

## Chapter Report.

- The 1991/92 Society year was the London Canada Chapter's 20<sup>th</sup> year of operation and the anniversary was celebrated at the Past President night in May.
- As President of the Chapter I focused on improving communication and this appears to have been successful in the ~~face~~ area of local membership and we started off the year well but the absence of our secretary for four months threw off our communication with the region and Society a bit.  
~~Reached the 20th membership Refinement~~
- We have been successful in increasing interest in Chapter activities. Chapter membership increased from 47 - 53 and meeting attendance increased from 37 - 40.
- We have established a Past President Advisory committee to support and assist the Board of Governors on special projects.
- We continue to co-sponsor a Construction Trade show which increases the visibility of our chapter and industry and also provides funding & support research contributions and attendance <sup>of committee</sup> at the Chair at the RC (5 at this event)

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- The diversified <sup>chapter</sup> program and the revitalized newsletter have had a very positive effect on the chapter.

- Our research promotion level was below the target but the level was actually in keeping with our normal level. The increase in target resulted in an out of sequence contribution from one of our large contributors.

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names of the people  
who were present at  
the meeting.

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

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

10 November 1992

Mr. J. Doe  
123 Anywhere Street  
SOMEPLACE, Ontario  
A1B 2C3

Dear Mr. Doe:

Your name has been supplied to me by the ASHRAE Society as a member whos annual dues are delinquent.

As I'm sure you know, Society membership is a prerequisite to local membership. As a member whose dues are unpaid after six months, you will no longer receive the ASHRAE Journal, Insights nor any other Society mailings.

Since there is an inevitable time lag between the date you may have mailed dues and the date I receive the computer print-out, I would appreciate your checking your records.

If you should have any questions, please feel free to contact me. Thank you very much for your cooperation.

Yours sincerely,

Michael G. Gubesch  
Membership Promotion Chairman  
c/o Chorley & Bisset Ltd.  
521 Colborne Street  
LONDON, Ontario  
N6B 2T6  
(519) 679-8660

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**ASHRAE**

**General Meeting Minutes**

Chapter: London  
Meeting Date: January 20, 1992  
Attendance: Members: 26  
                  Guests: 15  
                  Students: 12  
Compiled By: Darryl K. Boyce

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1. Meeting called to order at 6:45 p.m. at The University of Western Ontario, University Club. Presiding officer: Darryl K. Boyce, President.
2. Self introductions were conducted by all members and guests in attendance.
3. Reports:
  - **Treasurer** - \$9,069.00 in savings, and \$377.00 in general account. All invoices to date are paid, and the number of paid members to date is 31.
  - **Educational Activities** - Committee Chair John Reid welcomed the large turnout of student members. and reported that The University of Western Ontario Student Branch is very active and the student members are soliciting help in establishing HVAC&R engineering projects for their fourth year 400 course.
  - **Membership Promotion** - To date only 35 of the 61 members listed in the Chapter Roster have paid their dues. Please get your dues payment in ASAP.
4. Old Business: None
5. New Business: None
6. Speaker:

Dr. Donald L. Allen, P.Eng., presented a very thorough and interesting technical discussion on the complex topic of noise and vibration control. Methods to resolve sound and vibration generated problems were presented, with a number of examples. Dr. Allen's presentation was enjoyed by the capacity audience, and a binder containing extensive technical data was provided to interested members and guests.
7. The meeting adjourned at 9:25 p.m.

CHAPTER MAY NOT ACT FOR SOCIETY







**ASHRAE**

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

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**ASHRAE**

**General Meeting Minutes**

Chapter: London

Meeting Date: February 24, 1992

Attendance:           Members:    24  
                                  Guests:       17  
                                  Students:    0

Compiled By:           Darryl K. Boyce

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1. Meeting called to order at 6:35 p.m. at the Highland Golf & Country Club. Presiding Officer: Darryl K. Boyce, President.
2. Self introductions were conducted by all members and guests in attendance.
3. Reports:
  - **Research Promotion** - Tom Drennan reported that the research promotion activities are finally getting into full swing, and a total of \$825.00 has been collected to date. The Board of Governors has pledged \$1,000.00 as a Chapter donation.
  - **Program** - Kirk Flowers reported on the April meeting which is to be a tour of the Sky Dome, which will include attendance at a Blue Jays Game to be held on April 29, 1992. There are a limited number of spaces, so act fast -- first come, first served.
4. Old Business: None
5. New Business: None
6. Speaker:

William Braun presented an interesting synopsis of engineering principles utilized in the construction of London's tallest building -- One London Place. The presentation covered every aspect from the foundation through to the computerized building controls, and the unique ice storage system.
7. The meeting adjourned at 9:10 p.m.

CHAPTER MAY NOT ACT FOR SOCIETY



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**ASHRAE**

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

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**ASHRAE**

**General Meeting Minutes**

Chapter: London  
Meeting Date: April 6, 1992  
Attendance: Members: \_\_\_  
                  Guests: \_\_\_  
Compiled By: Darryl K. Boyce

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1. Meeting called to order at 6:30 p.m. at the Highland Golf & Country Club. Presiding Officer: Darryl K. Boyce, President.
2. Self introductions were conducted by all members and guests in attendance.
3. Reports:
  - **Nominating Committee** - Charles Clemance announced that as Chair of the Nominating Committee, he is seeking recommendations for members to fill the position of Chapter Treasurer. The slate of officers will be presented at the April meeting, and installation of the new executive will occur at the May meeting.
  - **Program** - Dick Palser presented information on the June Golf Tournament which will be held at the Ox Bow Golf Course on June 22, 1992. More information will be provided at future meetings.
  - **Regional Vice-Chairman Membership Promotion** - John Dugan presented information on the value of ASHRAE membership and Society's latest initiative to reinforce the contribution of members directly with their employers, and improve the appreciation of Society activities. John also congratulated the Chapter for the maintenance of a strong membership.
4. Old Business: None
5. New Business: None

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CHAPTER MAY NOT ACT FOR SOCIETY



6. Speaker:

Norm Taylor presented "Leadership: New Directions in Challenging Times." Norm presented a very informative presentation which covered the following areas:

- Why the Quality Service Revolution is so prevalent in North America.
- How does quality service affect the way businesses operate?
- What are the main elements of a Customer Service Program?
- The Art and Practice of the Learning Organization.

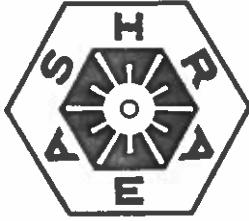
7. The meeting adjourned at 9:20 p.m.

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ASHRAE: VOLUNTEERS ADVANCING ENVIRONMENTAL TECHNOLOGY 2 1991

# PRESIDENTIAL NEWSLETTER

FACILITIES ENGINEERING & CONSTRUCTION	
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August 1, 1991

**TO:** Chapter Presidents  
ASHRAE Membership Promotion Committee  
ASHRAE Research Promotion Committee  
ASHRAE Educational Activities Committee  
ASHRAE Energy & Technical Activities Committee  
ASHRAE Refrigeration Committee  
Board of Directors

**SUBJECT:** 1991/92 PRESIDENTIAL AWARD OF EXCELLENCE (PAOE)

ASHRAE is, without question, the world's leading technical society dedicated to heating, ventilation, air conditioning and refrigeration. It has achieved this preeminent position as a result of the vision of our early leaders and their commitment to continuous improvement.

As ASHRAE nears the end of its first century and positions itself to begin its second, we should reflect on what brought ASHRAE to where it is today. Clearly, ASHRAE's past was optimism, dynamism and rejection of the status quo. ASHRAE was an organization that dedicated itself to improving the quality of its contributions—not just from time to time—but continuously.

Dedication to quality and to continuous improvement—the hallmark of our past—is the key to our future success. It is the focus of this year's presidential theme:

### "QUALITY: OUR ONGOING CHALLENGE"

This year's PAOE program incorporates several changes aimed at improving the quality of ASHRAE's chapter activities.

The most important of these is an increased emphasis on chapter programs. Chapter programs are a primary means for technology transfer to the members. Quality programs of relevant technical interest, planned and publicized in advance, attract members to chapter meetings and strengthen ASHRAE's image in the community.

Another change in this year's program is the establishment of lower par values for some categories of activities. These changes do not imply differing priorities—all categories are equally important—but are intended to provide a more level playing field, recognizing that opportunities for earning points in some categories are more limited than in others.

Chapter activities are ASHRAE's lifeblood. They are the foundation upon which our Society is built. Chapters that continually improve the quality of their programs, promote technical outreach in their communities and foster development of their members are sure to grow and prosper. And as the chapters prosper, so does the Society.

The PAOE program provided a framework for the chapters' pursuit of excellence. PAOE points provide a basis for measuring progress and rewarding achievement. But the ultimate goal of the PAOE program, and its ultimate reward, is the benefit that accrues from advancing the arts and sciences of heating, ventilation, air conditioning and refrigeration.

I wish you all a successful year.

Donald G. Rich  
President

# 1991-92 PAOE AWARD INFORMATION

Regular	(Red Emblem) Chapters that earn the PAOE for the current year must meet minimum requirements in seven out of eight 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, Energy and Technical 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 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. *Note: Final figures must be received at ASHRAE Headquarters no later than June 30, 1992. 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 Chairman, Membership Promotion.

**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 CHAIRMEN 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 CHAIRMAN must supply Headquarters with these figures for their respective Chapters.

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

**Refrigeration** - REGIONAL VICE CHAIRMAN must advise Headquarters of these figures.

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



# 1991 - 92 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, 1991 to June 30, 1992. The President's goal will be 3% net membership growth. New member growth is based on completed, paid memberships processed by the July 1, 1992 elections. (Note: All applications must be at Headquarters by May 15, 1992 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.

$$P_m = 100 \left( \frac{M_n}{.03M_a} \right) + 200 \left( \frac{.05M_a}{U} \right) + 100 \left( \frac{A}{.03M_a} \right)$$

Where:  $M_n$  = New members as approved by the Admissions and Advancement Committee prior to June 30, 1992.  
 $M_a$  = Area assigned member  
 A = Advancements  
 U = Unpaid Members (Minimum U is equal to .05M)

Bonus:	Points	Maximum
a) If membership is held constant or increases	100 pts. ea.	
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.	200 pts.
d) For achieving delinquency rate of 5% or less	200 pts.	
e) For each upgrade from Student Member to Associate, Affiliate or Member Grade within one year of graduation	25 pts.	

## 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<sub>a</sub> = Area Assigned Members

Bonus:	<u>Points</u>	<u>Maximum</u>
a) For having regularly scheduled summer meetings (July, Aug & Sept)	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. 100 pts. ea.	200 pts.
c) For establishing a new chapter section	100 pts. ea.	200 pts.
d) For maintaining an existing chapter section		

## 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 Educational Activities, Energy and Technical Activities, 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. To receive credit for attendance at any business session, workshop, caucus, etc., you must be present for the full duration of the function.

The point scores for CRC Attendance are:

	<u>Points</u>
Delegate and Alternate	50 pts. ea.
Chapter Committee Chairmen <sup>1</sup>	100 pts. ea.
Other Chapter Officers or Board Members	40 pts. ea.
All other Chapter Members (except Host Chapter)	35 pts. ea.
If a Delegate or Alternate misses a caucus or business session	<100>
If a Chapter is not represented by any chapter member in a workshop	<50>

Bonus:

- a) Chapters with less than 150 Area-Assigned Members (M) multiply points from table above by the formula shown below in order to obtain points.

$$\sqrt{150/M_a}$$

- b) For each host Chapter:

200 pts.

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<sup>1</sup> Chapter Committee Chairmen is defined as chairmen of Membership Promotion, Educational Activities, Energy and Technical Activities, 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. The chapter norm for 1991-92 will be \$40 per area-assigned member, with additional points earned for each individual contribution that exceeds the \$40 norm. Additional points may also be earned by obtaining large contributions (\$1,000 or more) and by obtaining total contributions which exceed the maximum of the prior five years (new "high five"). Bonus points are awarded for special Research Promotion Chapter nights, conducted in accordance with Society criteria, in recognition of their importance in communicating the value of Society research to the membership.

The formula for Research Promotion is as follows:

$$P_r = 400 \frac{C_1}{40M_a} + \frac{10C_2}{M_a} + \frac{15C_3}{M_a} + \frac{500C_4}{M_a}$$

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 last five years.  
 $C_4$  = Number of contributors \$40 and over

Bonus:

	<u>Points</u>	<u>Maximum</u>
For having a special Research Promotion Chapter night.	50 pts. ea.	100 pts.

## 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>
Student Member Growth	Formula:	$50\sqrt{SMG}$	
Student Branch	a) Each existing branch	50	
	b) Each new branch	50	
	c) Each \$200 investment <sup>1</sup>	25	100 per branch
	d) Chapter Member's participation in 3 or more branch events <sup>2</sup>	25	75

<sup>1</sup> For educational material based on actual cash expenditures by chapter.

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

<u>ACTIVITY</u>	<u>POINTS DETERMINATION</u>	<u>POINTS</u>	<u>MAXIMUM</u>
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	a) Each contact <sup>3</sup>	10	100
	b) Teach-ins per class <sup>4</sup>	25	100
	c) Engineers for a Day Program or Tours <sup>5</sup>	25	100
ASHRAE-Produced PDS and/or Correspondence Courses	a) 0.1-1.9% of assigned members	100	
	b) 2.0 - 3.9% of assigned members	150	
	c) 4.0% & over members	200	
Non-ASHRAE-Produced Programs	a) 0.1-1.9% of assigned members	50	
	b) 2.0-3.9% of assigned members	75	
	c) 4.0% & over members	100	

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<sup>3</sup> 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.

<sup>4</sup> Engineers speak to classes about engineering technology.

<sup>5</sup> Students tour industrial facilities and engineering firms or work side-by-side with engineers.

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

<sup>m</sup>

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

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

<sup>n</sup>

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

Where: P<sub>ssa</sub> = Points for Society Scholarship Award  
C1 = Total dollars contributed

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

# ENERGY & TECHNICAL ACTIVITIES/CHAPTER PROGRAM ACTIVITIES

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

## 1. ENERGY & TECHNICAL ACTIVITIES

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	300
	d) Society Award		
	1st Place	100	100
2nd Place	70	70	
3rd Place	50	50	
Government Affairs Awards	e) ASHRAE Award of Engineering Excellence	200	200
	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 <sup>1</sup>	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. <sup>2</sup>	25	200
Chapter Technical Activities	a) Each technical paper reviewed with comments submitted	50	100
	b) Each Handbook Chapter reviewed with comments submitted (other than Refrigeration)	100	400
	c) Each article published in an ASHRAE technical publication (except <i>Insights</i> ) (other than Refrigeration)	50	150

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<sup>1</sup> Professional or business groups are defined as ten (10) or more individuals.

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

## 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 <sup>1</sup>	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 <sup>2</sup>	a. Each rated presentation	20	300
Planning <sup>3</sup>	a. All topics for future meetings identified and communicated to members	100	100
	b. Future speakers identified; each speaker	10	200

<sup>1</sup> Full technical session

<sup>2</sup> 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 ETA Regional Vice Chairman.

<sup>3</sup> Applies to both Technical Sessions and main programs for chapter monthly meetings. Program planning must cover the monthly meeting period from September 1, 1991, through August 31, 1992. The planning for the 12-month period must be completed and submitted by December 1, 1991.



# 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 <sup>1</sup>	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 <sup>2</sup>	100	300
Member (Refrigeration)	Each new member with prime interest in refrigeration	10	100
ASHRAE PDS - Refrigeration	a) 0.1-1.9% of assigned members	100	
	b) 2.0-3.9% of assigned members	150	
	c) 4.0% and over	200	
Non-ASHRAE Refrigeration Programs	a) 0.1-1.9% of assigned members	50	
	b) 2.0-3.9% of assigned members	75	
	c) 4.0% & over members	100	
Refrigeration Handbook Review	Each Refrigeration Handbook chapter reviewed with comments submitted	100	400
TC/TG (Refrigeration)	Each member recruited for a Refrigeration Technical Committee or Task Group <sup>3</sup>	50	150
Published Articles	Each refrigeration-related article published in an ASHRAE technical publication (except <u>Insights</u> )	50	150
Presentations to Outside Organizations	Each refrigeration-related presentation	50	150

<sup>1</sup> Technical session prior to and in conjunction with chapter meeting. Credit is in addition to that given in the Energy and Technical Activities area.

<sup>2</sup> (Minimum 3 Hrs.) This credit is in addition to the credit given in the Energy & Technical Activities area.

<sup>3</sup> Biography submitted and accepted by TC/TG

# AREA ASSIGNED MEMBERS

## 1991-92 PAOE

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### 1991-92 Assigned Members

#### REGION I

<u>Chapter Name</u>	<u>Members</u>	<u>Students</u>
Boston	800	59
Rhode Island	138	5
Connecticut	567	16
Long Island	306	15
North Jersey	940	130
New York	835	167
Northeast	254	23
Central New York	376	25
Rochester	406	50
Niagara Frontier	226	4
Champlain Valley	114	4
Maine	168	24
Twin Tiers	123	9
Bi-State	234	12
Granite State	165	65

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### 1991-92 Assigned Members

#### REGION II

<u>Chapter Name</u>	<u>Members</u>	<u>Students</u>
Quebec	173	23
Montreal	539	145
Ottawa Valley	341	8
Toronto	839	103
Hamilton	193	43
Halifax	178	7
London	110	21
New Brunswick	120	7
Saquenay-Lac St. Jean	36	68
Windsor	55	25
Mississauga	140	1

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1991-92 Assigned Members

REGION III

<u>Chapter Name</u>	<u>Members</u>	<u>Students</u>
Philadelphia	827	64
Central Pennsylvania	296	68
Johnstown	80	12
Pittsburgh	329	48
Baltimore	763	33
National Capital	913	86
Hampton Roads	170	35
Richmond	281	9
Lehigh Valley	135	6
Delaware	213	8
Roanoke	196	14
Anthracite	119	40

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1991-92 Assigned Members

REGION IV

<u>Chapter Name</u>	<u>Members</u>	<u>Students</u>
North Piedmont	187	29
Southern Piedmont	374	27
South Carolina	118	0
Atlanta	853	52
Greenville	241	5
Triangle	287	26
Charleston	89	1

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1991-92 Assigned Members

REGION V

<u>Chapter Name</u>	<u>Members</u>	<u>Students</u>
Cleveland	355	6
Columbus	393	80
Cincinnati	364	17
Dayton	196	26
Toledo	147	7
Central Indiana	347	55
Evansville	105	35
Detroit	507	27
Central Michigan	134	9
Western Michigan	310	32
Akron\Canton	143	20
Northern Indiana	90	2
Fort Wayne	87	8
Eastern Michigan	78	6

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**1991-92 Assigned Members**

**REGION VI**

<u>Chapter Name</u>	<u>Members</u>	<u>Students</u>
Wisconsin	413	58
Illinois	963	78
Central Illinois	124	11
Iowa	226	33
Minnesota	774	68
St. Louis	590	27
Chicago	131	3
Madison	164	16
Northeast Wisconsin	141	6
La Crosse Area	111	19
Rockford	86	19
Mississippi Valley	160	8
East Central Illinois	75	24

**1991-92 Assigned Members**

**REGION VII**

<u>Chapter Name</u>	<u>Members</u>	<u>Students</u>
Louisville	192	50
Memphis	200	4
Birmingham	239	35
Mobile	83	8
New Orleans	176	38
Baton Rouge	76	1
Mississippi	113	4
Nashville	252	3
East Tennessee	214	3
Tennessee Valley	68	7
Montgomery	77	13
Bluegrass	94	2
Northwest Florida	64	1
North Alabama	79	5
Tombigbee	32	1
Mountaineer	89	3

**1991-92 Assigned Members**

**REGION VIII**

<u>Chapter Name</u>	<u>Members</u>	<u>Students</u>
Arkansas	209	58
Shreveport	95	4
Houston	536	75
Alamo	227	22
Austin	182	59
Dallas	520	31
Central Oklahoma	390	29
Northeastern Oklahoma	187	22
Fort Worth	264	3
West Texas	90	19
East Texas	56	20
South Texas	45	8

1991-92 Assigned Members

**REGION IX**

<u>Chapter Name</u>	<u>Members</u>	<u>Students</u>
Kansas City	449	99
El Paso	82	6
Rocky Mountain	496	74
Utah	218	3
Nebraska	342	25
Wichita	108	7
New Mexico	213	7
South Dakota	131	17
Black Hills Area	38	2
Big Sky	105	8
Idaho	95	1
Pikes Peak	67	7
Ozarks	69	19

1991-92 Assigned Members

**REGION X**

<u>Chapter Name</u>	<u>Members</u>	<u>Students</u>
Sacramento Valley	266	9
Golden Gate	754	52
San Joaquin	93	0
Southern California	842	48
San Diego	299	23
Central Arizona	259	6
Tucson	100	8
Southern Nevada	95	1
San Jose	299	10
Orange Empire	354	5
Hawaii	294	6
Northern Nevada	71	3
Sierra Delta	59	1
Tri-County	114	3

1991-92 Assigned Members

**REGION XI**

<u>Chapter Name</u>	<u>Members</u>	<u>Students</u>
Manitoba	175	2
Southern Alberta	308	18
Northern Alberta	242	54
British Columbia	379	27
Inland Empire	82	3
Puget Sound	632	51
Oregon	497	69
Regina	55	2
Saskatoon	84	21
Alaska	163	17
Mid-Columbia	66	3
Vancouver Island	92	0

1991-92 Assigned Members

REGION XII

<u>Chapter Name</u>	<u>Members</u>	<u>Students</u>
Jacksonville	282	65
Florida West Coast	389	26
Miami	220	12
Central Florida	260	21
Gold Coast	163	33
Spacecoast	73	3
Puerto Rico	123	58
Gulfstream	155	2
Southwest Florida	89	4

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1991-92 Assigned Members

CHAPTERS-AT-LARGE

<u>Chapter Name</u>	<u>Members</u>	<u>Students</u>
Hong Kong	449	12
Malaysia	104	1
Taiwan	64	0
India	123	2
Singapore	273	7

AMERICAN SOCIETY OF HEATING, REFRIGERATION  
AND AIR-CONDITIONING ENGINEERING, INC.

1791 Tullie Circle, N.E.

Atlanta, Georgia 30329

BOARD OF GOVERNOR'S MEETING MINUTES

Chapter: London  
Meeting Date: September 3, 1991.  
Attendance: Members: 10  
Guests: \_\_\_\_\_  
Compiled By: Peter Ziebart

Distribution: Original to chapter files; 1 copy to Regional Chairman; 1 copy to Manager, Membership Dept., ASHRAE, Atlanta, together with one extra copy for "Journal" information.

SUGGESTED CHECKLIST  
OF ITEMS TO BE REPORTED

1. Presiding Officer
  2. Call to order (time & place)
  3. Roll call
  4. Approval of minutes
  5. Reports
  6. Election
    - Members
    - Officers
  7. Old business
  8. New business
  9. Speaker
  10. Discussions
  11. Motions
  12. Resolutions
  13. Other Features
  14. Adjournment
1. Meeting called to order at the University of Western Ontario at 5:00 PM.
  2. Present: F. Conte  
G. Hilliard  
J. Reid  
D. Boyce, President  
O. Glendon  
D. Johnson  
P. Ziebart  
C. Clemance  
T. Drennan  
K. Ellis
  3. Last Minutes read by O. Glendon and accepted by J. Reid and seconded G. Hilliard
  4. D. Boyce reported that we did not have enough POAE points for an award.





4. Con't. Next year place more emphasis on the points . Get word out how to get the points from the membership in the newsletter and emphasis at the beginning of meetings.

5. Treasurer Report Need VP, President and Treasurer signatures at the bank. These three people to arrange this. Darryl to find someone to audit the books.

Education Report Will contact UWO prof to start program. Darryl is on two committees to raise the interest of math and science subjects in the elementary school level. The USA wish to place an Engineer in most of the schools. The next meeting will be in Washington on December 14, 1991.

A similar program is hoped to get off the ground for Ontario and Darryl had a meeting earlier this year. The program is called Outreach.

Membership Report To send out letters to associate members to try to get them to sign up. Need a membership application form for the chapter. Frank to develop a strategy on how we can help him. Get ideas from the chapter members and possible expand into areas where there are high profile topics. Darryl to wend for the new blue cover chapter guideline book and the disk of assigned members. Frank to put together a package for members.

Research Report The chapter had 16 donations last year. Three cheques totalled \$3000.00. Need to increase the number and do follow-up calls. At \$35.00 you are recognized. ✓

Refrigeration Report No report.

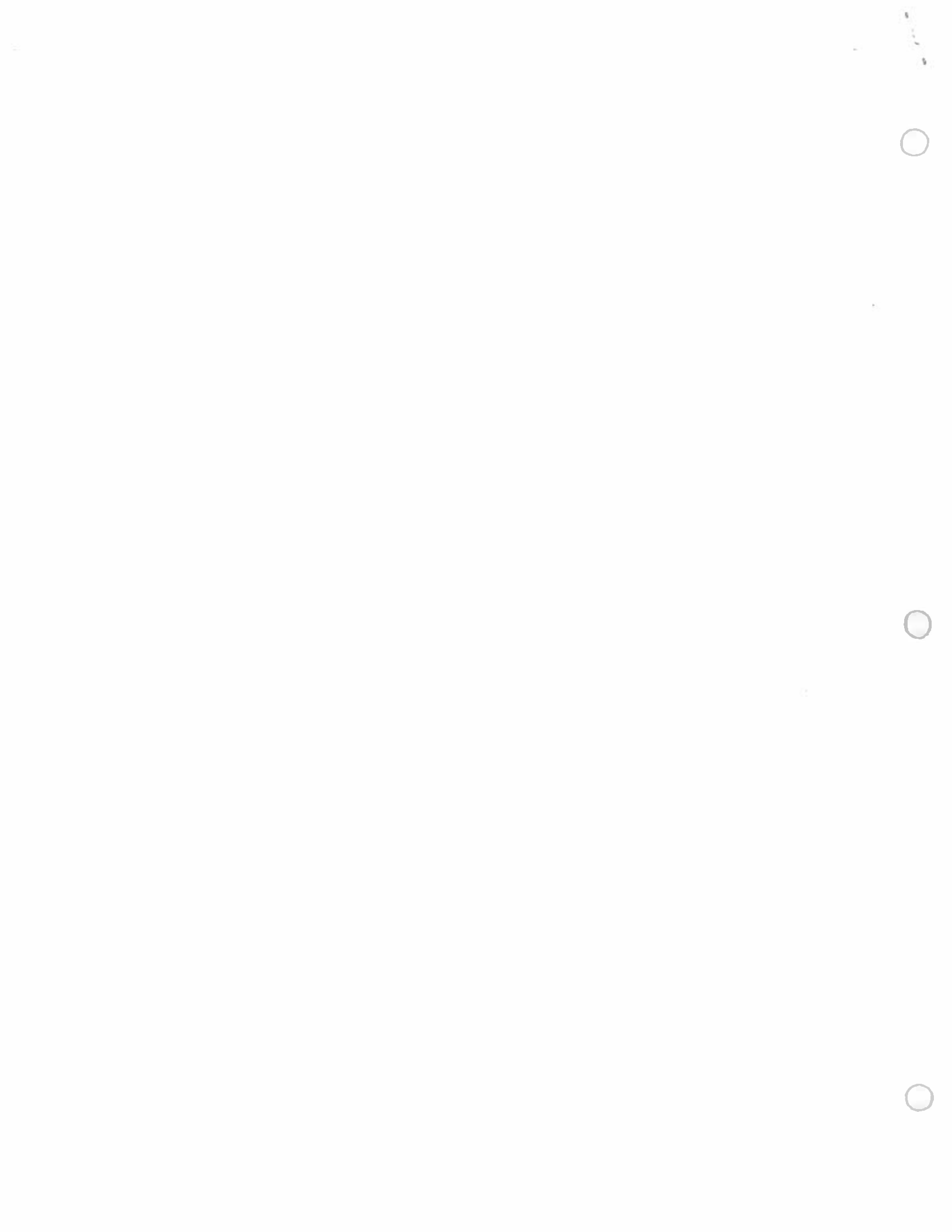
Energy & Technical Activities There are several position papers - CFC, Energy, Asbestos, IAQ, (Fire & Smoke and man made fibres to come). These are good reference materials. People in Atlanta are available to answer questions and help find reference material.

Program Each committee chairman to give a speaker this year. Roland Welker to speak in September. Try to get speakers on broad topics that reach out beyond our membership. Tendering/90.1/CFC are possible topics. Possible panel discussion with various topics such as 90.1.

Old Business None

New Business Chapter Fees Will review at meeting the location and the fee and fee structure. If we keep the same structure it will be \$125.00. Out of town \$40.00 one time and \$20.00 per meeting and guests will be charged \$20.00 also. Students will be \$10.00. ✓

Motion to give Don Johnson \$600.00 for printing costs. This was motioned by J. Reid and seconded by P. Ziebart.



AMERICAN SOCIETY OF HEATING, REFRIGERATION  
AND AIR-CONDITIONING ENGINEERING, INC.

1791 Tullie Circle, N.E.

Atlanta, Georgia 30329

BOARD OF GOVERNOR'S MEETING MINUTES

Chapter: London

Meeting Date: October 8, 1991

Attendance: Members: 6

Guests: 0

Compiled By: Peter Ziebart

Distribution: Original to chapter files; 1 copy to Regional Chairman; 1 copy to Manager, Membership Dept., ASHRAE, Atlanta, together with one extra copy for "Journal" information.

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SUGGESTED CHECKLIST  
OF ITEMS TO BE REPORTED

1. Presiding Officer
2. Call to order  
(time & place)
3. Roll call
4. Approval of minutes
5. Reports
6. Election
  - Members
  - Officers
7. Old business
8. New business
9. Speaker
10. Discussions
11. Motions
12. Resolutions
13. Other features
14. Adjournment

1. Meeting called to order at 5:00 at UWO. Moved by Tom Drennan and Seconded by Bert Fenner.

2. The new membership dues were accepted as read. Moved by T. Drennan and seconded by B. Fenner.

3. Reports.

Treasurer - No Report

Education - No Report

Membership - No Report

Research - The Research Canada newsletter will be inserted in the next newsletter to be supplied to Don Johnson by Oct. 16, 1991.

Refrigeration - Need a new person to head this committee. Kim Ellis will contact Keeprite to see if the new



person would be interested.

Old Business. None

New Business. None

Historical B. Fenner to draft up history of the London Chapter from 1972 to present. This is in preparation for the 100 year anniversary.

Newsletter - F. Conte to provide goals and objectives for membership and J. Reid the same for education. Send this information to D. Johnson. This years rooster is to be mailed out in January/1992.

Energy & Technical Affairs - Michael Gubish of Chorley & Bisset to assist Grant Miles in the ETA committee. February 11, 1991 is the local London and District Construction Association trade show. Be sure to mention to local consultants and other industry related companies to attend. Ontario Hydro, London PUC and Grant Miles to set up the local ASHRAE 90.1 team to launch the new program by Ontario Hydro.

Program - October Specification and Tendering night.  
November Spouse and/or significant other night. Planning to have a magician and a dinner evening at the Art Gallery.

Technical Session - To place more emphasis on speaker than videos. One topic should be the ventilation standard.

April - Dome Tour Check with Kirk Flowers to see if he can arrange.

**IMPORTANT**

The next Board of Governors meeting will be on October 28, 1991 at 4:30 PM SHARP at the Highland Golf and Country Club. Our Regional Chairman Dalton McIntyre will be there.

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Nov. 6, 1991

**ASHRAE LONDON CHAPTER**

**BOARD OF GOVERNORS**

**AGENDA**

- 1) CALL TO ORDER
- 2) MINUTES OF LAST MEETING
- 3) REPORTS:
  - TREASURER ✓
  - PROGRAM ✓
  - RESEARCH PROMOTION
  - EDUCATIONAL ACTIVITIES
  - ETA ✗
  - MEMBERSHIP ✓
  - NEWSLETTER ✓
  - RECEPTION ✓
  - HISTORICAL ✓
- 4) CHAPTER VISIT FORM
- 5) CRC EVALUATION
- 6) OLD BUSINESS ✓
- 7) NEW BUSINESS: ✓
  - HVAC CENTRE OF EXCELLENCE





AMERICAN SOCIETY OF HEATING, REFRIGERATION  
AND AIR-CONDITIONING ENGINEERING, INC.

1791 Tullie Circle, N.E.

Atlanta, Georgia 30329

BOARD OF GOVERNOR'S MEETING MINUTES

Chapter: London

Meeting Date: November 6, 1991.

Attendance: Members: 8

Guests: \_\_\_\_\_

Compiled By: Peter Ziebart

Distribution: Original to chapter files; 1 copy to Regional Chairman; 1 copy to Manager, Membership Dept., ASHRAE, Atlanta, together with one extra copy for "Journal" information.

SUGGESTED CHECKLIST  
OF ITEMS TO BE REPORTED

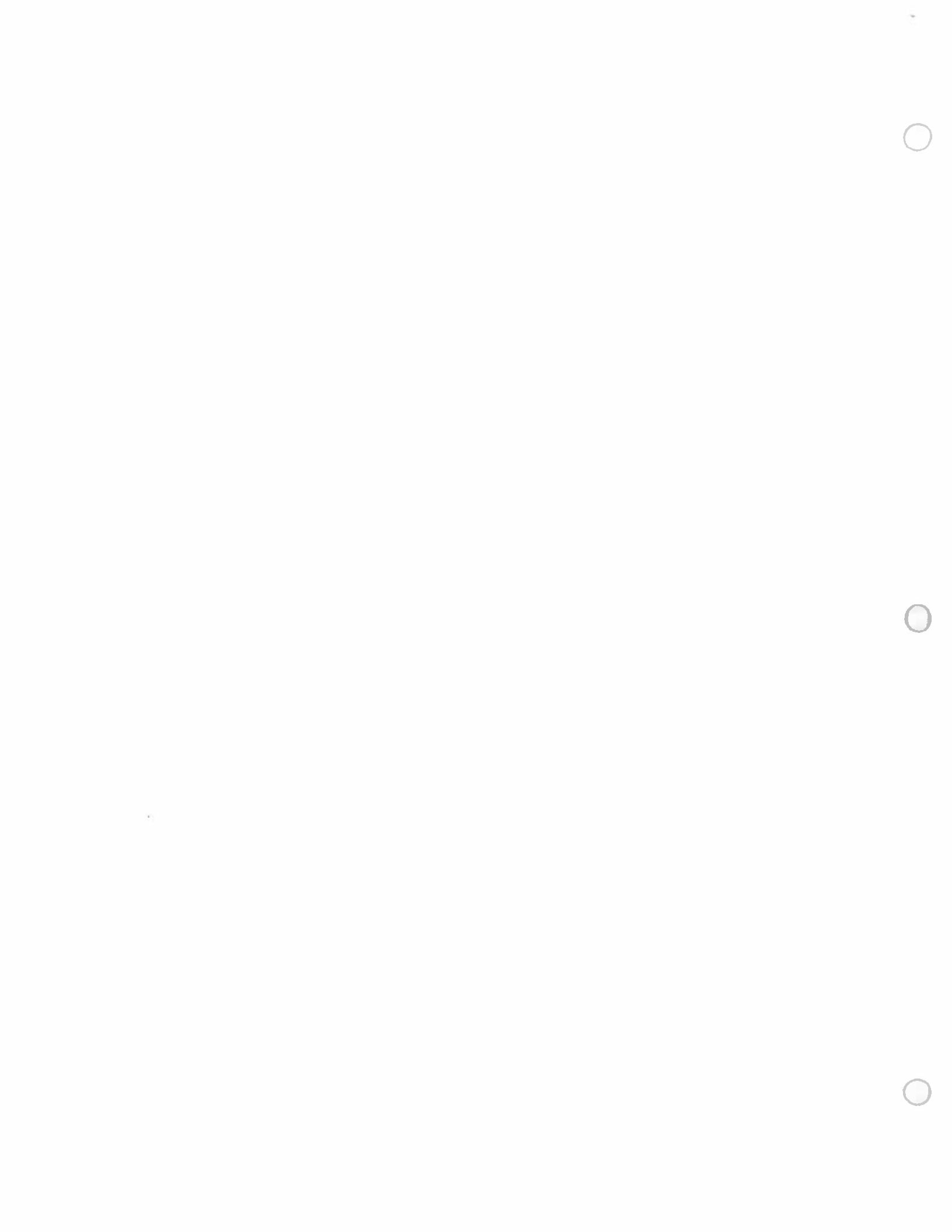
1. Presiding Officer
2. Call to order  
(time & place)
3. Roll call
4. Approval of minutes
5. Reports
6. Election
  - Members
  - Officers
7. Old business
8. New business
9. Speaker
10. Discussions
11. Motions
12. Resolutions
13. Other features
14. Adjournment

1. Meeting called to order at the University of Western Ontario on Nov 6, 1991 at 4:40 PM. Attendance - K. Flowers, D. Boyce, O. Glenden, M. Gubish, P. Ziebart, D. Johnson, B. Fenner, F. Conte.

2. Minutes of previous meeting approved as read. Moved by O. Glenden and seconded by Peter Ziebart

3. Reports: Program

November 25, 1991 is guest night and will include Bill Schulert who is an illusionist. 23 couples is the minimum target number. Motion by D. Boyce to charge \$35.00 a couple and \$20.00 for a single person. Seconded by B. Fenner. James LaBar who could not attend last months



meeting, would like to attend a future meeting - possibly next year. In February John Dugan Vice Chairman of Membership will be coming to our meeting. April - Kirk Flowers to confirm the Dome tour.

Education - Darryl mentioned that he had a brief meeting with the student chapter with J. Reid and that the chapter is quite active.

ETA - No report.

Membership - The new updated list was mailed out. Send any new members to D. Johnson so they can be included in the mailout of the newsletter. Frank to order 100 Society applications from Atlanta.

Newsletter - This years rooster is to be based on last years with any new members this year to be added. Need more committee chairman input. Please submit to D. Johnson the presidential reports along with any historical reports.

Refrigeration - Bill Ovington is to head up the chairmanship.

Historical - Need four one inch binders. P. Ziebart to provide.

Treasurer - \$9044 in savings, \$1947 in chequing and \$625 to be deposited. Motion by D. Boyce to transfer \$600.00 to D. Johnson for the newsletter. Seconded by B. Fenner. Secretary to price official receipts for the quests and students. If price is too high, then obtain prices also from D. Johnson from local supply.

CRC evaluation form to be filled out by each person who attended.

Request from Professor Terasac to support the new HVAC Centre of Excellence. D. Boyce motioned to support and endorse the proposal of the HVAC Centre of Excellence and seconded by D. Johnson.

Motion by B. Fenner to pay \$77.28 to D. McIntyer for accommodation which was seconded by D. Johnson.

K. Flowers suggested a seminar on Ethics regarding the Tendering process. This will be investigated further.

Motion to Adjourn by B. Fenner and seconded by D. Johnson.



AMERICAN SOCIETY OF HEATING, REFRIGERATION  
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1791 Tullie Circle, N.E.

Atlanta, Georgia 30329

BOARD OF GOVERNOR'S MEETING MINUTES

Chapter: London

Meeting Date: December 2, 1991.

Attendance: Members: 7

Guests:

Compiled By: Peter Ziebart

Distribution: Original to chapter files; 1 copy to Regional Chairman; 1 copy to Manager, Membership Dept., ASHRAE, Atlanta, together with one extra copy for "Journal" information.

SUGGESTED CHECKLIST  
OF ITEMS TO BE REPORTED

1. Presiding Officer
2. Call to order  
(time & place)
3. Roll call
4. Approval of minutes
5. Reports
6. Election
  - Members
  - Officers
7. Old business
8. New business
9. Speaker
10. Discussions
11. Motions
12. Resolutions
13. Other features
14. Adjournment

1. Meeting called to order at the University of Western Ontario on Dec 2, 1991. Attended by K. Flowers, D. Boyce, F. Conte, O. Glendon, G. Miles, D. Johnson, and P. Ziebart.

2. Minutes of the previous meeting approved as read. Moved by F. Conte and seconded by O. Glendon.

3. Reports:

Treasurer : \$9069.00 in savings, and \$377.00 in chequing. All invoices paid and paid members to date is 31.

Program : Next months meeting is tentatively scheduled for Jan 29, 1992. Possible speaker on air noise (acoustics) is being investigated.



Feb is yet undecided, but a possible speaker could be Mr. Ron Britural on absorption chillers.

Also Jim Leber (lawyer) is still interested on giving us a talk on contracting out, ethics and be included in the seminar that was discussed last month.

Engineering week and the London and District Construction Ass. should have a display. Owen to arrange.

March meeting should be Ontario Hydro's New Building Construction Program which is closely related to the ASHRAE 90.1 standard.

April's meeting will be a tour of the Dome. K. Flowers arranging.

May's meeting is typically refrigeration and a speaker has not yet been decided.

Research Promotion : No report.

Educational Activities : Met with the student branch on Nov 28, 1991. Twenty five students were present.

ETA : For the LDCA trade show 101 spaces of a possible 150 have been assigned. This is ahead of last years total. There will be and 11:00 meal on the day of the show followed by the Architectural presentation at 12:30.

For the New Building Construction Program (ASHRAE 90.1), please forward any names that you feel should attend to P. Ziebart.

Membership : Give any student memberships to J. Reid. F. Conte has a box of member application forms for regular status members. A reminder should be placed in this months newsletter for Society members to join the local chapter.

Newsletter : Items for the January 1992 newsletter should be sent to D. Johnson by no later than Jan 6/92. Need items from program and ETA. Also the rooster is to be included in the next mail-out, so any new members should again be forwarded to Don so the rooster can be printed by Jan 14/92.

Reception : No report

Historical : No report

CRC evaluation have been sent in by those members who attended.

Old Business : No items

New Business : No items

Meeting adjourned at 5:40. Moved by G. Miles and seconded by O. Glendon.





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1791 Tullie Circle, N.E.  
Atlanta, Georgia 30329

BOARD OF GOVERNORS'S MEETING MINUTES

CHAPTER: London MEETING DATE: February 1992

ATTENDANCE: - MEMBERS: 8; GUESTS:       ; COMPILED BY: O. Glendon

DISTRIBUTION: *Original to chapter files, 1 copy to Regional Chairman, 1 copy to manager, Membership Dept., ASHRAE, Atlanta, together with one extra copy for "Journal" information.*

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SUGGESTED CHECK LIST  
OF ITEMS TO BE  
REPORTED

1. Meeting called to order at 5:15 p.m. at University of Western Ontario.
  2. Present:
    - D. Boyce, President
    - B. Ovington
    - G. Hilliard
    - D. Johnson
    - K. Flowers
    - O. Glendon
    - T. Drennan
    - B. Stonehouse
  3. Treasurer's Report  
A few membership accounts are outstanding. K. Flowers to send a list of members. Letters to go out to all past year members, not yet resigned to ask about present year membership.
  4. Program  
January Meeting meal costs not yet confirmed.  
  
Future Meetings  
D. Boyce to ask Membership at next Chapter Meeting if an alternative venue would be suitable. Possibly return to the University.
1. Presiding Officer
  2. Call to order (Time & Place)
  3. Roll Call
  4. Approval of Minutes
  5. Reports
  6. Election
    - Members
    - Officers
  7. Old Business
  8. New Business
  9. Speaker
  10. Discussions
  11. Motions
  12. Resolutions
  13. Other Features
  14. Adjournment



February Meeting

Possible to PICS - Tendering process by James Leber, Management Consultant. On Team approach, Ontario Hydro incentives, London Life Tower by Bill Braun.

March Meeting

To be April 9. Topic to be ASHRAE 90.1. Meeting will be an Ontario Hydro co-hosted seminar. Possible after dinner speaker would be Tom Tamblyn.

April Meeting

Skydome Tour on April 28. 47 tickets have been purchased. Noon departure, tour at 2:00 p.m., tour ends 3:30 p.m.

Tickets are \$17.50 cost and service charge + bus. Total cost may be \$32.50. Decided to charge \$20.00 for members and \$40.00 non-members.

Discussed several dinner options. Will probably reserve several spots at Ed's Warehouse.

~~April Meeting~~  
MAY  
April Meeting

Will be 20th Anniversary of Chapter. Will be Past President's Night. Topic should be refrigeration. ORG will discuss with Union Gas about absorption chiller topic.

June Meeting

Hugh Palser will arrange for golf.

5. Research & Promotion

1990 and 1991 research awards will be presented at February Meeting. K. Flowers motioned to donate \$1,000 of Chapter's money to research. D. Johnson seconded. All in agreement.

6. Education

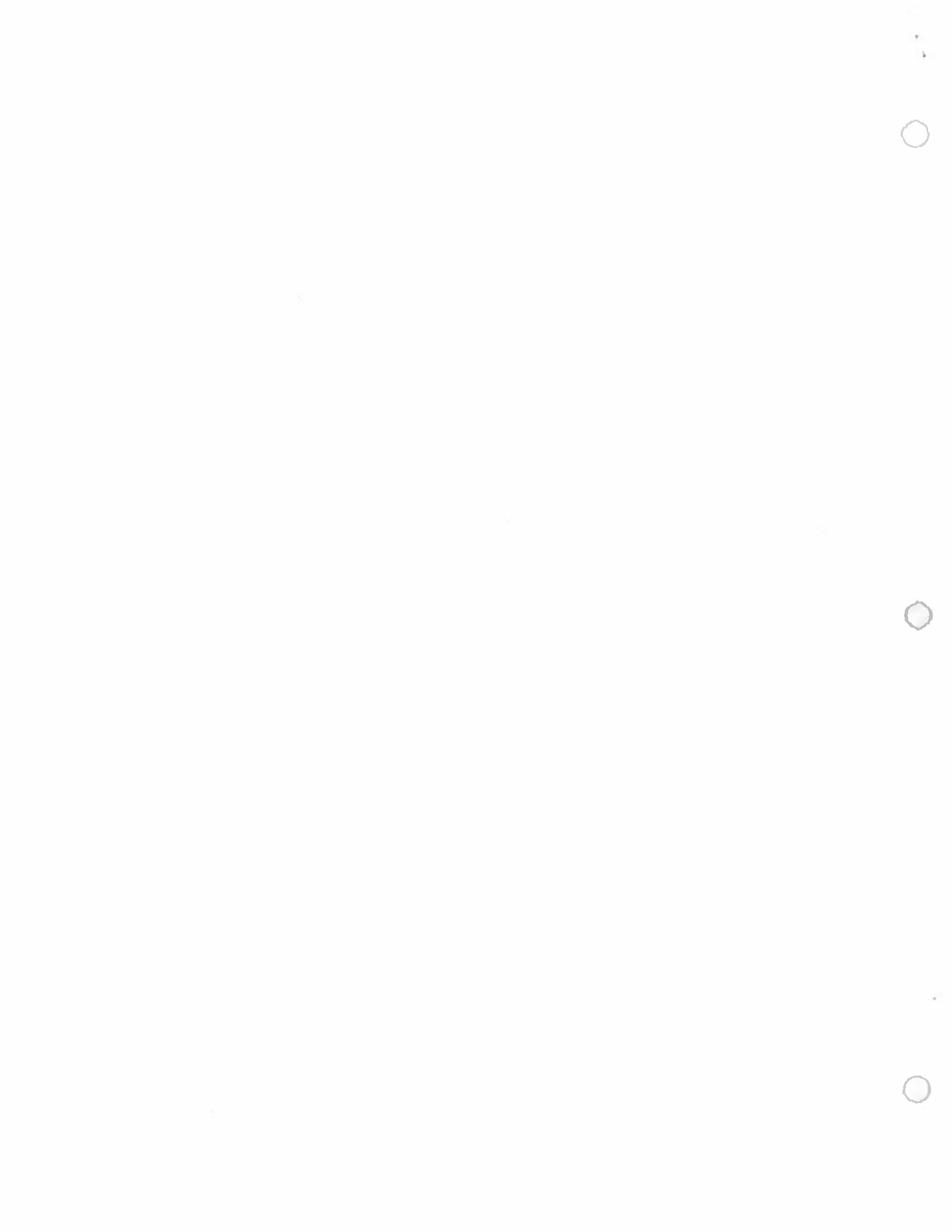
No Report

7. ETA

Trade Show on February 11, 12 - 7 p.m. People assigned to Registration Week.



8. Engineering Week  
Discussed possibility of participating in Engineering Week display at White Oaks Mall. Will discuss further in March Board of Governors Meeting.
9. Meeting adjourned at 6:00 p.m.



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1791 Tullie Circle, N.E.  
Atlanta, Georgia 30329

BOARD OF GOVERNORS'S MEETING MINUTES

CHAPTER: London MEETING DATE: March 1992

ATTENDANCE:- MEMBERS: 6; GUESTS: 0; COMPILED BY: O. Glendon

DISTRIBUTION: *Original to chapter files, 1 copy to Regional Chairman, 1 copy to manager, Membership Dept., ASHRAE, Atlanta, together with one extra copy for "Journal" information.*

SUGGESTED CHECK LIST  
OF ITEMS TO BE  
REPORTED

1. Meeting called to order at 4:45 p.m. at University of Western Ontario.
  2. Present:
    - D. Boyce, President
    - T. Drennan
    - O. Glendon
    - G. Miles
    - F. Contè
    - G. Hilliard
  3. Program - Meeting Date March 30. ASHRAE 90.1 with Ontario Hydro is cancelled. March is Membership Night. J. Dugan will be attending. Possible Topics. "Management of People - Change Is". D. Boyce will investigate. Tech Session is required.  
  
ASHRAE 90.1 is to be held by Ontario Hydro at the Hellenic Centre on April 9/92.
1. Presiding Officer
  2. Call to order (Time & Place)
  3. Roll Call
  4. Approval of Minutes
  5. Reports
  6. Election
    - Members
    - Officers
  7. Old Business
  8. New Business
  9. Speaker
  10. Discussions
  11. Motions
  12. Resolutions
  13. Other Features
  14. Adjournment

Professional Development Seminar

D. Boyce suggested that we look at a P.D.S. on 90.1 for May 1992. Would need to get about 15 people attending to break even at about \$600/person. London Chapter would carry the responsibility for profits.

APRIL - Dome tour tickets have arrived.





#### JUNE MEETING

Golf again at Thames. Hugh Palser to approach Nortec re: sponsorship. Meal to be comparable to last year, steaks.

#### MAY MEETING

Owen to approach Union Gas/Ron Britnell/Absorbition Chillers for May meeting. Past Presidents' Night.

#### 4. Nominations

April Meeting will be Nomination Meeting.

May Meeting will be Installation Night.

#### 5. Treasurer Report

No Report.

#### 6. ETA Report

L.D.C.A. Trade Show. About 950 attendees. Poor attendance at meal. Costs have not been assessed. Five submissions for the awards. One winner and two honourable mentions. G. Miles thanks those who helped at Trade Show registration desk.

#### 7. Education Report

No Report.

#### 8. Membership Report

Eric Shaw has joined local chapter. G. Hilliard to see Bill Braun re: joining chapter membership. Frank Contè to review new student member lists.

#### 10. Research

T. Drennan to get cheque from K. Flowers for \$1,000 for Chapter donation.

T. Drennan reminds Board Members to call individuals re: donations. We have received \$1,800 donation to date. O. Glendon to ask Chorley & Bisset Ltd. re: donation.



11. London Science Fairs

Discussed possibility of ASHRAE being involved in local High School Science Fairs. Could possibly donate an award or cash for applicable projects.

12. Meeting adjourned at 5:45 p.m.

ORG:mer



AMERICAN SOCIETY OF HEATING, REFRIGERATION  
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1791 Tullie Circle, N.E.  
Atlanta, Georgia 30329

BOARD OF GOVERNORS'S MEETING MINUTES

CHAPTER: London MEETING DATE: April 1992

ATTENDANCE:- MEMBERS: 8; GUESTS: 0; COMPILED BY: O. Glendon

DISTRIBUTION: *Original to chapter files, 1 copy to Regional Chairman, 1 copy to manager, Membership Dept., ASHRAE, Atlanta, together with one extra copy for "Journal" information.*

SUGGESTED CHECK LIST  
OF ITEMS TO BE  
REPORTED

1. Presiding Officer
2. Call to order  
(Time & Place)
3. Roll Call
4. Approval of  
Minutes
5. Reports
6. Election  
- Members  
- Officers
7. Old Business
8. New Business
9. Speaker
11. Motions
12. Resolutions
13. Other Features
14. Adjournment

1. Meeting called to order at  
4:45 p.m. at University of Western  
Ontario.

2. Present:  
D. Boyce, President  
T. Drennan  
O. Glendon  
G. Miles  
G. Hilliard  
D. Johnson  
B. Stonehouse  
K. Flowers

3. Program  
- May Meeting is 20th  
Anniversary Charter Night  
- We will invite past Presidents  
and pay for the meals.  
- Possible Topic for Meeting -  
Refrigerant 123 and Its Use in  
Large Centrifugal Equipment  
- May Meeting - Installation  
Night.

April Meeting - Tour of Dome  
Kirk Flowers to provide  
refreshments on bus. Collections  
of \$2/ refreshments will be  
suggested. Money to go to ASHRAE  
research.

4. Nominations  
Charles Clemance to approach Grant  
Hilliard re: Nominations.

FEED FAX THIS END

<b>FAX</b>	
To: <u>DARRYL BOYCE</u>	
Dept.: _____	
Fax No.: _____	
No. of Pages: <u>3</u>	
From: _____	
Date: _____	
Company: _____	
Fax No.: _____	
Comments <u>ASHRAE B.O.G.</u> <u>MINUTES</u>	
<small>Post-it</small>	<small>fax pac 7903E</small>



5. Treasurers Report  
Kirk Flowers reports: \_\_\_\_\_  
Owen Glendon suggested auditing last 3 years books. Peter Golem to be approached re: auditing.
6. LDCA Report  
\$2,433.15 has been raised for ASHRAE. Consultant's Dinner may be discontinued as attendance has been poor. Attendance to show was about 1,000.
7. Education Report  
John Reid not present. Board suggests Brenda Stonehouse take over chair. Darryl Boyce to approach John Reid.
8. Membership Report  
Two new members have been signed this month.
9. Research  
Tom Drennan reported \$2,500 currently collected. Some Board members have calls to make re: donations.
10. P.A.O.E.  
Darryl Boyce requests that local Chapter Engineering Consultants apply for ASHRAE technology awards.
11. C.R.C.  
Proposals should be submitted for motions. We will request for proposals from membership through the newsletter.

Board would like to see Committee chairs go to workshops.

Tom Drennan motioned to have Committee chairs reimbursed up to \$500 each for their participation in CRC 92.





12. Newsletter  
Next newsletter to be for May Meeting. April newsletter will be deleted.
13. Adjournment at 5:50.

10

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**INVITATION**

**TWENTIETH ANNIVERSARY  
LONDON CANADA CHAPTER**

***Dear Past President,***

***You are cordially invited to attend the 20th anniversary of the London Canada Chapter of ASHRAE. This event will be held at the Highland Country Club, May 25th, 1992, at 5:30 PM. We request that you attend as the Chapter's guest and share some of your remembrances with us.***

***Please RSVP to Don Johnson, days 661-3302, evenings 472-2974 as soon as possible.***

\*

AMERICAN SOCIETY OF HEATING, REFRIGERATION  
AND AIR-CONDITIONING ENGINEERING, INC.

1791 Tullie Circle, N.E.

Atlanta, Georgia 30329

BOARD OF GOVERNOR'S MEETING MINUTES

Chapter: London

Meeting Date: May 5, 1992

Attendance: Members: 8

Guests:

Compiled By: Peter Ziebart

Distribution: Original to chapter files; 1 copy to Regional Chairman; 1 copy to Manager, Membership Dept., ASHRAE, Atlanta, together with one extra copy for "Journal" information.

SUGGESTED CHECKLIST  
OF ITEMS TO BE REPORTED

- |  |   |
|--|---|
| 1. Presiding Officer                   | 1. Called to order at the University of Western Ontario at 4:55 PM.   |
| 2. Call to order<br>(time & place)     | 2. Present: Brenda Stonehouse, D. Boyce, B. Fenner, G. Hilliard, D. Johnson, T. Drennan, C. Clemance, G. Miles, P. Ziebart  |
| 3. Roll call                           | 3. <u>Program</u> May will be our 20th anniversary meeting. Three or four past presidents are scheduled to speak to give us a historical aspect to the chapter. Society president will not come to the 20th anniversary but can be approached for the 25th. |
| 4. Approval of minutes                 | Ozone depletion and CFC could be a topic for next year. Speaker to  |
| 5. Reports                             |   |
| 6. Election<br>- Members<br>- Officers |   |
| 7. Old business                        |   |
| 8. New business                        |   |
| 9. Speaker                             |   |
| 10. Discussions                        |   |
| 11. Motions                            |   |
| 12. Resolutions                        |   |
| 13. Other features                     |   |
| 14. Adjournment                        |   |



approach would be Jim Cox.

4. Nominations Grant Hilliard will be nominated for treasurer.
5. Treasurers Report Chequing has \$4750.00 and savings has 8670.00. This includes the funds from the London and District Construction Association trade show.
6. LDCA trade show Report The funds were received and deposited by Kirk Flowers. Next year awards dinner will be cancelled and the projects will only be on display at the trade show.
7. Education Report John Bisset to submit to Darryl and proceed with the transition.
8. Membership Report No report this month.
9. Research Currently still at \$2500.00. Over \$1000.00 on the way.
10. P.A. O. E. Announce to the membership by way of newsletter if anyone attended any continuing education courses from June30/91 to June 30/92. Call Brenda Stonehouse to report these courses.
11. CRC 92. This year it will be held in Halifax on August 27-29/92. Darryl and Owen will attend all three days. Don Johnson on behalf of Research and Promotion and Frank Conte on behalf of Membership will have their flights paid for by the Society. Peter Ziebart responsible for program next year is also scheduled to attend. Grant Mile is tentative at this time. Brenda is to check into the availability of the flights.
12. Newsletter Information from committee chairman and letter from Darryl Boyce is needed. Nortec is golf sponsor this year. The technical session for May will be Grant Miles on ventilation.

Motion to adjourn at 5:50 by Tom Drennan and seconded by Grant Miles.



AMERICAN SOCIETY OF HEATING, REFRIGERATION  
AND AIR-CONDITIONING ENGINEERING, INC.

1791 Tullie Circle, N.E.

Atlanta, Georgia 30329

BOARD OF GOVERNOR'S MEETING MINUTES

Chapter: London

Meeting Date: June 8, 1992.

Attendance: Members: 10

Guests:

Compiled By: Peter Ziebart

Distribution: Original to chapter files; 1 copy to Regional Chairman; 1 copy to Manager, Membership Dept., ASHRAE, Atlanta, together with one extra copy for "Journal" information.

SUGGESTED CHECKLIST  
OF ITEMS TO BE REPORTED

1. Presiding Officer
  2. Call to order (time & place)
  3. Roll call
  4. Approval of minutes
  5. Reports
  6. Election
    - Members
    - Officers
  7. Old business
  8. New business
  9. Speaker
  10. Discussions
  11. Motions
  12. Resolutions
  13. Other features
  14. Adjournment
1. Meeting called to order at 4:45 at the University of Western Ontario.
  2. Present Don Johnson, Grant Hilliard, Darryl Boyce, Owen Glendon, Bert Fenner, Peter Ziebart, Brenda Stonehouse, Kirk Flowers, Grant Miles.
  3. CRC 1992 - Halifax Darryl and Owen have confirmed they will attend the CRC conference. Bert will represent Historian, Peter Ziebart Program, Brenda Stonehouse Education, Kirk Flowers Refrigeration, and Grant Miles ETA at the conference.
  4. POAE Points  
Reviewed list for this years





submission.

5. Discussed a past president committee for our chapter. Will send out notice to our past presidents to meet quarterly. This committee will then report to the Board of Governor's quarterly.

6. Peter Golem will audit our financial statements for the past 3 years.

7. People interested in other society levels, please come forward. Regional VP for Education is coming open next year.





LONDON CHAPTER.

DINNER

ASHRAE

# GOLF TOURNAMENT

OXBOW GLEN GOLF COURSE

REFRESHMENTS

PRIZES

MONDAY

JUNE 22 1992

GOLF & DINNER \_\_\_\_\_ \$ 45.00

DINNER \_\_\_\_\_ 6:00PM \_\_\_\_\_ \$ 22.00

TEE OFF TIMES \_\_\_\_\_ 10:00 TO 12:00 LIMITED SPACE

FOR RESERVATIONS CALL \_\_\_\_\_ PALSER ENTERPRISES

471-9382

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1075 Wellington Road, London, Ontario N6E 1M1  
July 9, 1992

File ASHRAE

**ASHRAE BOARD OF GOVERNORS**

**Speakers for 1992-1993.**

We had a successful year last year in having quality speakers to our regular meetings. In order to ensure we are as successful this year we need to start lining up potential speakers now.

In the next few weeks, please give some thought to speakers you feel would be appropriate for next ASHRAE year. I will give you a call during the week of August 4th for your suggestions. All we need is one person from each person on the Board.

Thanks for your help,

A handwritten signature in blue ink, appearing to read "Peter Ziebart".

Peter Ziebart

