



LONDON CHAPTER
REPORT

December 14, 1992

Chairperson:

DARRYL K. BOYCE

Committee Members:

PAOE Points to Date:

0

REPORT

RESEARCH PROMOTION.

I have started the process of contacting our large contributors, that have made donations in the last 5 years, to establish a commitment for the 1992/93 society year.

So far I have contacted six companies and obtained a positive response from 5 of the companies. Estimated total value of contribution committed so far \$2150.00. Our target for the year is \$5100.00.

I am still trying to confirm a speaker for the March meeting, should be in place by Christmas.

I believe we need to promote greater participation from our area members, even if the contributions are in the range of \$10.00 it would demonstrate the member committed. I would be prepared to organize a phone campaign in February or March.

Please bring one (1) extra copy to Meeting.

If unable to be present at meeting, FAX to Owen Glendon at 679-2145 by October 5, 1992.



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

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

August 31, 1992

File ASHRAE

Mr. Darryl Boyce
Services Building
University of Western Ontario
London, Ontario
N6A 5B9

PHYSICAL PLANT FACILITIES ENGINEERING & CONSTRUCTION	
COPY —	CIRC. —
FILE —	
SEP 3 1992	
DKB —	UBJ —
JMD —	DLM —
CKK —	WCC —
OTHER —	
BF —	

Dear Darryl:

New POAE Criteria

I have enclosed the new POAE criteria that was presented at the recent CRC conference in Halifax. Please have a look at your section and try to identify some activities for the upcoming Board of Governors meeting in September.

If you have any questions, be sure to give me a call.

Yours truly,

Peter Ziebart, P.Eng.
Vice President

(pz)

Enclosure

1992-93 PAOE AWARD INFORMATION

Regular	(Red Emblem) Chapters that earn the PAOE for the current year must meet minimum requirements in eight out of nine categories, with a minimum of 2,900 total points.
Star Award	Chapters earning the PAOE and reaching par in all categories.
Special Citation	Chapters earning the PAOE and obtaining 4,400 or more total points.
Honor Roll	(Silver Emblem) Chapters which have earned the PAOE for at least four consecutive years.
High Honor Roll	(Blue Emblem) Chapters which have earned the Star Award for at least four consecutive years.
Premier	(Gold Emblem) Chapters which 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; except that a chapter shall remain eligible for the Premier award if the PAOE is not achieved during their first year.

REPORTING PROCEDURES

The PAOE report will be distributed to Chapter Presidents, Chapter Secretaries, the Society Membership Promotion, Research Promotion, Educational Activities, Technical Energy & Government Activities, 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

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

October 31, December 31, February 28, March 31, April 30, May 31 and June 30. *Note: Final figures must be received at ASHRAE Headquarters no later than June 30, 1993. No reports, data, minutes, monies etc. will be accepted after this date.*

Membership Promotion - These figures will be compiled by HEADQUARTERS. Bonus points will be reported through the Vice Chair, Membership Promotion.

Chapter History - Historical information to be reported by the Regional Historian.

Chapter Meeting Attendance - Each chapter must submit to Headquarters copies of its monthly chapter meeting minutes reflecting the number attending each chapter meeting. All meetings providing opportunity for technical enrichment are included.

CRC Attendance - REGIONAL CHAIR must advise Headquarters of these figures immediately after their CRCs have been held.

Research Promotion - Figures will be compiled by HEADQUARTERS.

Educational Activities - REGIONAL VICE CHAIR must supply Headquarters with these figures for their respective Chapters.

Technical, Energy & Government Activities/Chapter Program Activities - TEGA REGIONAL VICE CHAIR must supply Headquarters with these figures for their respective Chapters. The TEGA REGIONAL VICE CHAIR will use two reporting forms: (1) Technical Energy & Government Activities; (2) Chapter Program Activities. Lists of future planned programs should be submitted from the chapter to the TEGA REGIONAL VICE CHAIR prior to December 1.

Refrigeration - REGIONAL VICE CHAIR must advise Headquarters of these figures.

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

1992 - 93 PAOE CRITERIA

MEMBERSHIP PROMOTION

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

Membership growth will be based on the net membership increase from July 1, 1992 to June 30, 1993. The President's goal will be 3% net membership growth, with a maximum delinquency rate of 6%. New member growth is based on completed, paid memberships processed by the July 1, 1993 elections. (Note: All applications must be at Headquarters by May 15, 1993 to be processed for the July election deadline.) Transfers in, transfers out, and deceased members will not count for or against growth. Unpaid members consisting of 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 Membership Promotion formula rewards new member growth separate from the retention of members.

$$P_m = 100 \left(\frac{M_n}{.03M_a} \right) + 100 \left(\frac{A}{.03M_a} \right)$$

Where: M_n = New members as approved by the Admissions and Advancement Committee prior to June 30, 1993.
 M_a = Area assigned member
 A = Advancements

Bonus:	Points	Maximum
a) If membership is held constant or increases	100 pts.	
b) For having a special Membership Promotion Chapter Night:	50 pts. ea.	100 pts.
c) Each Chapter "dues" paying member who is also a member of a Society Council or Committee.	25 pts. ea.	100 pts.
d) For achieving each 1% reduction in delinquency rate below 6%.	40 pts. ea.	240 pts.
e) For each upgrade from Student Member to Associate, Affiliate or Member Grade within one year of graduation	25 pts.	

CHAPTER HISTORY

PAR = 200
 MAXIMUM = See each activity
 MINIMUM = 150 points

In 1994, the Society will be celebrating its Centennial. This year's PAOE emphasizes the importance of ASHRAE's history at both the Society and chapter levels. Points are being awarded for establishing and maintaining a chapter history.

<u>ACTIVITY</u>	<u>POINTS DETERMINATION</u>	<u>POINTS</u>	<u>MAXIMUM</u>
Historian	Receipt of Society Gold Ribbon Award ⁽¹⁾	100 pts.	
	List of Society or Regional Award Winners in chapter for current year submitted	25 pts.	
	Chapter archives indexed and location known	25 pts.	
	Leadership recall interview ⁽²⁾	50 pts.	
	Conduct historical program	50 pts.	
	Publish article of local or national nature	50 pts.	

CHAPTER 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

<u>Bonus:</u>	<u>Points</u>	<u>Maximum</u>
a) For having regularly scheduled chapter summer meetings (July, August, September)	50 pts. ea.	150 pts.
*b) For having joint meetings with RSES, RETA, IAR, BOMA, AIA, SPE, MCA, SMACNA, ASPE, SWE, IES, or other:	25 pts. ea.	
c) For establishing a new chapter section	100 pts. ea.	200 pts.
d) For maintaining an existing chapter section	50 pts. ea.	200 pts.

*Joint meetings of ASHRAE chapters do not apply

⁽¹⁾ Society Gold Ribbon is awarded the first time for writing the original history of the chapter. Each year thereafter, the ribbon is awarded for writing the history of a person, company or event that is significant to the chapter's history.

⁽²⁾ Chapter Historian interviews a prominent member, i.e., a past chapter or Society officer and/or award winner.

EDUCATIONAL 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 to serve our industry.

The point scores for Educational Activities are as follows:

<u>ACTIVITY</u>	<u>POINTS DETERMINATION</u>	<u>POINTS</u>	<u>MAXIMUM</u>
		$50\sqrt{SMG}$	
Student Member Growth (SMG)	Formula:		
Student Branch	a) Each existing branch	50	
	b) Each new branch	100	
	c) Each \$200 investment ¹	25	100 per branch
	d) Chapter Member's participation in 3 or more branch events ²	50	150
	e) Student Branch Operations Workshop at CRC ³	50	
Student Faculty Liaison	Each active liaison	25	100
Student Awards	a) Each competition held	25	50
	b) Each submission to Society competition	25	50
Career Guidance (post secondary) ⁴	a) Each contact ⁵	25	200
	b) Teach-ins per class ⁶	50	100
	c) Engineers for a Day Program or Tours ⁷	25	100
K-12 Program	a) Each contact	25	
	b) Teach-ins per class ⁸	25	

¹ For educational material based on actual cash expenditures by chapter.

² Each chapter member other than faculty liaisons who participate in three or more student branch events.

³ This benefits local students and points are given to local host chapter

⁴ Higher education after high school

⁵ 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.

⁶ Engineers speak to classes about engineering technology.

⁷ Students tour industrial facilities and engineering firms or work side-by-side with engineers.

⁸ Math, science and engineering--this can include "Math Count."

<u>ACTIVITY</u>	<u>POINTS DETERMINATION</u>	<u>POINTS</u>	<u>MAXIMUM</u>
Scholarships	a) Student Scholarships Awards Conferred (see formula) °		
	b) Society Scholarship Award Contribution (See formula) °		
Student Night	Each chapter student night	25	50
National Engineers Week Participation	a) Radio/TV public service announcements	25	100
	b) Proclamation (city, county, state)	10	30
	c) Newspaper advertisements/articles	10	50

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

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

$$P_{ssa} = \left(\frac{C1}{10} \right)$$

Where: P_{ssa} = Points for Society Scholarship Award
C1 = Total dollars contributed

(The contributions to the Society Scholarship Award will receive 10 points per \$100 contributed.)

TECHNICAL, ENERGY & GOVERNMENT ACTIVITIES/ CHAPTER PROGRAM ACTIVITIES

(This section is divided into two parts: (1) Technical, Energy & Government Activities, and (2) Chapter Program Activities. Each part has its own point system. The Technical, Energy & Government Activities Regional Vice Chairs will be reporting points for both parts.)

1. TECHNICAL, ENERGY & GOVERNMENT ACTIVITIES COMMITTEE

PAR = 300 points
 MAXIMUM = See each activity
 MINIMUM = 150 Points

ASHRAE's social responsibility is emphasized by promoting energy efficient designs through the Technology Awards program, participating in the Government Affairs Awards Program and encouraging outreach to government, business and professional groups. All governmental appointments as a technical resource in ASHRAE's field will be recognized, as will technical presentations to outside groups, expert testimony and liaison with government officials.

Participation by members in advancing ASHRAE technology and improving the quality of technical publications is emphasized. Recognition is given both for publishing peer-reviewed technical articles and for contributions to the peer-review process.

The point scores for these technical support activities are:

<u>ACTIVITY</u>	<u>POINTS DETERMINATION</u>	<u>POINTS</u>	<u>MAXIMUM</u>
Technology Awards	a) Each technology category with an entry into chapter competition	50	200
	b) Each chapter entry into regional competition	50	250
	c) Regional Award 1st Place	60	60
	d) Society Award		
	1st Place	100	100
2nd Place	70	70	
3rd Place	50	50	
	e) ASHRAE Award of Engineering Excellence	200	200
Government Affairs Awards	a) Each chapter entry into regional competition	50	50
	b) Regional Award - 1st Place	60	60
	c) Society Award		
	1st Place	100	100
	2nd Place	70	70
3rd Place	50	50	

<u>ACTIVITY</u>	<u>POINTS DETERMINATION</u>	<u>POINTS</u>	<u>MAXIMUM</u>
Chapter Outreach Activities	a) Each presentation on HVAC technology to a professional or business group ¹	50	150
	b) Each expert testimony or prepared statement to a legislative group	50	200
	c) Each appointment to a government advisory board, council or committee	25	200
	d) Each liaison with a state, provincial or local government official. ²	25	200

2. CHAPTER PROGRAM ACTIVITIES

PAR = 300 points
 MAXIMUM = See each activity
 MINIMUM = 150 points

Chapter programs are emphasized because they are a primary means for technology transfer to the membership. Quality programs of relevant technical interest, planned and publicized in advance, attract members to chapter meetings and strengthen ASHRAE's image in the community.

Recognition is given to chapters who assess program quality on an ongoing basis, based on feedback from attendees. Recognition is given also for advanced planning of programs and the use of Society-prepared programs.

<u>ACTIVITY</u>	<u>POINTS DETERMINATION</u>	<u>POINTS</u>	<u>MAXIMUM</u>
Technical Content	a. Each hour of a chapter technical session ³	25	100
	b. Each three-hour Technical Seminar (other than Refrigeration)	100	300
	c. Each use of a Society-prepared program at a chapter meeting	25	100
Quality ⁴	a. Each rated presentation	20	300
Planning ⁵	a. All topics for future meetings identified and communicate to members	100	100
	b. Future speakers identified; each speaker	10	200

¹ Professional or business groups are defined as ten (10) or more individuals.

² Chapter liaison is defined as an individual assigned to represent chapter as liaison to a specific group during the year.

³ Full technical session

⁴ Applies to both Technical Sessions and main programs. A rated presentation is defined as one for which written feedback is obtained from at least 10% of the attendees. The written feedback must be submitted to the TEGA Regional Vice Chair.

⁵ Applies to both Technical Sessions and main programs for chapter monthly meetings. Program planning must cover the monthly meeting period from September 1, 1992, through August 31, 1993. The planning for the 12-month period must be completed and submitted by December 1, 1992.

REFRIGERATION

PAR = 300 points
 MAXIMUM = See each activity
 MINIMUM = 150 points

One of ASHRAE's goals is to emphasize refrigeration as a fundamental technology of our Society. This PAOE category is intended to encourage chapter activities in education, technology advancement and outreach to outside organizations on refrigeration-related subjects. To qualify for credit in this category, an activity must address refrigeration fundamentals, equipment or systems. Refrigeration applications (except those related to human comfort) also qualify for credit.

The point scores for Refrigeration activities are as follows:

<u>ACTIVITY</u>	<u>POINTS DETERMINATION</u>	<u>POINTS</u>	<u>MAXIMUM</u>
Chapter Technical Session	Each Refrigeration subject session hour ¹	50	200
Chapter Programs	a) Each program featuring Refrigeration technology	100	400
	b) Each Refrigeration program for a student branch	50	150
	c) Each joint meeting with another refrigeration society	50	150
Chapter Refrigeration Seminars	Each 3 hour session ²	100	300
Member (Refrigeration)	Each new member with prime interest in refrigeration	10	100
TC/TG (Refrigeration)	Each member recruited for a Refrigeration Technical Committee or Task Group ³	50	150
Presentations to Outside Organizations	Each refrigeration-related presentation	50	150

¹ Technical session prior to and in conjunction with chapter meeting. Credit is in addition to that given in the Technical, Energy and Government Activities area.

² (Minimum 3 Hrs.) This credit is in addition to the credit given in the Technical, Energy & Government Activities area.

³ Biography submitted and accepted by TC/TG

AREA ASSIGNED MEMBERS

1992-93 PAOE-----

1992-93 Assigned Members

REGION I

<u>Chapter Name</u>	<u>Members</u>	<u>Students</u>
Boston	780	68
Rhode Island	133	2
Connecticut	550	37
Long Island	288	14
North Jersey	878	61
New York	826	166
Northeast	269	17
Central New York	369	20
Rochester	389	53
Niagara Frontier	228	4
Champlain Valley	115	16
Maine	157	40
Twin Tiers	126	2
Bi-State	227	5
Granite State	147	43

1992-93 Assigned Members

REGION II

<u>Chapter Name</u>	<u>Members</u>	<u>Students</u>
Quebec	182	33
Montreal	514	131
Ottawa Valley	352	7
Toronto	823	109
Hamilton	192	35
Halifax	172	7
London	107	15
New Brunswick	113	6
Saquenay-Lac St. Jean	34	79
Windsor	57	9
Mississauga	133	1



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

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

24 March 1993

TO: BOARD OF GOVERNORS

Peter Ziebart	- Vice President - Program
Kirk Flowers	- Secretary
Grant Hilliard	- Treasurer
Brenda Stonehouse	- Education Chair
Bill Ovington	- Refrigeration Chair
Michael Gubesch	- Membership Chair
Bert Fenner	- Historian
Dan Shah	- Technical, Energy and Government Activities Chair
Brad Deneau	- Publicity and Newsletter Chair
Darryl Boyce	- Research Chair (Past President)
Grant Miles	- Trade Show
Chris McKewen	- Reception

As you are probably aware Dalton McIntyre, our Regional Chairman, will be visiting us on the 29 March 1993. He would like to meet with the Board of Governors for about 30 to 45 minutes prior to the Chapter Meeting.

Could you please be available at 4:45 p.m. at the Highland for this meeting.

Thank you.

Owen R. Glendon, P.Eng.

P.S. Peter Ziebart:

Dalton would like an overhead projector for his presentation at the meeting. Can you please arrange.



RADIANT HEATERS LTD.

99 Chalet Cres.
London, Ont. N6K 3C5
(519) 657-1010

TELEFAX COVER LETTER - KIRK FLOWERS

FROM FAX NO. 1-(519)657-4398

TO FAX NO: 661-3801 FROM: Kirk Flowers
ATTENTION: Darryl Boyce SUBJECT: ASHRAE Minutes
COMPANY: U.W.O. Physical Plant DATE: April 8, 1993

We are transmitting 1 pages (including cover letter). If you do not receive all of the pages, please call (519)657-1010.

We are faxing the minutes of the March 29th Ashrae Board of Governors meeting.

Dalton requested that all chairmen tie up PAOE points by May.

Dalton pointed out that the Newsletter should include a standard disclaimer. Owen will pass this information on to Brad.

Darryl Boyce reminded Dalton that the London Chapter had made a request to host CRC '96. This would coincide with our twenty-fifth anniversary.

We adjourned to the dining room for our regular meeting.

AMERICAN SOCIETY OF HEATING, REFRIGERATING AND AIR-CONDITIONING ENGINEERS, INC.
1791 Tullie Circle, N.E.
Atlanta, Georgia 30329

MINUTES

CHAPTER London Canada Chapter MEETING DATE March 29, 1993
Indicate Type of Meeting: Chapter _____ Board of Governors X
ATTENDANCE: MEMBERS 7 GUESTS _____ COMPILED BY: Kirk Flowers
DISTRIBUTION: Retain the original for chapter files, mail one copy to your Regional Chairman and one copy to Manager, Membership Dept, ASHRAE, Atlanta

March 29, 1993.

1. A special meeting of the Board of Governors was called to order at 4:45 p.m. at the Highland Golf Course for a discussion with Dalton McIntyre, Region II DRC.
2. Present: O. Glendon, President
D. Boyce
B. Stonehouse
K. Flowers
P. Zeibart
G. Hilliard
B. Fenner
3. Dalton made a general review of the PAOE points recorded to date (some of the RVC's have not as yet computed their totals).

Owen Glendon confirmed that we are submitting Speaker Evaluation forms.

Dalton reminded all the Board members that they should keep ASHRAE membership forms in their briefcases to pass out to potential recruits. (Most are doing this.)

D. Boyce reported that he has \$2,275.00 collected and \$2,150.00 pledged for ASHRAE Research to date. This total of \$4,425.00 is considerably higher than the \$50.00 total which Dalton had recorded from headquarters. (Much to his relief.) Darryl mentioned that during the week of April 11th, all ASHRAE London members will be personally contacted by telephone to solicit additional funds. Darryl is confident that we will exceed our goal.

Dalton suggested that the chapter compile a list of ASHRAE members who would be available to outside organizations to speak on specialized engineering topics and raise the visibility of ASHRAE.

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

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

29 January 1993

TO: Board of Governors

Peter Ziebart	- Vice President - Program
Kirk Flowers	- Secretary
Grant Hilliard	- Treasurer
Brenda Stonehouse	- Education Chair
Bill Ovington	- Refrigeration Chair
Michael Gubesch	- Membership Chair
Bert Fenner	- Historian
Dan Shah	- Technical, Energy and Government Activities Chair
Brad Deneau	- Publicity and Newsletter Chair
Darryl Boyce	- Research Chair (Past President)
Grant Miles	- Trade Show
Chris McKewen	- Reception

The next Board of Governors meeting will be:

Tuesday, 2 February, 1993
Room 100, Services Building.
University of Western Ontario
4:45 p.m.

Congratulations! Our Chapter is currently leading Region II in reported PAOE points! (see totals). If your points are not reported, please do so now.

This is an indication of you reporting on time, and the general health of the Chapter. I ran into the Regional Vice Chairman in Chicago this week, and he was also pleased.

I have made arrangements that the door will be unlocked for the Board of Governors Meeting. Please try to be there by 4:45 p.m.

Please fill in the Committee Report enclosed.

ORG:mer



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

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

LONDON CHAPTER REPORT

February 2, 1993

Chairperson:

Committee Members:

PAOE Points to Date:

REPORT

Please bring one (1) extra copy to Meeting.

If unable to be present at meeting, FAX to Owen Glendon at 679-2145 by 4:00 p.m. 2 February, 1993.

1992/93 Presidential Award of Excellence
Period Ending 12/31/92

Chapter Name	Area Assg Mem	Membership Promotion Bonus							REFN Points	RP A	RP B	RP Points	CRC	EA	TEGA	CP	Total Points
		A	B	C	D	E	Men Points	CH Points									
BOSTON	760	0	100	0	0	25	407	0	376	0	0	41	0	620	200	510	2479
RHODE ISLAND	133	0	0	0	25	200	0	0	329	0	0	29	0	0	0	240	823
CONNECTICUT	550	0	0	0	25	146	0	0	0	0	0	21	0	130	310	380	1012
LONG ISLAND	288	0	0	0	0	255	0	0	428	0	0	132	0	437	760	475	2487
NORTH JERSEY	878	0	0	0	25	143	0	0	0	0	0	46	0	200	415	829	1985
NEW YORK	826	0	0	0	100	285	0	0	322	0	0	62	0	371	75	600	1895
NORTHEAST	269	0	0	0	0	112	0	0	0	0	0	20	0	180	415	1182	1824
CENTRAL NEW YORK	369	0	0	0	25	106	0	0	0	0	33	0	0	475	180	415	1182
WCHESTER	389	0	0	0	0	206	0	0	556	0	0	15	0	855	280	295	2167
NIAGARA FRONTIER	228	0	50	0	25	163	0	0	411	0	25	0	0	264	160	390	1565
HAMPLAIN VALLEY	115	0	0	0	0	203	0	0	438	0	0	17	0	310	615	1563	1563
WATNE	157	0	0	0	0	191	0	0	0	0	0	28	0	205	0	305	729
RWIN TIERS	126	0	0	0	0	159	0	0	0	0	26	0	0	350	0	360	915
31-STATE	227	0	0	0	50	241	0	0	347	0	0	53	0	0	0	240	931
FRANITE STATE	147	0	50	0	0	254	0	0	348	0	0	56	0	0	50	240	998
*** Region Totals :	5482	0	200	0	300	3051	0	3555	0	25	0	656	0	3907	2485	6060	20239
QUEBEC	182	0	0	0	0	201	175	444	0	0	7	0	0	100	20	0	947
MONTREAL	514	0	0	0	125	248	0	0	150	0	23	0	0	0	0	0	546
QUINCY VALLEY	352	0	0	0	25	195	600	0	0	0	21	0	0	0	0	0	641
TORONTO	623	0	0	0	50	188	0	0	0	0	32	0	0	0	0	0	270
WHITTON	192	0	0	0	0	226	0	464	100	0	36	0	0	0	0	0	825
MALFA	172	0	0	0	0	174	0	0	0	0	75	0	0	0	0	0	249
LONDON	107	0	50	0	0	268	0	549	200	0	4	0	0	0	0	0	1071
NEW BRUNSWICK	113	0	50	0	0	79	0	363	0	0	11	0	0	0	0	0	503
SAGUENAY-LAC ST JEAN	34	0	0	0	25	221	0	0	0	0	14	0	0	0	0	0	260
QUINCY	57	0	0	0	0	292	0	0	150	0	13	0	0	0	0	0	455
MISSISSAUGA	133	0	0	0	0	75	0	0	0	0	10	0	0	0	0	0	85
*** Region Totals :	2679	0	100	0	225	2167	775	1820	600	0	246	0	0	100	20	6053	6053
PHILADELPHIA	823	0	0	0	0	97	0	0	0	0	32	0	0	305	50	440	924
CENTRAL PENNSYLVANIA	290	0	0	0	50	176	0	401	0	0	375	0	0	150	65	65	1367
JOHNSTOWN	79	0	0	0	50	261	0	374	200	0	18	0	0	175	325	1403	1403
PITTSBURGH	321	0	0	0	25	160	0	0	0	0	29	0	0	130	60	710	1114
SALT MORE	730	0	0	0	75	221	0	500	0	0	25	0	0	50	110	230	1211
NATIONAL CAPITAL	914	0	0	0	100	246	0	0	0	0	31	0	0	150	0	585	1112
HAMPTON ROADS	154	0	0	0	0	108	0	0	0	0	25	0	0	275	0	0	408
RICHMOND	272	0	0	0	25	111	0	0	0	0	66	0	0	266	125	140	733
HEIGHT VALLEY	130	0	0	0	0	179	0	365	150	0	41	0	0	200	280	1215	1215
DELAWARE	219	0	0	0	25	101	0	366	100	0	100	0	0	285	150	320	1447
ROANOKE	184	0	0	0	0	91	0	0	0	0	26	0	0	0	0	160	277
ANTHRACITE	106	0	0	0	0	189	0	501	0	0	31	0	0	400	0	280	1401
*** Region Totals :	4222	0	0	0	350	1940	0	2507	450	0	799	0	0	2186	845	3535	12612

CHORLEY & PINE
LONDON

FILE NO. _____

REC'D JAN 26 1993

1066



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

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



10 December 1992

TO: Board of Governors

- | | |
|-------------------|--|
| Peter Ziebart | - Vice President - Program |
| Kirk Flowers | - Secretary |
| Grant Hillard | - Treasurer |
| Brenda Stonehouse | - Education Chair |
| Bill Ovington | - Refrigeration Chair |
| Michael Gubesch | - Membership Chair |
| Bert Ferner | - Nominations |
| Dan Shah | - Technical Energy and Government Activities and |
| Brad Dejean | Publicity and Newsletter Chair |
| Grant Hillard | - Research Chair (Past President) |
| | - 1980 Chair |

The next Board of Governors meeting will be

Monday, 14 Dec 1992, 8:00
Room 118, Services Building
University of Western Ontario
London, Ontario

1. At last month's meeting, I briefly mentioned that members are invited to submit proposals for the Chapter membership program - etc. I'd like to hear from you further.
2. Enclosed is a copy of the Regional Newsletter and how they are prepared. We'll meet this evening.
3. Now is a good time to indicate your interest in the program.
4. Please fill in your Committee Report and return it to me.

SEE YOU MONDAY!

ORG:mer



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

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

LONDON CHAPTER REPORT

December 14, 1992

Chairperson: _____

Committee Members _____

PAOE Points to Date: _____

REPORT

Please bring one (1) extra copy to Meeting.

If unable to be present at meeting, FAX to Owen Glendon at 679-2145 by October 5, 1992.

NOV 25 1992 page 1

ASHRAE REGION II NEWSLETTER

NOVEMBER - DECEMBER 1992

REGIONAL CHAIRMAN DALTON J. MCINTYRE

TO: CHAPTER PRESIDENTS - PLEASE PHOTOCOPY AND DISTRIBUTE TO YOUR BOARD AND EXECUTIVE MEMBERS, AND COMMITTEE CHAIRMEN.

1. CHAPTER PRESIDENT - Is this going to be your year to earn the Golden Gavel Award or the new Communications Award? Here are the criteria.

Golden Gavel Award - Your chapter must have a minimum of par in every category of the PADE point schedule, and must have percentages of improvement over last year that exceed other chapters that are eligible to be considered.

Communications Award - Points will be allotted by each of the Regional Vice-Chairmen, the Regional Historian, and the Regional Chairman, for receipt of documents from each chapter. This will include, chapter newsletters, minutes of chapter meetings, minutes of Board of Governors meetings, response to requests for information etc. We will also check with Atlanta re documents that they are to receive. Instructions on this are included in the new Manual of Chapter Operations that you should have received recently. If you are not receiving some chapter newsletters, please let me know, as this may involve negative points for that chapter.

2. CHAPTER PRESIDENT-ELECT - At the CRC, you were given an advance copy of the PADE point schedule for this year. Attached to this newsletter is a copy of our chapter visit information form that may help you to track the progress of your chapter committees. Please forward a copy of this form updated to the end of December, by the first week of January, so that I can prepare a valid report to Regions Council at the winter meeting in Chicago.
3. CHAPTER SECRETARY - Have you read your copy of the Manual of Chapter Operations, particularly item 1.4? You can have a substantial influence on your chapter's eligibility for the Communications Award.
4. CHAPTER NEWSLETTER EDITOR - Have you read Section 4 of the Manual of Chapter Operations, that you are supposed to receive from your executive? Have you received copies of the chapter newsletters from each of the other chapters in Region II? These are to give you some ideas of how to improve your chapter newsletter.
5. REGION II CRC '92 MOTIONS - STATUS - Regions Council decisions.
92-3 Halifax Chapter - Motion modified as follows:
That residential and multi-residential buildings be added to the categories included in the Technology Awards activities.

Referred to Technical, Energy, and Government Affairs Committee.

92-1 Ottawa Valley Chapter - Motion modified as follows:

That membership application information, may be translated by the Region into the language of their choice, but the application form must be completed in english. Revised motion was passed.

Background Information - The volunteer members of the Admissions and Advancement committee communicate in english.

92-2 Ottawa Valley Chapter

The guidelines for the Gold Ribbon Award and Certificate be modified as follows: The first entry to cover the founding and the first five to ten years for the chapter. Subsequent entries to be in ten year segments until the chapter history is up to date. The existing criteria would then apply with the five year up-dates.

Motion referred to Historical Committee

92-3 Ottawa Valley Chapter -

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

Action item to clarify role of research promotion and Membership Committees regarding reimbursement policy.

92-4 Ottawa Valley Chapter

That the Presidential Newsletter addressed to "chapter Presidents" outlining the FAOE for 93/94 include within the reporting procedure, instructions and approximate dates for the chapters to report to the Region. Motion Defeated

Background Information - The FAOE are to instruct their committee chairpersons accordingly.

92-5 Toronto Chapter

That the Charter for Mississauga Chapter be withdrawn, and that the previous border between Hamilton and Toronto Chapters be reinstated. Motion Carried

92-1 London Chapter -

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

92-1 Windsor Chapter -

That ASHRAE should study the development and establish the cost of a PC software package for use by chapter secretaries, to facilitate the preparation of meeting minutes, by simply filling in the blanks.

Motion deferred to software sub-committee of the Region's Council.

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

ASHRAE / 1791 Tullie Circle, NE. / Atlanta, GA 30329

Dalton J. McIntyre
Director and Regional Chairman
Region II

Office: 732 Southgate Dr. W.
Ottawa, Ontario
K1V 7A1
PHONE 613/832-1683

MEMORANDUM

1992-11-22

To: Owen Blendon, President of London Chapter

1. DOCUMENTS -
 - .1 November - December Regional Newsletter. Please make sure that everyone who should get a copy.
 - .2 Regional Roster updated version. There are only two minor corrections.
 - .3 Chapter meeting dates, theme nights, and chapter visit dates.
 - .4 Chapter Visit reporting form. I am asking the President-elect to use this form in reporting the chapter status to the end of December.

2. CHAPTER VISIT SCHEDULE
 - .1 My visit is scheduled for March as requested previously.

3. COMMUNICATIONS
 - .1 I have not received any chapter meeting minutes, nor board of Governors minutes since you moved office. Chapter meeting minutes are required in addition to any coverage in subsequent issues of the Newsletter.
 - .2 Some of your programs have been mentioned in the October (September 26) Newsletter. These should be completed for the year, including the speaker, if possible, in your November issue.

Dalton J. McIntyre
Dalton J. McIntyre, P. Eng.

AMERICAN SOCIETY OF HEATING, REFRIGERATING AND AIR-CONDITIONING ENGINEERS, INC.
1791 Tullie Circle, N.E.
Atlanta, Georgia 30329

MINUTES

CHAPTER London Canada Chapter MEETING DATE October 8, 1992
Indicate Type of Meeting: Chapter _____ Board of Governors X
ATTENDANCE: MEMBERS 11 GUESTS _____ COMPILED BY: Kirk Flowers

DISTRIBUTION: Retain the original for chapter files, mail one copy to your Regional Chairman and one copy to Manager, Membership Dept., ASHRAE, Atlanta

1. Meeting called to order at 4:45 p.m. at University of Western Ontario.
2. Present; O. Glendon, President,
D. Boyce, M. Gubesch,
D. Shah, P. Ziebart,
G. Hilliard, B. Deneau,
G. Miles, K. Flowers,
B. Ovington, B. Fenner
3. Program B. Ovington has arranged Oct. 26th meeting. 5:30 to 6:30 — Tech Session on Refrigerant Reclamation. The main program speakers from Trane, Carrier, and York will be given thirty minutes each to present their company's direction in developing alternate refrigerants to meet the C.F.C. Elimination Mandate. Owen Glendon will draft a letter to be sent to institutional and government buyers that may be interested in the topic.

November Meeting - Spouses Night

Peter has reserved fifty seats at the Top of the Fair at the Western Fairgrounds. Dinner costs \$23.50 each. The Board decided to charge \$30.00 per couple for this night at the races or \$25.00 per individual.

January Meeting - Designated as an Education Night

Darryl will investigate the possibilities of dining at the U.W.O. Faculty Club. The presentation will be on solar power for automobiles. *50 people*

February Meeting - Designated T.E.G.A.

Dan Shaw is in charge of arranging the program.

March Meeting - Designated Research Night

Darryl Boyce is making the necessary arrangements.

April Meeting - Designated Technical Tour Night

It was suggested that a tour of One London Place might be appropriate to see the working results of the model that Sifton Properties presented at a meeting last year.

May Meeting - Topic Undecided

4. The program evaluation of James LeBer, last month's speaker was positive from all board members.
5. G. Miles has organized an additional meeting sponsored by Ontario Hydro for November 11th and 12th to discuss Standard 90.1. Dan and Owen will draft a letter of welcome from the ASHRAE Chapter for inclusion in the package of registration material.
6. Committee Reports:
 - (a) Research - no action report this month
 - (b) Educational Activities - B. Stonehouse reports that she visited the U.W.O. Student Chapter on Sept. 26th and signed up twenty-eight members.
 - C.B. & F. has extended an invitation to mechanical engineering students to visit their plant in Kitchener on October 13th. Chapter members have also been invited. Owen Glendon will represent the Board of Governors at this function.
 - (c) T.E.G.A. - Engineering offices in the city will be reminded of the submission deadline for Energy Awards.
 - The Board discussed how best to make architects and government agencies, contractors etc. aware of ASHRAE publication assistance resources etc. A bill to amend "The Operating Engineers' Act" in Ontario has been pending for several years. The Toronto Chapter has drafted a letter to the Premier urging attention to the bill and they have asked other chapters to join them in writing letters. Owen will rework the Toronto letter and fax it to the B. of G. for consideration.
 - (d) Membership - Mark has had four requests for new membership forms. Three new ASHRAE members have been assigned to the London area and Mark has contacted them regarding local Chapter membership. Mark will try to approach individual members at future meetings to discuss upgrading.
 - (e) Trade Show - Grant reports that there is continued interest in the L.D.C.A. Trade Show.
 - (f) Treasurer's Report - Darryl Boyce is still auditing past years financial ledgers. Grant Hilliard will have the signature cards updated for 1992.
 - (g) Historian's Report - Burt took photos at the Past President's Night and also at C.F.C. in Halifax to be put into our archives.

7. New Business - D. McIntyre would like to visit the Chapter on October 26th. Because of the length of this meeting Owen is going to request an alternate date. J. Pollock, Regional Refrigeration, will be in attendance at the October 26th meeting. The President will draft a letter to express the B. of G.'s unanimous disapproval of the C.R.C. meeting date in 1993 now scheduled for September.
8. K. Flowers requested permission to organize a family day for a Blue Jay game in the spring.

The meeting was adjourned at 6:10 p.m.

MINUTES

CHAPTER London Canada Chapter MEETING DATE November 10, 1992

Indicate Type of Meeting: Chapter _____ Board of Governors X

ATTENDANCE: MEMBERS 7 GUESTS _____ COMPILED BY: Kirk Flowers

DISTRIBUTION: Retain the original for chapter files, mail one copy to your Regional Chairman and one copy to Manager, Membership Dept., ASHRAE, Atlanta

1. Meeting called to order at 5:10 p.m. at University of Western Ontario.
2. Present; O. Glendon, President,
D. Boyce,
K. Flowers,
M. Gubesch,
D. Shah,
B. Stonehouse,
P. Ziebart,
3. The minutes of our last meeting were read. D. Boyce moved to accept the minutes of our October meeting. The motion was seconded by M. Gubesch.
4. Old Business
Owen followed up the Board of Governors' concern about moving the CRC '93 to September. Apparently it was a decision made by the Regional Chairmen and it is too late to change for this year. A suggestion was made that we should make a motion at the CRC to return the meeting date to the last week in August.
5. Committee Reports
(a) Membership
Mike Gubesch reported one new member. Two upgrades have been filed. Five new applications have been sent out to prospective members. Mike is going to telephone members about potential upgrading.

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1 ORG	

..... page two

(b) Education

Stonehouse reported that enrollment in 1992 is up from sixteen to twenty-two students. Brenda attended this year's second meeting on Sunday, November 9th. Some students expressed concern that they were not receiving the News Letter. (It was decided that it will be posted in a more prominent position.) Brenda would like to assemble a panel of engineers to talk to the students in November about various employment opportunities in manufacturing, sales, and design. The program whereby consulting firms invite a student to spend a day observing their routine will be renewed this year. Brenda will include a form in an upcoming news letter for members to report any continued education involvement.

(c) Research

Chapter goal for 1992-3 is \$5,300.00. \$3,560.00 was collected last year. Daryl Boyce will contact major corporate donors. A telephone pool to contact individual members was discussed.

(d) Programs

The November meeting has been shifted to Wednesday, December 2nd. The January meeting will be on the 18th to avoid conflict with Ashrae Winter Meeting.

5. New Business

Owen Glendon will send a letter to the Premier's office in support of the Toronto Chapter's letter requesting action on the bill to amend "The Operating Engineer's Act".

There was some discussion on how best to introduce technical sessions at our monthly meetings to get better attendance.



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

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

LONDON CHAPTER REPORT

April 13, 1993

Chairperson: DARRYL K ROYCE

Committee Members: _____

PAOE Points to Date: _____

REPORT

Research contributions collected to date are \$2700.00 which is 51% of the chapter goal of 5300.00 and \$1675.00 in pledges. I still have a number of contacts to complete with past contributors and new contributors. We should be able to exceed our goal of 5300.00 by June of 1993.

The Chapt. Proxation is planned for the week of April 11, 1993; we still need 2-3 more people to make calls.

Please bring one (1) extra copy to Meeting.

If unable to be present at meeting, FAX to Owen Glendon at 679-2145 by 4:00 p.m. 13 April, 1993.

RESEARCH AND PROMOTION

Mail in plan to Dan within 2 weeks.

Action Plan: Look at ASHRAE Research Canada list for the 11 projects that are on-going in Canada. There are 10 in Region II.

See Section 6 in Manual. Follow the set of procedures outline in this book.

Have the Board of Governors contribute to the fund recognize them at one of the regular meetings.

(For Hydro, try to earmark the funds towards Energy Mngt and send a letter to Carmen Gicante. We did receive recent direction that there will be no more sponsorship of any kind. I saw the memo myself.)

There is a video that highlights the projects in Region II. Maybe show this at a meeting.

Order some brochures for major customers and volunteers.

In the next 3 weeks, solicit 5 calls. Tom Gilbertson will give you a call in about 3 weeks, and see how it went. His number is 510-374-4516 and fax is 510-631-0683.

Complete the last 2 pages in Section 2 with 2 weeks.

If you have any problems, then give Tom Gilbertson a call.

Peter Z.

Investments In ASHRAE Research

CHAPTER RESEARCH INVESTMENTS FIVE-YEAR HISTORY 1987-1991

REGION & CHAPTER	1987-88	1988-89	1989-1990	1990-1991	1991-1992
REGION I					
+ Bi-State	\$ 1,245 00	\$ 1,503 08	\$ 1,585 00	\$ 2,553 00	\$ 3,070 00
Boston	3,950 00	5,883 00	10,356 00	5,530 50	4,287 00
Central New York	18,334 00	15,369 40	21,304 17	13,918 40	19,125 00
Champlain Valley	2,550 00	2,690 00	2,120 00	3,215 00	2,835 00
+ Connecticut	5,032 00	890 26	6,570 00	7,940 56	8,125 35
Granite State	2,170 00	3,099 00	2,695 00	2,649 50	2,382 48
Long Island	6,030 00	3,534 00	5,175 00	7,860 00	6,813 00
Maine	2,164 50	2,096 00	3,100 00	2,800 00	1,185 00
New York	11,113 00	11,820 00	21,240 00	19,248 00	18,350 00
+ Niagara Frontier	3,181 00	3,428 95	3,985 00	4,402 00	4,765 65
North Jersey	16,563 80	14,431 00	15,850 00	10,674 00	9,840 00
+ Northeast	4,315 00	4,705 00	4,777 00	4,528 00	6,241 60
Rhode Island	1,983 96	1,420 00	1,813 00	990 00	1,600 00
Rochester	10,143 50	6,831 00	13,651 80	14,547 00	14,283 00
Twin Tiers	4,096 50	5,381 00	4,376 62	5,166 80	5,646 40
TOTAL	\$95,372.25	\$85,034.94	\$118,643.59	\$106,102.76	\$108,829.48
REGION II					
Halifax	\$ 2,160 00	\$ 4,079 00	\$ 7,538 44	\$ 6,663 20	\$ 3,393 45
Hamilton	5,109 95	6,380 70	5,045 00	8,995 00	6,859 45
* London Canada	2,471 00	4,176 60	2,580 00	5,160 00	3,560 00
Mississauga	448 26	295 00	995 00	269 20	1,510 12
Montreal	4,943 53	2,681 74	6,854 05	4,449 60	3,696 07
New Brunswick	945 00	2,502 70	2,250 00	2,980 00	2,494 94
Ottawa Valley	11,789 37	14,635 00	13,041 18	6,660 00	7,817 16
+ Quebec	1,533 50	1,885 00	3,745 00	4,355 00	4,360 00
Saguenay Lac St Jean	660 00	1,625 00	1,385 00	385 00	465 00
Toronto	17,172 90	34,425 65	22,555 00	18,077 20	33,791 05
Windsor	1,775 00	3,365 00	2,656 00	3,405 00	3,240 00
TOTAL	\$49,008.51	\$76,051.39	\$68,644.67	\$61,619.20	\$71,187.24
REGION III					
* Anthracite	\$ 16,115 00	\$ 4,307 00	\$ 5,404 94	\$ 6,000 00	\$ 4,940 49
Baltimore	18,942 44	24,315 00	27,405 47	24,181 60	20,476 26
+ Central Pennsylvania	10,277 38	10,914 58	13,089 27	12,124 10	24,019 00
Delaware	8,356 40	6,325 00	7,471 25	9,495 00	10,667 65
Hampton Roads	5,127 00	8,490 00	9,435 00	2,135 00	4,090 00
Johnstown	2,612 17	3,661 00	4,360 00	4,325 64	3,830 00
Lehigh Valley	3,563 00	3,402 50	4,685 00	3,771 46	4,673 48
* National Capital	12,528 00	7,783 97	18,980 69	14,195 08	23,953 00
Philadelphia	12,130 60	11,908 00	16,829 75	11,686 24	12,547 15
Pittsburgh	7,524 00	11,515 00	10,318 00	8,773 00	9,086 00
* Richmond	13,140 90	15,243 70	16,101 00	18,165 00	12,675 00
Roanoke	6,472 00	8,015 00	8,330 00	6,840 00	7,515 00
TOTAL	\$116,788.89	\$115,880.75	\$142,410.37	\$121,692.12	\$138,473.03
REGION IV					
+ Atlanta	\$20,865 77	\$20,718 54	\$22,657 12	\$24,343 76	\$27,759 13
+ Charleston	2,230 00	2,401 50	2,805 00	3,797 90	3,805 00
Greenville	5,475 00	6,800 00	8,259 94	7,372 00	8,140 92
+ North Piedmont	6,959 20	8,539 00	10,368 17	11,699 00	13,262 21
* South Carolina	3,997 00	3,315 00	3,255 00	4,121 77	5,030 47
* Southern Piedmont Triangle	12,234 73	12,213 20	17,361 81	18,153 88	12,926 51
TOTAL	\$63,491.97	\$61,781.61	\$78,960.64	\$83,701.94	\$77,772.26
REGION V					
+ Akron/Canton	\$ 1,398 34	\$ 1,020 00	\$ 1,505 00	\$ 2,648 00	\$ 2,844 38
* Central Indiana	5,889 16	5,824 59	6,303 68	7,020 00	3,803 50
Central Michigan	916 40	985 00	2,787 49	440 00	2,466 75
Cincinnati	4,080 00	5,036 25	9,740 14	8,386 88	9,494 02
Cleveland	10,711 08	10,204 75	11,340 00	2,370 00	6,550 00
+ Columbus	4,500 00	6,082 75	6,316 00	9,157 80	9,575 80
Dayton	5,955 00	8,031 00	7,255 00	7,623 13	9,319 89
Detroit	14,670 02	17,733 17	18,068 00	12,795 52	14,215 00
Eastern Michigan	1,207 60	2,278 00	1,601 50	1,873 12	1,750 00
Evansville	114 30	390 00	105 00	240 00	1,735 00
* Ft. Wayne	1,382 00	1,585 00	1,650 00	1,675 00	1,197 75
* North Indiana	1,225 00	965 00	1,366 84	1,215 00	1,515 00
Toledo	3,836 36	2,950 00	2,870 00	2,455 00	2,980 00
Western Michigan	1,043 25	3,621 50	4,831 50	2,481 50	4,346 50
TOTAL	\$56,928.51	\$66,707.01	\$75,740.15	\$60,380.95	\$71,793.59
REGION VI					
+ Central Illinois	\$ 2,119 45	2,739 62	\$ 3,056 22	\$ 3,316 81	\$ 5,111 80
Chicago	6,856 50	6,554 00	6,665 00	5,571 50	3,480 00
* East Central Illinois	2,240 77	1,406 22	2,024 00	2,490 60	2,315 43
Illinois	22,177 00	27,407 45	24,798 10	21,849 02	33,749 50
Iowa	7,836 00	10,030 00	11,200 00	8,450 00	8,715 00
+ La Crosse Area	3,386 85	3,405 00	4,675 00	6,296 00	27,728 50
+ Madison	5,267 87	5,795 00	7,062 20	7,635 00	8,715 00
+ Minnesota	22,530 00	24,745 14	25,902 86	28,514 00	33,470 00
Mississippi Valley	5,555 00	3,715 00	3,714 00	5,715 00	5,123 50
+ Northeast Wisconsin	2,250 00	2,105 00	2,258 00	2,628 42	4,061 00
+ Rockford	2,722 50	2,812 00	5,382 00	4,707 00	5,425 00
+ St. Louis	12,008 54	14,150 00	15,255 00	16,604 00	16,675 40
Wisconsin	12,280 00	12,049 27	27,865 00	25,497 28	27,161 00
TOTAL	\$107,230.48	\$116,913.70	\$139,857.38	\$139,274.63	\$181,731.13

+ 1991-92 High Five Award Recipients

* Candidates for 1992-93 High Five Award

REGION & CHAPTER

1987-88

1988-89

1989-1990

1990-1991

1991-1992

REGION VII					
Baton Rouge	\$ 560 00	\$ 2 060 00	\$ 2 085 00	\$ 1 645 00	\$ 1 540 00
+ Birmingham	6 490 00	6 725 00	8 310 00	7 490 00	10 965 00
Bluegrass	2 678 00	4 267 00	4 269 73	2 541 00	1 968 25
East Tennessee	7 598 00	7 804 00	9 395 00	8 617 34	9 055 00
Louisville	4 632 66	4 069 50	7 650 00	4 900 00	9 951 66
* Memphis	7 333 50	9 775 85	10 725 00	13 708 52	10 715 00
+ Mississippi	5 000 00	3 558 00	5 566 00	6 605 50	7 161 97
+ Mobile	2 690 00	3 175 00	3 120 00	3 618 00	3 730 00
+ Montgomery	840 00	2 495 00	2 844 00	3 427 00	3 430 00
Mountaineer	---	---	1 190 00	1 679 84	1 280 00
+ Nashville	8 602 00	8 973 00	10 485 00	11 733 40	12 525 00
New Orleans	3 270 00	3 100 00	5 248 85	3 405 00	2 260 00
North Alabama	2 730 00	2 272 75	1 740 00	820 00	660 00
* Northwest Florida	2 330 00	1 295 00	2 500 00	1 595 00	2 745 00
Tennessee Valley	2 239 00	2 093 00	1 080 00	1 449 12	1 985 00
Tombigbee	539 01	1 800 54	2 585 00	2 518 40	1 980 00
TOTAL	\$57,532.17	\$63,463.64	\$78,793.58	\$75,753.12	\$81,951.88
REGION VIII					
+ Alamo	\$ 6 879 00	\$ 8 300 70	\$ 4 636 50	\$ 9 615 79	\$ 11 075 00
+ Arkansas	9 872 96	13 042 67	14 826 48	15 096 00	23 761 94
* Austin	9 926 00	14 082 50	21 798 90	27 191 00	22 440 59
* Central Oklahoma	17 447 69	16 323 00	21 355 89	34 520 31	31 243 60
* Dallas	15 828 00	11 084 50	11 985 00	19 667 48	25 111 50
+ East Texas	3 416 45	3 260 80	3 662 00	4 261 80	4 310 00
Ft Worth	13 939 00	12 369 19	17 627 24	16 744 10	12 519 67
* Houston	12 401 83	10 983 64	13 106 00	21 047 50	15 709 19
+ Northeastern Oklahoma	8 472 00	10 240 00	11 373 78	13 200 96	13 209 88
Shreveport	4 333 00	5 920 00	3 375 00	7 833 79	5 363 60
* South Texas	765 00	500 00	657 00	985 00	2 170 83
West Texas	3 802 90	4 691 92	2 933 80	3 367 00	4 475 00
TOTAL	\$107,083.83	\$110,798.92	\$127,337.59	\$173,530.73	\$171,380.80
REGION IX					
Big Sky	\$ 2,960 00	3,664 04	2,351 75	\$ 4,412 00	\$ 745 00
Black Hills Area	1,365 00	2,225 00	1,875 00	1,570 00	2,475 00
El Paso	4,366 00	4,920 00	5,135 00	4,455 00	2,210 00
Idaho	2,815 00	3,390 00	3,035 00	4,450 00	4,265 00
+ Kansas City	8,615 00	10,819 00	8,855 00	11,525 49	14,772 04
* Nebraska	14,616 00	18,286 00	16,796 60	20,552 92	18,116 93
* New Mexico	8,010 00	4,066 00	4,230 00	8,065 00	6,863 00
* Ozarks	2,170 00	860 00	2,048 00	2,510 00	1,405 00
+ Pikes Peak	1,640 00	1,885 00	1,955 00	2,450 00	3,040 00
Rocky Mountain	3,160 00	14,223 00	17,054 31	12,941 00	14,500 00
+ South Dakota	5,622 00	6,324 00	7,007 45	7,011 32	8,089 00
+ Utah	8,023 70	9,490 00	10,712 50	15,025 00	15,095 00
* Wichita	5,664 90	4,774 99	5,694 99	7,485 99	5,870 00
TOTAL	\$69,027.60	\$84,927.03	\$86,750.60	\$102,453.72	\$97,445.97
REGION X					
Central Arizona	\$ 7 210 00	\$ 405 00	\$ 11 700 00	\$ 3 170 00	\$ 9 840 00
Golden Gate	11 987 40	7 880 00	6 597 00	2 708 76	25 879 87
+ Hawaii	9 506 00	10 001 00	11 300 00	12 550 00	16 625 00
Northern Nevada	3 485 59	4 831 38	3 825 06	8 480 37	3 400 00
Orange Empire	16 105 00	20 251 07	17 618 39	6 830 00	6 425 00
Sacramento Valley	3 485 00	10 262 50	4 970 00	6 564 00	10 585 00
San Diego	8 811 00	10 151 00	8 735 00	4 965 00	6 427 00
San Joaquin	3 885 50	3 543 00	3 950 00	2 235 00	1 317 50
San Jose	7 341 00	8 186 75	8 570 00	6 613 00	4 045 00
* Sierra Delta	1 495 00	1 555 00	1 965 00	3 015 00	2 015 00
Southern California	21 637 50	12 300 00	19 015 00	14 800 00	12 007 48
Southern Nevada	9 375 90	3 840 00	235 00	6 085 00	4 330 00
Tri-County	---	600 00	3 215 00	1 223 00	2 723 00
Tucson	250 00	500 00	35 00	465 00	180 00
TOTAL	\$104,574.89	\$94,376.70	\$101,835.45	\$79,819.13	\$105,954.85
REGION XI					
+ Alaska	\$ 2 210 00	2 185 00	\$ 3 280 00	\$ 3 505 00	\$ 4 233 00
* British Columbia	10 319 16	13 630 00	15 926 60	19 074 10	15 112 47
Inland Empire	1 106 08	485 00	555 00	1 079 60	415 00
Manitoba	325 00	6 134 10	2 335 00	3 068 00	85 00
* Mid-Columbia	355 00	480 00	755 00	810 00	195 00
Northern Alberta	7 355 00	9 795 00	11 570 00	5 775 44	4 491 26
Oregon	10 254 00	8 733 16	11 137 00	8 015 00	10 203 55
Puget Sound	5 244 15	7 917 00	7 640 00	7 440 00	10 699 77
Regina	5 720 00	2 895 00	7 056 00	0 00	4 416 00
Saskatoon	5 140 00	4 005 00	4 126 00	4 056 40	2 246 00
Southern Alberta	7 898 69	9 435 62	12 603 00	8 395 00	7 875 00
* Vancouver Island	1 100 00	6 284 00	7 970 00	8 440 20	8 065 00
TOTAL	\$57,027.08	\$72,028.88	\$85,038.60	\$69,698.74	\$68,077.05
REGION XII					
+ Central Florida	\$ 2 761 70	7 113 05	\$ 8 460 72	\$10 123 96	\$ 11 853 22
Florida West Coast	12 723 22	15 184 69	14 150 00	12 577 92	15 831 15
Gold Coast	3 420 18	2 785 00	6 662 00	4 135 00	4 830 00
+ Gulfstream	2 339 00	3 563 49	2 444 71	6 501 80	7 652 75
+ Jacksonville	6 833 60	10 000 00	13 588 09	15 429 10	16 451 87
Miami	4 769 80	5 930 00	10 471 61	3 919 00	3 380 00
Puerto Rico	209 00	1 924 00	495 00	1 050 00	3 575 00
* Southwest Florida	262 39	1 535 00	2 147 20	3 285 00	3 019 25
Space Coast	831 70	953 00	1 351 78	578 10	85 00
TOTAL	\$34,728.20	\$49,303.23	\$59,806.11	\$57,599.88	\$66,678.24
CHAPTERS-AT-LARGE					
+ Hong Kong	\$ 485 40	\$ 790 00	\$ 795 00	\$1 125 00	\$1 671 00
India	---	---	---	\$ 0 00	85 00
Malaysian	140 00	376 55	55 00	\$ 275 00	705 00
+ Singapore	160 00	385 00	535 05	\$ 630 00	974 00
Tawan	---	---	280 00	\$ 155 00	800 00
TOTAL	\$1,340.40	\$2,099.55	\$1,665.05	\$2,185.00	\$4,235.00
REGIONS TOTAL	\$920,134.79	\$999,366.35	\$1,165,483.78	\$1,133,811.00	\$1,245,320.54
INTERNATIONAL	7,793.50	8,691.00	14,131.98	\$20,216.00	\$20,049.76
OTHER	---	---	10,000.00	\$29,113.50	\$38,190.00
GRAND TOTAL	\$927,928.29	\$1,008,057.35	\$1,189,615.76	\$1,183,141.42	1,303,560.30

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

LONDON CHAPTER

REPORT

May 11, 1993

Chairperson: Darryl K. Boyce

Research Promotion:

The research promotion campaign is nearing completion. We have forwarded \$4,025.00 to Atlanta and have pledges totalling \$1,985.00, which would amount to a total contribution of \$6,010.00. I believe that we should be able to achieve our chapter goal of \$5,300.00 by June 30, 1993.

I would like to thank Brad Deneau and Owen Glendon for their support in the Phonathon. The Phonathon was a great success; we contacted 49 area members and received pledges from 22 members, for a total of \$710.00 (list of Phonathon contributors attached).