Vice-Chairman,
Education and Chapter Programs
Darryl K. Boyce, P. Eng.

CHAPTER: _____
DATE: _____

The University of Western Ontario
Physical Plant Department
Room 2, Services Building
London, Ontario N6A 5B9

EDUCATION AND CHAPTER PROGRAM
COMMITTEE CHAIRMAN:

PHONE NO. (519) 661-3301 Ext. 8711

PHONE NO. () _____

FAX NO. (519) 661-2174

FAX NO. () _____

1. STUDENT BRANCHES

NAME OF BRANCH

a. Existing Branches

b. New or "In-Process"
Branches ("In-process"-
to be approved at next
BOD meeting).

2. FACULTY LIAISON

NAME

SCHOOL

6. CHAPTER PROGRAMS (Designate if "SOCIETY PREPARED" (SP) Program and/or REFRIGERATION (R) topic). Rate the program & speaker on a scale (1-10) with 10 being excellent.

DATE	TOPIC	SPEAKER	SP/R	RATING
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7. CONTINUING EDUCATION (NON-ASHRAE)

MEMBERS NAME	COURSE	DATE	CEU/CERTIF ?
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REGION II PAOE (EDUCATION) 1987-88

CHAPTER	LAST REPORT RECEIVED	FACULTY LIAISON	STUDENT BRANCHES	STUDENT AWARDS	STUDENT SCHOLAR.	SECONDARY SCHOOLS	CHAPTER		CONTINUING EDUCATION		TOTAL
							TECH. SESSIONS	PROGRAMS	NON ASHRAE	PDS	
HALIFAX	Jun '87	0	0	0	0	0	0	0	0	0	0
HAMILTON	Jun '87	0	0	0	0	0	0	0	0	0	0
LONDON	Jun '88	25	200	25	0	0	50	0	200	0	500
MISSISSAUGA		0	0	0	0	0	0	0	0	0	0
MONTREAL	Jun '88	0	0	0	0	0	0	0	0	0	0
NEW BRUNSWICK	Jun '88	50	0	0	50	0	0	0	200	150	450
OTTAWA	Jun '88	175	0	25	0	70	0	0	200	200	670
SAG. LAC. ST. JEAN	Jun '88	25	0	50	0	50	0	0	0	100	225
TORONTO	Jun '88	100	200	100	0	40	25	0	200	200	865
VILLE DE QUEBEC	Feb '88	100	0	0	0	0	125	0	0	150	375
WINDSOR	Jun '88	75	50	50	0	70	100	0	0	100	445
TOTAL		550	450	250	50	230	300	0	800	900	3,530
MAXIMUM		750	2,000	1,000		700			2,200	2,200	8,850
AVERAGE		50	41	23	5	21	27	0	73	82	321
% OF POSSIBLE		73	22	25	0	33	0	0	36	41	40

REGION II PAGE (EDUCATION) 1986-87

CHAPTER	LAST REPORT RECEIVED	STUDENT MEMBERS	FACULTY LIAISON	STUDENT BRANCHES	STUDENT AWARDS	SECONDARY SCHOOLS	CHAPTER SEMINARS	CONTINUING EDUCATION	PEER REVIEW	TOTAL
HALIFAX	Apr '87	50	25	0	0	10	0	200	50	335
HAMILTON	Apr '87	0	75	200	75	30	0	150	50	580
LONDON	Apr '87	0	25	0	0	10	125	200	50	410
MONTREAL	Apr '87	0	75	0	100	70	175	200	50	670
NEW BRUNSWICK	Apr '87	0	75	0	100	60	150	100	50	535
OTTAWA	Apr '87	0	25	0	25	0	250	200	100	600
SAG. LAC. ST. JEAN	Apr '86	0	25	0	50	30	0	0	0	105
TORONTO	Jun '87	0	75	50	75	0	250	200	50	700
VILLE DE QUEBEC	Apr '87	0	75	0	0	20	150	100	200	545
WINDSOR	Apr '87	0	50	50	25	0	75	0	50	250
TOTAL		50	525	300	450	230	1,175	1,350	650	4,730
MAXIMUM		500	750	2,000	1,000	700	2,500	2,000	5,000	14,450
AVERAGE		5	53	30	45	23	118	135	65	473
% OF POSSIBLE		10.0	70.0	15.0	45.0	32.9	47.0	67.5	13.0	32.7

REGION II PAOE (EDUCATION) 1985-86

CHAPTER	LAST REPORT RECEIVED	STUDENT MEMBERS	FACULTY LIAISON	STUDENT BRANCHES	STUDENT AWARDS	SECONDARY SCHOOLS	CHAPTER SEMINARS	CONTINUING EDUCATION	PEER REVIEW	TOTAL
HALIFAX	May '86	0	25	0	50	30	250	100	0	455
HAMILTON	Apr '86	50	25	0	0	0	0	0	0	75
LONDON	Feb '86	0	25	0	50	0	75	50	0	200
MONTREAL	Apr '86	0	25	0	100	70	100	75	75	445
NEW BRUNSWICK	May '84	50	50	0	50	10	0	75	0	235
OTTAWA	Apr '86	50	25	0	50	150	100	75	75	525
SAG. LAC. ST. JEAN	Apr '86	0	25	0	50	0	0	0	75	150
TORONTO	Jun '85	0	25	150	50	0	225	100	75	625
VILLE DE QUEBEC	Apr '86	50	25	100	50	0	300	0	100	625
WINDSOR	Apr '86	50	25	100	50	100	0	75	0	400
TOTAL		250	275	350	500	360	1,050	550	400	3,735
MAXIMUM		500	750	1,500	1,000	700	3,000	1,000	1,250	5,500
AVERAGE		25	28	35	50	36	105	55	40	374
% OF POSSIBLE		50.0	36.7	23.3	50.0	51.4	35.0	55.0	32.0	67.9

BEST EDUCATION & CHAPTER PROGRAMS COMMITTEE
AWARDS RESULTS 1987/88

FIRST PLACE:

Toronto Chapter
Committee Chairperson
Tom Markowitz

SECOND PLACE:

New Brunswick
Committee Chairperson
Graham Fawcett

THIRD PLACE:

Windsor
Committee Chairperson
Tom McDonald

MANAGEMENT BY OBJECTIVE
 VICE CHAIRMAN EDUCATION & CHAPTER PROGRAM
 JULY 1, 1988 - JUNE 30, 1989

Statement of Objective and Sub-Task Needed For Completion	Target Date	Date Completed	Status
<p>1. <u>STUDENT ACTIVITIES</u></p> <p>(a) Add one new student branch to Region II</p> <p>(b) 5 of 11 Chapters to submit one Student Awards Entry</p> <p>(c) 8 of 11 Chapters to make 2 "Career Guidance" contacts at secondary school level.</p>	<p>June 30/89</p> <p>June 1/89</p> <p>June 30/89</p>		
<p>2. <u>TECHNICAL SESSION</u></p> <p>8 of 11 Chapters to develop 3 hours on a technical subject or subjects relating to HVAC & R.</p>	<p>June 30/89</p>		
<p>3. <u>CHAPTER PROGRAMS</u></p> <p>Each Chapter to use a minimum of one Society prepared program.</p>	<p>June 30/89</p>		
<p>4. <u>CHAPTER VISITS</u></p> <p>RVC, Education & Chapter programs to visit the three chapters that have the lowest actual rating based on the 1987/88 year.</p>	<p>March 30/89</p>		
<p>5. <u>EDUCATION INSTITUTION CONTACTS</u></p> <p>RVC, Education & Chapter programs to contact 20 universities in the region to promote ASHRAE and the new Awards Program.</p>	<p>Jan. 30/89</p>		

REGION II PAOE (EDUCATION) 1987-88

CHAPTER	LAST REPORT RECEIVED	FACULTY LIAISON	STUDENT BRANCHES	STUDENT AWARDS	STUDENT SCHOLAR.	SECONDARY SCHOOLS	CHAPTER		CONTINUING EDUCATION		TOTAL
							TECH. SESSIONS	PROGRAMS	NON ASHRAE	PDS	
HALIFAX	Jun '87	0	0	0	0	0	0	0	0	0	0
HAMILTON	Jun '87	0	0	0	0	0	0	0	0	0	0
LONDON	Jun '88	25	200	25	0	0	50	0	200	0	500
MISSISSAUGA		0	0	0	0	0	0	0	0	0	0
MONTREAL	Jun '88	0	0	0	0	0	0	0	0	0	0
NEW BRUNSWICK	Jun '88	50	0	0	50	0	0	0	200	150	450
OTTAWA	Jun '88	175	0	25	0	70	0	0	200	200	670
SAG. LAC. ST. JEAN	Jun '88	25	0	50	0	50	0	0	0	100	225
TORONTO	Jun '88	100	200	100	0	40	25	0	200	200	865
VILLE DE QUEBEC	Feb '88	100	0	0	0	0	125	0	0	150	375
WINDSOR	Jun '88	75	50	50	0	70	100	0	0	100	445
TOTAL		550	450	250	50	230	300	0	800	900	3,530
MAXIMUM		750	2,000	1,000		700			2,200	2,200	8,850
AVERAGE		50	41	23	5	21	27	0	73	82	321
% OF POSSIBLE		73	22	25	0	33	0	0	36	41	40

REGION II PAOE (EDUCATION) 1986-87

CHAPTER	LAST REPORT RECEIVED	STUDENT MEMBERS	FACULTY LIAISON	STUDENT BRANCHES	STUDENT AWARDS	SECONDARY SCHOOLS	CHAPTER SEMINARS	CONTINUING EDUCATION	PEER REVIEW	TOTAL
HALIFAX	Apr '87	50	25	0	0	10	0	200	50	335
HAMILTON	Apr '87	0	75	200	75	30	0	150	50	580
LONDON	Apr '87	0	25	0	0	10	125	200	50	410
MONTREAL	Apr '87	0	75	0	100	70	175	200	50	670
NEW BRUNSWICK	Apr '87	0	75	0	100	60	150	100	50	535
OTTAWA	Apr '87	0	25	0	25	0	250	200	100	600
SAG. LAC. ST. JEAN	Apr '86	0	25	0	50	30	0	0	0	105
TORONTO	Jun '87	0	75	50	75	0	250	200	50	700
VILLE DE QUEBEC	Apr '87	0	75	0	0	20	150	100	200	545
WINDSOR	Apr '87	0	50	50	25	0	75	0	50	250
TOTAL		50	525	300	450	230	1,175	1,350	650	4,730
MAXIMUM		500	750	2,000	1,000	700	2,500	2,000	5,000	14,450
AVERAGE		5	53	30	45	23	118	135	65	473
% OF POSSIBLE		10.0	70.0	15.0	45.0	32.9	47.0	67.5	13.0	32.7

REGION II PAOE (EDUCATION) 1985-86

CHAPTER	LAST REPORT RECEIVED	STUDENT MEMBERS	FACULTY LIAISON	STUDENT BRANCHES	STUDENT AWARDS	SECONDARY SCHOOLS	CHAPTER SEMINARS	CONTINUING EDUCATION	PEER REVIEW	TOTAL
HALIFAX	May '86	0	25	0	50	30	250	100	0	455
HAMILTON	Apr '86	50	25	0	0	0	0	0	0	75
LONDON	Feb '86	0	25	0	50	0	75	50	0	200
MONTREAL	Apr '86	0	25	0	100	70	100	75	75	445
NEW BRUNSWICK	May '84	50	50	0	50	10	0	75	0	235
OTTAWA	Apr '86	50	25	0	50	150	100	75	75	525
SAG. LAC. ST. JEAN	Apr '86	0	25	0	50	0	0	0	75	150
TORONTO	Jun '85	0	25	150	50	0	225	100	75	625
VILLE DE QUEBEC	Apr '86	50	25	100	50	0	300	0	100	625
WINDSOR	Apr '86	50	25	100	50	100	0	75	0	400
TOTAL		250	275	350	500	360	1,050	550	400	3,735
MAXIMUM		500	750	1,500	1,000	700	3,000	1,000	1,250	5,500
AVERAGE		25	28	35	50	36	105	55	40	374
% OF POSSIBLE		50.0	36.7	23.3	50.0	51.4	35.0	55.0	32.0	67.9



ASHRAE

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

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TO: CHAPTER PRESIDENTS

FROM: SAM CUMMINGS, CHAIRMAN

DATE: FEBRUARY 22, 1989

RE: EDUCATION COUNCIL ADHOC COMMITTEE FOR CONTINUING
EDUCATION/COUNCIL RESTRUCTURE

As you are probably aware, some of the ASHRAE standing committees were re-organized at the beginning of Society fiscal year 87-88. This reorganization was an attempt to better allow those grassroots committees to serve individual ASHRAE members and ASHRAE chapters. These changes in responsibility included new responsibilities for your Education Committee (renamed Education and Chapter Programs Committee) such as responsibilities for administration and coordination of chapter programs, coordination of ASHRAE professional development seminars when presented in the chapter area, continuing responsibility for ASHRAE student branches, and liaison relationships with colleges, universities, and high schools faculty and students. The Energy Management committee (renamed Energy and Technical Affairs) retained responsibility for administration of the Energy Awards but was also given responsibility for the technical session at chapter meetings and transfer of technology. The Chapter Membership committee was given responsibility for student members which had previously been a task for the Education Committee.

Committees at both chapter level and the society level have functioned under this re-organization for over a year and a half. Several concerns have been voiced including (1) a division of responsibility for student members and student branches between two committees, (2) the Education Chapter Programs Committee having too many responsibilities to most effectively accomplish their objectives, (3) a division of responsibilities for chapter programming with your Education Chapter Programs Chairman administering programs and your Energy and Technical Affairs Chairman administering technical sessions, (4) in many chapters, the Chapter Programs Chairman is the President-Elect or Vice-President of the chapter and, under the present arrangement, he would actually report to the Education and Chapter Programs Committee Chairman. This arrangement may not work out very well in some chapters.

The Society standing committees have also found that the division of responsibilities has been somewhat cumbersome in the Education Council. Both the Energy and Technical Affairs Committee and the Education and Chapter Programs Committee report to the Education

Council. The committee is looking at ways to improve the effectiveness of these grassroots committees in your ASHRAE chapter. Please discuss with the affected committee chairman any suggestions you feel would most effectively allow these ASHRAE services to be provided to your chapter members. Please send your recommendations or suggestions prior to March 20, 1989 to Ms. Carolyn Stewart, Director of Education and Member Services at ASHRAE. Between March 5 - 20, Adhoc Committee members, George Jackins or Sam Cummings, will be calling selected Chapter Presidents to discuss any recommendations or suggestions they may have collected from their committee chairman and committee members or that they may have from personal experience as chapter officer or committee chairman.

If you have any questions, please feel free to contact Ms. Carolyn Stewart, Mr. Jackins, or Mr. Cummings. Their address and telephone numbers are listed below. Thank you for your thoughts and your input.

Mr. Samuel D. Cummings, Jr.
Pettit & Pettit
Consulting Engineers, Inc.
700 Wallace Building
Little Rock, AR 72201
501/374-3731

Mr. George A. Jackins
P.O. Box 360687
Birmingham, AL 35216
205/822-2282

Ms. Carolyn Stewart
Director, Education & Chapter Services
ASHRAE
1791 Tullie Circle, NE
Atlanta, GA 30329
404/636-8400



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Jean-Guy Lahaie
Vice Chairman, Region II
Energy and Technical Affairs

Reply to: CLIMATISATION MASTER LTD.
2555 Place Chasse
Montreal, PQ, Canada
H1Y 2C3
☎ 514-527-2301
Fax 514-527-8439

MEMO

TO: All Chapter ETA Committee
FROM: Jean-Guy Lahaie
DATE: April 17, 1989

Gentlemen:

The present is a reminder to forward me, no later than June 1st, your final report for the PAOE points. Also, I must receive your region entries for the Energy Awards Program no later than June 1st so they may be judged prior to the CRC held in Moncton next August.

In conclusion, do not hesitate to communicate your concerns for the Chapter and to suggest improvements in operation to the Chairman of the ETA Committee in order that they be forwarded to proper channels at the semi-annual meeting in Vancouver.

Best Regards,


Jean-Guy Lahaie
V.C. ETA

c.c. Chapter's President
Director Region II
V.C. Region II



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Louis F. Flagg
Presidential Member

Reply to: 4257 Toledo Avenue South
Minneapolis, MN 55416
☎ 612-926-6773

August 11, 1989

Mr. Peter Golem
521 Colborne Street
London, Ontario Canada
N6B 2T6

Dear Mr. Golem:

I would like to personally thank you for exceeding your 1988/89 chapter goal. Because of your outstanding fund raising, ASHRAE can maintain excellence in research. All of us will benefit as we advance the state of HVAC&R technology.

We are well on our way to the best year ever for Research Promotion. For the first time, we will exceed \$1 million! This success is in large part due to the hard work and leadership you have provided in your chapter.

With sincere appreciation,

Louis F. Flagg
Louis F. Flagg

cc: Charles S. Clemance
William H. Chadwick
Norman W. Johnson
Thomas Anderson



"Tips and Tools" for Research Promotion

December 22, 1988

We are pleased to introduce "Tips and Tools" for Research Promotion. The purpose of this newsletter is to exchange practical ideas for success in chapter fundraising and to acknowledge the accomplishments of our chapters and volunteers in Research Promotion. "Tips and Tools" will stress variety and may cover a wide range of topics:

- o finding and recruiting volunteers;
- o identifying our best prospects and markets;
- o involving the chapter board members;
- o communicating effectively the research story and benefits to donors and the public;
- o thanking our donors and volunteers;
- o setting and achieving goals;
- o managing the campaign;
- o preparing volunteers to raise money effectively;
- o developing leadership, teamwork and continuity;
- o using humor.

We welcome your submissions. By sharing your success and the ways you meet the challenges of Research Promotion, ASHRAE research and the whole society will benefit.

* * * * *

COMMUNICATE

Joseph Gardner, the Research Promotion Vice Chairman for Region I, submitted four examples of ASHRAE research projects. These can be reprinted in your chapter newsletter to communicate the benefits of specific research to our members or adapted for correspondence to prospects and investors.

Research Benefits Everyone

Isn't it great that we can enjoy fresh fruits and vegetables when they would normally be out of season? Well, part of the credit for this must go to ASHRAE Research Projects #172-RP and #370-RP. The goal of these projects was to develop a table of measured transpiration rates of various fruits and vegetables. These tables are intended to be used as part of the criteria for designing and operating cold storage facilities. Results of the research are available in ASHRAE Transactions 1978, Vol 84, Part I and ASHRAE Transactions 1988, Vol. 94, Part I. Do your part to improve the quality of life. Support ASHRAE Research.





ASHRAE Research



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Research**



ASHRAE Research

Sponsor Outstanding ASHRAE Research

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Sponsor Outstanding ASHRAE Research

Say YES to ASHRAE Research!

I say YES to ASHRAE Research!

Say YES to ASHRAE Research!



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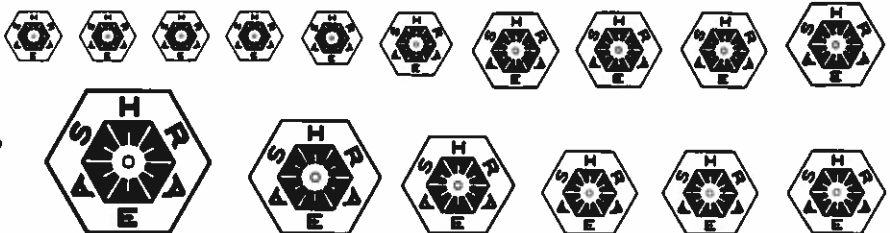
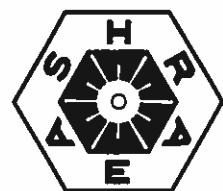
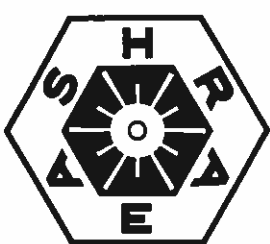
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Norman W. Johnson
Director & Regional Chairman II

Reply to: JOHNSON PATERSON INC.
210 Denison Street
Markham, Ontario, Canada
L3R 1B6
☎416-499-4822
Fax 416-475-3049

August 23, 1988

ASHRAE
1988 - 1989

REGION II OFFICERS

TERM OF OFFICE

Director & Regional Chairman

Norm W. Johnson
Johnson Paterson Inc.
210 Denison Street
MARKHAM, Ontario L3R 1B6
Phone: Ofc. (416)-499-4822 (Joyce)

1988 - 1991

Vice Chairman - Education & Chapter Programmes

Darryl K. Boyce
University of Western Ontario
Physical Plant Dept.
Services Bldg.
LONDON, Ontario N6A 5B9
Phone: Ofc. (519)-679-2111 ext. 8711
Fax: (519)-661-2174
Home: (519)-471-6143 (Francine)

1986 - 1989

Vice Chairman - Energy and Technical Affairs

Jean-Guy Lahaie
Le Groupe Master Ltee
2555 Place Chasse
MONTREAL, Quebec
H1Y 2C3
Phone: (514)-527-2301
Fax : (514)-527-8439
Home: (514)-678-0342
Res.: 3835 Beriot
Brossard, Quebec
J4Z 2W8

1988 - 1991

(Diane)

TERM OF OFFICE

Vice Chairman - Membership Promotion

M. Gerard Doyle 1987 - 1990
Dumac Energy Ltd.
Suite 305
6155 North Street
HALIFAX, N.S. B3K 5R3
Phone Ofc.: (902)-429-2505
Fax: (902)-454-6820
Home: (902)-861-1161 (Lorraine)

Vice Chairman - Research Promotion

W.H. (Bill) Chadwick 1986 - 1989
W.H. Chadwick Consulting Services
56 Aldershot Crescent
WILLOWDALE, Ontario M2P 1L9
Phone: Res. (416)-221-3017 (Margaret)

Vice Chairman - Refrigeration

Philip Landray 1988 - 1991
Carrier Canada Ltd.
1900 Minnesota Court
Suite 200
Mississauga, Ontario
L5N 5R5
Phone: Ofc.: (416)-826-9508
Fax: (416)-826-
Home: (416)-793-1069 (Elaine)

Nominating Committee Alternate

R.J. Morris (Bob) 1988 - 1991
Morris Engineering Services
1452 Upper James St.
HAMILTON, Ontario L9B 1K3
Phone: Ofc. (519)-756-5760
Fax: (519)-756-5768
Res. (416)-383-7419

TERM OF OFFICE

Nominating Committee Member

Dalton McIntyre
McIntyre Engineering Services
732 Southmore Dr. W.
OTTAWA, Ontario K1V 7A1
Phone: Res.: (613)-523-1651 (Edith)

1988 - 1991

CRC Host Chairman

John L. Kenney
847 Dundas St. E.
LONDON, Ontario N5W 2Z8
Phone: Ofc.: (519)-679-7770
Res.: (519)-529-3763
Fax: (519)-679-8470

1988 -

Historian (Regional)

John Fox
P.O. Box 249
Bowmanville, Ontario L1C 3L1
Phone: Ofc.: (416)-623-8155

Oct. 5 - 1988

Cliff Thompson
Honeywell Limited
740 Ellesmere Road
Scarborough, Ontario M1P 2V9
Phone: Ofc.: (416)-293-8111
Fax: (416)-297-4204
Res.: 11 Redcastle Crescent
Agincourt, Ontario M1T 1V2
Phone: Res.: (416)-497-5560 (Joan)

1988 - 1991



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M. Gerard Doyle, P. Eng.
Vice Chairman, Membership Promotion
Region II

Reply to:

Fax

1989.03.26

Chapter Membership Chairmen

RE: Postal codes for your Chapter

As stated at the London CRC and in a previous newsletter, we would like you to provide a list of postal codes that apply to your Chapter. To assist you, I am enclosing copies of the boundaries for your Chapter and for adjacent Chapters. To date only the Ottawa Valley Chapter has responded to this request.

In my last newsletter there was a Questionnaire which I expected you to fill in and return. Again to date only the Ottawa Valley Chapter has returned the questionnaire. What about the other Chapters?

cc Chapter Presidents
Norman Johnson, Region II, DRC
Mike Beda, Chairman Membership Promotion

P.S. As of Feb.28,1989,Region II (Area Assigned 2719) has 2564 Paid Members (including 178 New Members) and 333 Unpaid (Deliquent). We have 3 months to reduce 12.2% Delinquency and change from our current 5.7 Negative Growth to a POSTIVE GROWTH.

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

CHAPTER NAME LONDON
CHAPTER NUMBER 116
REGION II
HEADQUARTERS CITY LONDON
CHARTER DATE MAY 8, 1972

AREA BOUNDARIES

Southern Ontario including counties of Lambton, Elgin, Middlesex, Oxford, Perth, Huron and Bruce. Territory includes cities of London, Stratford, Woodstock, St. Thomas, Sarnia, Wallaceburg.

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

CHAPTER NAME WINDSOR
CHAPTER NUMBER 141
REGION II
HEADQUARTERS CITY WINDSOR, ONTARIO
CHARTER DATE NOVEMBER 19, 1983

AREA BOUNDARIES

The following cities in the counties of Kent and Essex:

Amherstburg
Chatham
Erie Beach
Kingsville
Leamington
Ridgetown
St. Clair Beach
Tecumseh
Thamesville
Tilbury
Wheatley
Windsor

AMERICAN SOCIETY OF HEATING, REFRIGERATING AND
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CHAPTER NAME	<u>HAMILTON (Formerly Niagara Peninsula)</u>
CHAPTER NUMBER	<u>37</u>
REGION	<u>II</u>
HEADQUARTERS CITY	<u>HAMILTON</u>
CHARTER DATE	<u>1961</u>

AREA BOUNDARIES

City of Hamilton and surrounding area, and the Niagara Peninsula. Includes counties of Welland, Lincoln, Haldimand, Norfolk, Brant, Westworth, Waterloo, Wellington and western half of Halton. Territory includes cities of Hamilton, Guelph, Kitchener, Waterloo, Galt, Brantford, St. Catherines, Niagara Falls and Welland and Burlington (in Halton County).

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

CHAPTER NAME	<u>MISSISSAUGA</u>
CHAPTER NUMBER	<u>153</u>
REGION	<u>II</u>
HEADQUARTERS CITY	<u>Mississauga Ont Canada</u>
CHARTER DATE	<u>June 23, 1987</u>

AREA BOUNDARIES

Oakville
Mississauga
Milton
Orangeville
Alliston
Cookstown
Brampton
Streetsville
Georgetown
Acton
Alton
Caledon Hills

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

CHAPTER NAME	<u>OTTAWA VALLEY</u>
CHAPTER NUMBER	<u>15</u>
REGION	<u>II</u>
HEADQUARTERS CITY	<u>OTTAWA</u>
CHARTER DATE	<u>1952</u>

AREA BOUNDARIES

Area enclosed by a straight line from Deseronto north to Mattawa, east to the junction of Highway 58 and 11A, a straight line south to Montebello, the Ottawa River to and including Hawkesbury, then Highway 34 to the St. Lawrence River.

AMERICAN SOCIETY OF HEATING, REFRIGERATING AND
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CHAPTER NAME	<u>TORONTO (Formerly Ontario)</u>
CHAPTER NUMBER	<u>16</u>
REGION	<u>II</u>
HEADQUARTERS CITY	<u>TORONTO</u>
CHARTER DATE	<u>1922</u>

AREA BOUNDARIES

Province of Ontario east of north-south line through Nipigon, Ontario, to boundaries of London Canada, Hamilton and Ottawa Valley Chapters. Includes Rouyn-Noranda region in western Quebec.



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

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

Telephone / 404-636-8400

MR. FRANK HERBERT BROWN
PROCTOR & REDFERN
377 DUNDAS STREET
LONDON N6B-1V5
CANADA

10 AUG 1988

We are pleased to acknowledge your application for membership in the Society.

We are sending you a complimentary copy of the ASHRAE Journal. Your request for membership will be presented to the Admissions and Advancement Committee for review and recommendation of grade, and after confirmation of the Committee's action by the Board of Directors you will receive formal notice of your election. The foregoing procedure requires thirty to sixty days providing all necessary information has been submitted with the application.

Should you have any questions concerning membership or Society activities, please do not hesitate to contact us.

Very truly yours,

Carolyn K. Stewart
Director, Member and Chapter Services

CKS/cge

Encl.



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Telephone / 404-636-8400

MR FRANK HERBERT BROWN
PROCTOR & REDFERN
379 DUNDAS STREET
LONDON, N6B-1V5
CANADA

07 SEP 1988

Subject: Society Membership

Grade:

ASSOCIATE MEMBER (UNDER 30)

It is my pleasure to advise you of your election to Society membership as indicated above. A membership certificate is being prepared and will be sent to you as soon as it is ready. Enclosed is your current membership card.

As a member, you are entitled to receive monthly issues of the ASHRAE Journal and annual issues of the ASHRAE Handbook. Handbooks are distributed at the end of each fiscal year (May or June). You will receive one volume of the most currently revised edition each year. No substitutions are permitted. **As a new member, you are eligible to purchase any prior editions at a one-time 33% discount within the first year of membership. A publications catalog will be sent to you with your certificate.**

Members may be interested in participating in local activities, and the chapter serving your area will be notified of your status as a Society member. You may expect to hear from them shortly concerning chapter affiliation, local dues and notices of meetings.

Your officers and Board of Directors hope you will take full advantage of the privileges of membership and contribute to the advancement of your profession by your active participation.

Very truly yours,

Carolyn K. Stewart
Director, Education and Chapter Services

CKS/cge

Encl.

116 p



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

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TO: CHAPTER PRESIDENT
FROM: DEBRA CANADY-FOSTER ^(DCT)
MEMBERSHIP MANAGER
DATE: AUGUST 14, 1989
SUBJECT: CHAPTER CHANGES REPORT

We have not received your chapter's 1989-1990 ASHRAE Chapter Questionnaire. Since we do not know who the new officers will be, we are sending you the monthly chapter report.

Please send us the names of the officers for the current year.



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

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

Telephone / 404-636-8400

MR. FRANK CONTE
LONDON PUBLIC UTILITIES COMMISSION
111 HORTON STREET
LONDON, ON N6B 3N9
CANADA

08 AUG 1989

Subject: Society Membership

Grade:

AFFILIATE MEMBER (OVER 30)

It is my pleasure to advise you of your election to Society membership as indicated above. A membership certificate is being prepared and will be sent to you as soon as it is ready. Enclosed is your current membership card.

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Very truly yours,

Carolyn K. Stewart
Director, Education and Member Services

CKS/cge

Encl.



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

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

Telephone / 404-636-8400

MR. FRANK CONTE
LONDON PUBLIC UTILITIES COMMISSION
111 HORTON STREET
LONDON, ON N6B 3N9
CANADA

08 AUG 1989

Subject: Society Membership

Grade:

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Your officers and Board of Directors hope you will take full advantage of the privileges of membership and contribute to the advancement of your profession by your active participation.

Very truly yours,

Carolyn K. Stewart
Director, Education and Member Services

CKS/cge

Encl.



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M. Gerard Doyle, P. Eng.

Vice Chairman, Membership Promotion
Region II

Reply to:

SUITE 300, 6385 NORTH STREET
HALIFAX, NOVA SCOTIA
B3N 5G3

Fax

1989.02.20

Region II Chapter Membership Promotion Chairmen

Item and ideas from Membership Promotion Committee Meeting,
January 28-29, 1989 Chicago Illinois.

1. The Chapters are to add New Member names to the Chapter mailing list and contact the individual immediately upon receipt of acknowledgement letter from society by the Chapter Membership Promotion Chairman.
2. All completed Applications received from new Member be processed IMMEDIATELY. There has been numerous complaints about time required by society to process new applications. Ensure that you are not part of the delay.
3. Between now and the summer ASHRAE meeting in late June, the progress of applications for membership are to be monitored and ANY problems reported to me and to society. Monitor date application received by Chapter from applicant, date sent to society, date acknowledgement letter received, date grade letter received and date name appears on Chapter Change Report.
4. Some Chapters have had an Advancement Night either in conjunction with or separate from Membership Night. Great Idea.
5. The next Region II CRC is in Moncton, New Brunswick, August 23-26, 1989. All Membership Promotion Chairmen are expected to represent their Chapter at the Membership Promotion Workshop.
6. One of the best ways of have ensuring growth in your Chapter is to reduce the number of unpaid so that they do not cancel your growth. Seek help from Committee, Chapter Executive and Board of Governors.
7. In addition to the Promotion of ASHRAE to New Members and Students, your Committee is responsible for Retention of Current Members. To ensure retention, the Quality of new Members should be considered in addition to the number. A hasily sign new Member may end up as a deliquent next year.



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8. We suggest that a current resume be submitted with an application for Membership and / or Advancement.
9. Enclosed is a form which should be sent to all Members Assigned to your Chapter to ensure that Society has the correct information on each Member. Remember that these have to be signed by the Member.
10. Some Chapters in Society Purchase ASHRAE pins from Society and present to New Members at a Chapter Meeting.
11. Once you have signed up a New Member ensure that he/she is properly treated. See Section 3,6 of the "Manual for Chapters Operation".
12. On the December 31,1988 PAOE Report, Region II is in sixth place (out of twelve) on Membership Promotion Points per Area Assigned Member with the La Ville de Quebec Chapter one of four chapters in society exceeding Par. Contratulations.
13. The December 31,1988 Statistics Report shows that Region II is in eighth place with 14.3% of Members Unpaid.

cc Chapter Presidents
Mike Beda, Chairman Membership Promotion
Norm Johnson, Region II, DRC



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To ensure that your ASHRAE Membership Information is up to date, please fill in the following information and return to "ASHRAE MEMBERSHIP DEPARTMENT" at the above address.

Please print or type

Name _____ Membership No. _____

(Please check preferred address)

___ Business Address ___ Home address

_____ (Company name) _____ (Street)

_____ (Street)

_____ (City) _____ (County) _____ (City) _____ (County)

_____ (Prov.) _____ (Postal Code) _____ (Prov.) _____ (Postal Code)

() _____ () _____
(Phone) (Phone)

() _____
(Facsimile)

CHAPTER PREFERENCE _____

MEMBERSHIP STATISTICAL DATA

Please insert in the space below the appropriate codes of your activities and interests as shown on attached statistical data sheet.

- 1. Principal activity of your firm/organization _____
- 2. Your title within your firm/organization . _____
- 3. Functional activity in your firm/organization _____
- 4. Size of firm/organization . _____
- 5. Education . _____
- 6. Broad areas of HVAC & R interests (3 Choices)

7. Technical Committee/related area of interest (3 Choices)

8. Principal P.Eng. License: Prov. _____ # _____
Year Issued _____

9. Total Number of Provinces in which registered _____

10. Signature _____
(Required for Validation)



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

1791 Tullie Circle, NE • Atlanta, Georgia 30329 ☎404- 636-8400 • Tlx 705343 ASHRAE • Fax 404-321-5478

M. Gerard Doyle, P. Eng.
Vice Chairman, Membership Promotion
Region II

Reply to: SUITE 305, 6155 NORTH STREET
HALIFAX, NOVA SCOTIA
B3K 5R3

Fax

MEMBERSHIP PROMOTION COMMITTEE QUESTIONNAIRE

1. Has your Chapter held a Membership Night? Yes _____ No _____
2. What is the size of your Membership Promotion Committee? _____
3. Are you planning to continue as Membership Promotion Chairman next year? Yes _____ No _____
4. If no, do you know your replacement? Yes _____ No _____
5. If yes, please provide name and address.

6. Will you or your replacement be attending the Region II, 1989 CRC held in Moncton, N.B., August 23 to 26? Yes _____ No _____
7. What is your Chapter's due structure? Dues only _____
Dues + Prepaid Meal Plan _____
Meals at door _____
8. Should the number of years for "Retiree" Status be reduced from 15 years to 10 years, due to increased early retirement? (Member must be 55 years or older and retired from active participation in industry) Yes _____ No _____

Membership Promotion Chairman
_____ Chapter

- 1 PRINCIPAL ACTIVITY OF YOUR FIRM/ORGANIZATION**
 11-CONSULTING ENGINEERING SERVICES
 12-ARCHITECTURAL SERVICES
 13-ARCHITECTURAL & ENGINEERING SERVICES
 21-CONTRACTOR—HVAC&R
 31-INDUSTRIAL FIRM/USER HVAC&R EQUIP. OR SERVICES
 41-COMMERCIAL BUILDINGS—HVAC&R SERVICES
 42-INSTITUTIONAL/PUBLIC BLDGS—HVAC&R SERVICES
 43-PUBLIC UTILITY—HVAC&R SERVICES
 44-GOV'T/MILITARY AGENCY—HVAC&R SERVICES
 51-MANUFACTURER OF HVAC&R EQUIP.
 61-MFG. REP/SALES ENGINEERING FIRM
 62-SALES ENGINEERING FIRM
 71-DISTRIBUTOR/WHOLESALE OF HVAC&R EQUIP.
 81-EDUCATIONAL INSTITUTION
 82-RESEARCH INSTITUTION
 83-LIBRARY
 84-TECHNICAL/PROFESSIONAL ASSN.
 85-TRADE ASSN.
 86-STUDENT
 91-OTHER/MISC (SPECIFY) _____

- 2 TITLE WITHIN YOUR FIRM/ORGANIZATION**
 A-PRESIDENT
 B-CORPORATE OFFICER
 C-PARTNER
 D-ASSOCIATE
 E-OWNER
 F-VICE-PRESIDENT
 G-VICE-PRESIDENT ENGINEERING
 H-CHIEF ENGINEER
 J-DEPARTMENT HEAD
 K-DESIGN ENGINEER
 L-APPLICATION ENGINEER
 M-PROJECT ENGINEER
 N-CODES/STANDARDS ENGINEER
 P-RESEARCH/DEVELOPMENT ENGINEER
 Q-SALESPERSON
 R-SALES ENGINEER
 S-PURCHASING AGENT
 T-DRAFTSPERSON
 U-ESTIMATOR
 V-DESIGNER
 W-TECHNICAL/MECHANIC
 X-PROFESSOR/INSTRUCTOR
 Z-COMPANY LIBRARIAN

- 3 FUNCTIONAL ACTIVITY IN FIRM/ORGANIZATION**
 1-DESIGN/APPLICATION
 2-MFG/PRODUCTION
 3-MAINTENANCE/OPERATION/SERVICE
 4-BUSINESS MANAGEMENT
 5-ADMINISTRATION
 6-SALES
 7-RESEARCH
 8-TEACHING
 9-OTHER
- 4 SIZE OF FIRM/ORGANIZATION**
 1-1-49
 2-50-99
 3-100-199
 4-200-499
 5-500-999
 6-1000-1999
 7-2000-4999
 8-5000 AND OVER

5 BROAD AREAS OF HVAC & R INTERESTS
 Use Codes to indicate your first, second, and third choices

Heating	Ventilating & Air Conditioning	Refrigeration	General
A Hydronic B Forced Air C Steam D Process E Service Water F Solar	H Air Cleaning & Odor Control J Industrial Ventilation K Clean Room/ L Air Cond'g. Equipment Under 20-Tons	M Air Cond'g. Equipment 20-Tons Thru 200-Tons N Air Cond'g. Equipment Over 200 tons P Air Handling Systems & Components Q Cooling Towers & Evaporative Coolers	S Unitary T Commercial Sys. U Industrial Sys. V Process Ref'n W Low Temperature (Below 60°F) X Components
			1 Controls & Instrumentation 2 Heat Transfer—Fluid Flow 3 Pipe, Valves, Fittings 4 Refrigerator/ 5 Sound & Vibration 6 Insulation 7 Energy Recovery 8 Food Application 9 Physiology, Health, Safety 0 Other

6 TECHNICAL COMMITTEE-RELATED AREAS OF INTEREST

FUNDAMENTALS AND GENERAL

- 01 Thermodynamics and Psychrometrics
 02 Instruments and Measurements
 03 Heat Transfer and Fluid Flow
 04 Control Theory and Application
 05 Computer Applications
 06 Terminology
 07 Operation and Maintenance
 08 Owning and Operating Costs
 09 Electrical Systems
 10 Building Operation Dynamics

ENVIRONMENTAL QUALITY

- 12 Physiology and Human Environment
 13 Plant and Animal Physiology
 14 Gaseous Air Contaminants and Gas Contaminant Removal Equipment
 15 Particulate Air Contaminants and Particulate Contaminant Removal Equipment
 16 Sound and Vibration Control
 17 Safety
 18 Air Flow Around Buildings
 19 Halocarbon Emission

MATERIAL AND PROCESSES

- 21 Refrigerants and Brines
 22 Refrigerant System Chemistry
 23 Contaminant Control in Refrigerating Systems
 24 Lubrication
 25 Sorption
 26 Corrosion and Water Treatment
 27 Fuels and Combustion
 28 Use of Waste Products for Energy

LOAD CALCULATIONS AND ENERGY REQUIREMENTS

- 30 Load Calculation Data and Procedures
 31 Weather Data
 32 Ventilation Requirements and Infiltration
 33 Thermal Insulation and Moisture Retarders
 34 Fenestration
 35 Energy Calculations
 36 Energy Resources
 37 Indoor Environment Calculations
 38 Building Envelope Systems

VENTILATION AND AIR DISTRIBUTION

- 39 Fans
 40 Duct Design
 41 Room Air Distribution
 42 Industrial Process Air Cleaning (Air Pollution Control)
 43 Air-to-Air Energy Recovery
 44 Control of Fire and Smoke
 45 Evaporative Cooling
 46 Industrial Ventilation
 47 Enclosed Vehicular Facilities

HEATING EQUIPMENT, HEATING AND COOLING SYSTEMS AND APPLICATIONS

- 49 Hot Water and Steam Heating Equipment and Systems
 50 Central Forced Air Heating and Cooling Systems
 51 In-Space Convection Heating
 52 Radiant Space Heating and Cooling
 53 Service Water Heating
 54 Solar Energy Utilization
 55 Geothermal Energy Utilization
 56 Thermal Storage
 57 District Heating and Cooling

PACKAGED AIR CONDITIONING AND REFRIGERATION EQUIPMENT

- 59 Residential Refrigerators and Food Freezers
 60 Beverage Coolers
 61 Drinking Water Coolers
 62 Ice Makers
 63 Room Air Conditioners and Dehumidifiers
 64 Unitary Air Conditioners and Heat Pumps
 65 Ice-Maker Heat Pumps
 66 Unitary Combustion-Engine-Driven Heat Pumps

AIR CONDITIONING AND REFRIGERATION SYSTEM COMPONENTS

- 67 Positive Displacement Compressors
 68 Centrifugal Machines
 69 Absorption and Heat Operated Machines
 70 Air-to-Refrigerant Heat Transfer Equipment
 71 Liquid-to-Refrigerant Heat Exchangers
 72 Cooling Towers and Evaporative Condensers
 73 Humidifying Equipment
 74 Refrigerant System Controls and Accessories
 75 Pumps and Hydronic Piping
 76 Electric Motors—Open and Hermetic

AIR CONDITIONING SYSTEMS AND APPLICATIONS

- 78 Large Building Air Conditioning Systems
 79 Industrial Air Conditioning
 80 Transportation Air Conditioning
 81 Applied Heat Pump/Heat Recovery Systems
 82 Cogeneration Systems
 83 Systems Energy Utilization
 84 Testing and Balancing
 85 Large Building Air Conditioning Applications

REFRIGERATION SYSTEMS AND APPLICATIONS

- 87 Custom Engineered Refrigeration Systems
 88 Automatic Icemaking Plants and Skating Rinks
 89 Refrigerant Piping
 90 Ultra-Low Temperature Systems and Cryogenics
 91 Refrigerated Distribution and Storage Facilities
 92 Transport Refrigeration
 93 Refrigerated Commercial Food Display and Storage Equipment
 94 Refrigeration Load Calculations

REFRIGERATED FOOD TECHNOLOGY AND PROCESSING

- 95 Meat, Fish and Poultry Products
 96 Dairy Products
 97 Fruits, Vegetables and Other Products
 98 Prepared Food Products
 99 Thermal Properties of Food
 00 Refrigeration of Fermentation Products



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

LONDON CANADA CHAPTER / 521 COLBORNE ST. / LONDON, ONTARIO N6B 2T6

September 8, 1988

Mr. Bert Fenner
H. V. Fenner Agencies
PO Box 39
Lambeth, Ontario NOL 1S0

Dear Bert:

Re: Region II CRC
October 5 - 8, 1988

Our Region II CRC is fast approaching! The London Chapter is very excited to be hosting the first spring CRC to be held in the fall.

As members of this Chapter, I know that all of you want to be a part of the festivities to make this CRC a memorable occasion for all.

It would be greatly appreciated if each and every one of you could donate part of your time and effort to make this a success. Hosts and hostesses are required - if you have the time, we can find a spot for you to fill.

I have enclosed a Conference Newsletter and Hotel Registration form for your use. If more are required, please do not hesitate to call.

Remember - this is your Chapter! We need your help. Let's show our hospitality to all!

Very truly yours,

ASHRAE-LONDON CHAPTER


John L. Kenney
Host Chairman

JK:ct
encl



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

LONDON CANADA CHAPTER / P.O. 653 / LONDON, ONTARIO N6A 4Y4

LONDON WELCOMES YOU

The City of London is the urban heart of the rich agricultural land of southwestern Ontario. One of the more southern cities in Canada, London enjoys extended summer weather that most often results in pleasant Thanksgiving temperatures.

No visit to London would be complete without a drive through the scenic Springbank Park which flanks the Thames or a stop at the gracious Eldon House. Built in 1834, this sheathed frame house was occupied by four generations of the Harris family until 1959 when it was presented to the citizens of London. Many of the eclectic furnishings and curios are souvenirs of the Harris family's voyages abroad to Europe, Asia, and Africa and add to the unique charm of the house. Other local attractions such as the Children's Museum, Regional Art Gallery and Museum of Indian Archaeology are within easy reach of the conference hotel.

The spouse's package however, takes you farther afield to view the splendour of a Middlesex autumn - and to do a little shopping.

On Thursday at 10:00 a.m., you will travel by motor coach through the Middlesex and Huron County countryside to lunch at the Benmiller Inn outside Goderich. This restored mill on the Maitland River is famous for its cuisine and country ambience. Wear comfortable walking shoes to explore the woodland pathways. Don't forget to bring your camera. From the Benmiller Inn, it is a short ride to bluffs overlooking the Goderich harbour to preview a Lake Huron sunset. You will return to the hotel early enough to rest awhile before joining all the delegates at the Second City Revue. This dinner theatre troupe will have you laughing at their topical skits.

Friday morning is open for you to relax over breakfast, enjoy a swim in the hotel pool, or check out the boutiques on Richmond Row. After joining the delegates for the President's luncheon, we leave them for a tour with a fashion slant. No, not just another fashion show but a trip through the Kettle Creek Canvas Co.'s plant in nearby Port Stanley. This dynamic young company with over 40 national franchise outlets, specializes in beautiful leisure wear that is colourful and durable. Come get a preview of next year's cruise wear. After a garden tea break, you'll have further time to wander through this Lake Erie harbour town before returning to the Wharton and the closing banquet.

See you in October in London.

P.S. Bilingual hostesses on both tours will make everyone feel right at home.



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ASHRAE RESEARCH

A SAMPLING OF PROJECTS

Ashrae Research projects address a variety of technical needs that are of interest to the membership. For example:

1. Projects #172-RP and #370-RP developed a table of transpiration rates for various fruits and vegetables. This information is required for designing and operating cold storage facilities.
2. Project #403-RP/A is investigating the proper placement of air control sensors following branch duct takeoffs. The results will be useful from the standpoint of both duct design and air system controls.
3. Project #526-RP/A is developing a technical engineering guide on HVAC acoustics. We all know that noisy air handling systems give the industry a bad name. Perhaps this manual will help.
4. Project #551-RP/A is a laboratory study to determine flow resistance of HVAC duct fittings. Obviously there is more to be discovered in this area, as ASHRAE is investing \$73,900 in this study.
5. Project #362-RP/A is developing a method of predicting energy losses due to infiltration in refrigerated warehouses. This information will be useful to designers and owners of conditioned warehouses.
6. Project #558-RP/A is an update of ASHRAE Thermophysical Properties of Refrigerants. The growing CFC/ozone debate has made refrigerants a hot topic. Refinement of the basic data will be useful to equipment designers and manufacturers.

ASHRAE RESEARCH KEEPS THE LEADING EDGE OF TECHNOLOGY SHARP!

Peter J. Golem, MSc P.Eng.
Research Promotion Chairman





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

LONDON CANADA CHAPTER / P.O. 653 / LONDON, ONTARIO N6A 4Y4

CURRENT CANADIAN

ASHRAE RESEARCH PROJECTS

1. An Experimental Investigation of the Effects of Refrigerant - Oil Mixture on Condensation Heat Transfer Coefficient and Pressure Drop in Water-Cooled Shell and Tube Condensers.
Concordia University , \$56,000.00
2. Development of Loss Coefficient Data for Compound Exhaust Hoods using Slots for Air Distribution.
Ontario Research Foundation , \$35,183.00
3. An Investigation of Freezing Control Strategies for Residential Air-to-Air Heat Exchangers.
Unies Limited, \$26,000.00
4. Study of Methods of Overpressure Relief for Stairwell Pressurization Systems.
National Research Council, \$127,190.00
5. Annotated Guide to Available Algorithms for Modelling HVAC Equipment
G. K. Yuill & Associates , \$49,926.00

ASHRAE RESEARCH KEEPS THE CUTTING EDGE OF TECHNOLOGY SHARP



Say **YES** to ASHRAE Research!