REPORT
TO
CHAPTERS REGIONAL CONFERENCE
MONTREAL, QUEBEC
MAY 27-30, 1981
REPORT
TO
CHAPTERS REGIONAL CONFERENCE
MONTREAL, QUEBEC
MAY 27-30, 1981
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<thead>
<tr>
<th>Position</th>
<th>Name</th>
<th>Phone</th>
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</thead>
<tbody>
<tr>
<td>PRESIDENT</td>
<td>Bill Rutherford</td>
<td>652-5047</td>
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<td>VICE-PRESIDENT</td>
<td>John Watson</td>
<td>679-5120</td>
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<td>SECRETARY</td>
<td>Vernon Clark</td>
<td>686-9701</td>
</tr>
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<td>TREASURER</td>
<td>Doug Troupe</td>
<td>438-3893</td>
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<td>PAST-PRESIDENT</td>
<td>Chuck Sharp</td>
<td>673-0300</td>
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<td>ATTENDANCE</td>
<td>John Watson</td>
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<td>Chuck Sharp</td>
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<td>EDUCATION</td>
<td>Len Swallow</td>
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<td>ENERGY MANAGEMENT</td>
<td>Walter Lucas</td>
<td>685-0400</td>
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<td>See above</td>
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<td>LEGISLATION</td>
<td>Peter van der Westen</td>
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<td>MEMBERSHIP</td>
<td>Bev Gloin</td>
<td>452-4330</td>
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<td>Wayne Barker</td>
<td>453-0910</td>
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<td>Don Johnson</td>
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<td>Chuck Sharp</td>
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<td>SPECIAL EVENTS</td>
<td>John Gomm</td>
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<td>TECHNICAL</td>
<td>Paul Monaghan</td>
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<td>HISTORIAN</td>
<td>Bert Fenner</td>
<td>See above</td>
</tr>
<tr>
<td>NEWSLETTER</td>
<td>Jeff Haywood</td>
<td>652-5047</td>
</tr>
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</table>
CHAPTER REPORT

The London Canada Chapter began its 1980-81 year with a Board of Governors meeting held June 19, 1980. At this meeting all committees, except the Legislation committee, were formed.

Only three of the committees, the Education, Membership and Social Committees, were chaired by their incumbent chairman. The chapter added a CRC Action, and a Technical committee to the chapter organization for the first time this year.

The resignation of Earl Dawson, Don Morton, Bob Moore, Don Tait and Dick Palser from the chapter executive and committees provided an opportunity for a number of chapter members to participate more fully in the chapter operations. Unfortunately a great deal of experience was lost and extra effort was required from each of their replacements. The further loss, this year, of John Watson, Vernon Clark, Paul Monaghan, Bev Cloin and John Gomm has created a serious gap in the leadership of London Canada chapter.

This is obviously our most serious problem. The nominating committee, together with the Past Presidents and the current Board of Governors met on two separate occasions to determine the best course of action for the chapter. John Payne, a Past-President, has agreed to act as interim president for the year 1981-82 (if elected) with the strong support of the remaining Past-Presidents. Dick Palser, a charter member, and past chairman of the membership and publicity committees has agreed to stand for Vice-President.

Attendance at chapter meetings dropped off seriously in this year, in spite of an excellent and well received program. As well, membership in the local chapter, dropped from 51 last year to 44 for 1980-81 (not including out-of-town members). These problems may be attributed to:

1. Chapter Mailings: The newsletter is sent only to chapter members, and was late more times than not (ie. received the day of the meeting or the Friday before). A goal of having the newsletters in members hands one week prior to the meeting should be set by the new executive. Mailings should also be extended to all society members, other chapters, larger industries, institutions and radio stations to improve membership and attendance. This is the substance of a recommendation to the CRC by Bill Rutherford.

2. Cost to Members: Chapter dues this year were $55.00 plus $3.00 registration at each meeting attended ($79.00 total) which is up $24.00 or 43.6% over last year. This increase is due mainly to the increase in cost of meals for the prepaid meal plan. The format of the meeting or the method of payment for meals must be closely reviewed for next year.
CHAPTER REPORT (Continued)

On the positive side: our Research Promotion and Membership committees fared well this year with excellent increases in each area; the Legislation committee was activated mid-year to respond to a proposed city by-law; and the Technical committee has taken a number of steps toward improving the technical content of our meetings.

W.A. Rutherford
Chapter President
PROGRAM COMMITTEE REPORT

The chapter Vice-President, Captain John Watson, was responsible for the 1980-81 chapter program as committee chairman. As we established in 1979-80, various committee chairmen were assigned meeting nights to promote the activities of their committees. Each chairman was responsible to John Watson for speaker arrangements, while John maintained our program continuity by arranging meeting locations, dinners, etc.

Our April field trip to Windsor was surprisingly well received by society members in the area. Their turnout matched the chapter members turn-out 2 for 1!

The summary of the chapter program below also indicates the meetings format that we have adopted and plan to continue.

<table>
<thead>
<tr>
<th>Date</th>
<th>Topic</th>
<th>Attendance Members</th>
<th>Guests</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sept. 22</td>
<td>Opening Night: Practical Guide to Water Conditioning</td>
<td>34</td>
<td>3</td>
</tr>
<tr>
<td>Oct. 27</td>
<td>Membership Night: High Efficiency Condensing Furnaces</td>
<td>33</td>
<td>4</td>
</tr>
<tr>
<td>Nov. 4</td>
<td>Ladies Night: Kitchen Appliances - Trends and the Effects of Energy Shortage</td>
<td>24</td>
<td>25</td>
</tr>
<tr>
<td>Jan. 29</td>
<td>Research Night: Potential of Fusion Research in Canada</td>
<td>31</td>
<td>5</td>
</tr>
<tr>
<td>Feb. 23</td>
<td>Energy Management Night: 3M's Success at Energy Conservation</td>
<td>27</td>
<td>6</td>
</tr>
<tr>
<td>Apr. 6</td>
<td>Students' Night: Presentation of Students' Papers'</td>
<td>31</td>
<td>12</td>
</tr>
<tr>
<td>Apr. 27</td>
<td>Field Trip: Tour of Chrysler Plant and HVAC Research at Univ. of Windsor</td>
<td>16</td>
<td>34</td>
</tr>
<tr>
<td>June 1</td>
<td>Annual General Meeting: Problems and Solutions Regarding Steam Boilers</td>
<td>–</td>
<td>–</td>
</tr>
</tbody>
</table>

Capt. John Watson
PROGRAM COMMITTEE CHAIRMAN
EDUCATION COMMITTEE REPORT

May 21, 1981

The London Canada Chapter area includes two universities and one technical college which offer ASHRAE related courses of study. These institutions, and the number of students enrolled in each are as follows:

University of Western Ontario 50 students
University of Windsor 40 students
Fanshawe College of Applied Arts & Technology 60 students

Liason was maintained with each of these institutions through:

Professor R.K. Swartman, U.W.O. (chapter member)
Professor W. Colborn, U. of W.
Professor T. MacDonald, U. of W.
Mr. Len Swallow (chapter member)

Two awards were presented at the Student Night to Miss L. Leipceiger and Mr. P. de van der Schoeren in the amount of $25.00.

A technical seminar on the topic "Heat Reclalm Techniques" was conducted at Fanshawe College by Walter Lucas, Chairman of the Energy Management Committee.

In summary, PAOE pints for the year to date should be calculated as follows:

Faculty Liason 4/3 x 75 = 100
Student Incentive 2/3 x 65 = 44
Student Members 78/150 x 900 = 90 (maximum)
Seminars 3 x 7.5 = 22.5
Career Guidance 0
Secondary School Incentive 0

256.5

L. Swallow
EDUCATION COMMITTEE CHAIRMAN
Mr. W.A. Rutherford, P.Eng. - 2 - May 13, 1981

ACHIEVEMENTS

1. Three announcements or short articles were printed. Other articles were submitted and may or may not have been printed.

2. We achieved good coverage for the Hydrogen Symposium in our work as part of the publicity committee and provided a strong ASHRAE input along with Mr. William A. Rutherford (President, London Chapter).

3. Some progress has been made with establishing liaisons with the London Free Press and Western Ontario Business News only.

Report submitted by:

[Signature]

Donald M.R. Johnson,
Public Relations Chairman

DMRJ/jj
May 13, 1981

ASHRAE London Canada Chapter,
P.O. Box 653,
LONDON, Ontario.
N6A 4V8

Attention: Mr. W.A. Rutherford, P.Eng.
Chapter President

Dear Sir,

Re: REPORT FOR YEAR 1980/1981 - PUBLICITY

SOCIETY OBJECTIVES

1. To inform the following groups about ASHRAE's program:
   Employers and potential employers of ASHRAE members; buyers
   and potential buyers of heating cooling, refrigerating, and
   ventilating services; legislators and civil servants concerned
   with building codes and other laws and regulations in our field;
   wives, children, and friends of ASHRAE members; and community
   leaders and others in a position to influence public opinion.

2. To attract bright and promising young people to our industry.

3. To honor leaders in our industry.

4. To help bring new members into ASHRAE.

5. To support efforts to raise money for ASHRAE research.

6. To win respect for ASHRAE members and for our industry.

7. To sense problems before they emerge so that they can be dealt
   with sooner rather than later.

CHAPTER GOALS

1. To publish five articles and announcements in the London Free
   Press, other newspapers and periodicals.

2. To establish a good working rapport with local news persons.
Report for CRC 1980-81 (LONDON CHAPTER)

Research Promotion

Our goal for this year is $2,060.00 which is 60% above our achievement last year. Our campaign was formally initiated in January at our Chapter Meeting which was organized by our committee and included a guest speaker from Ontario Hydro speaking on nuclear research. At that meeting we made a presentation on behalf of ASHRAE Research and showed the current slide presentation.

Since that time letters have been sent out to previous investors and a special letter to prospective new investors. In both cases we enclosed the new ASHRAE Research Canada flyer which has been most helpful. These letters are being followed up by personal contact.

This year we held our April Chapter Meeting in Windsor and took that opportunity to promote ASHRAE Research in that area which has been somewhat neglected in the past. This has already resulted in some new investors.

As of early May we have achieved over 70% of our objective and expect to reach our goal by the time of the CRC in Montreal. Our Research Committee Chairman plans to attend that session at the CRC in Montreal.

C.L. Sharp
Research Committee Chairman
1. Some of those listed took the necessary action to gain membership in good standing.

2. A number of persons asked to have their names withdrawn from the roster, indicating that they may care to reapply at a later date.

3. Some persons could not be located and the society was requested to withdraw the names from the membership list.

General Comments

It would appear that the most effective manner in which to gain new members is by personal contact on a one-to-one basis. Most requests for membership result from the activities of members whose normal business associations bring them into contact with prospective members. Members should be encouraged to bring guests to chapter meetings and thus introduce others to the fellowship and technical advantages of membership.

It is essential and appropriate that note is made of the contribution of Joy Pryce of this office in maintaining the membership filing system and preparing much of the correspondence.

Yours truly,

[Signature]

B.G. Gloin, P. Eng.
Membership Chairman - London Chapter
A.S.H.R.A.E.
1981 05 13

Mr. William Rutherford  
Vanderwesten & Rutherford Ltd  
36 Talbot Road S  
Lambeth, Ontario  
N0L 1S0

Dear Mr. Rutherford:

This report reflects the membership activity for the period July 1, 1980 to date. The target for new members established for this chapter was 7 and the following summary of statistics is an attempt to clarify the present membership totals.

<table>
<thead>
<tr>
<th>Names of New Members</th>
<th>Date of Correspondence Indicating Membership</th>
</tr>
</thead>
<tbody>
<tr>
<td>J. Santilli</td>
<td>Mar 1981</td>
</tr>
<tr>
<td>L. Bezaire</td>
<td>Feb 1981</td>
</tr>
<tr>
<td>R. Barker</td>
<td>Jan 1981</td>
</tr>
<tr>
<td>P. Golem</td>
<td>Jan 1981</td>
</tr>
<tr>
<td>D. Tregenza</td>
<td>Jan 1981</td>
</tr>
<tr>
<td>J. Shiu</td>
<td>Dec 1980</td>
</tr>
<tr>
<td>L. Fodor</td>
<td>Dec 1980</td>
</tr>
<tr>
<td>E. Black</td>
<td>Dec 1980</td>
</tr>
<tr>
<td>D. LeMay</td>
<td>Oct 1980</td>
</tr>
<tr>
<td>D. Clement</td>
<td>Oct 1980</td>
</tr>
<tr>
<td>P. Domouchel</td>
<td>Oct 1980</td>
</tr>
<tr>
<td>K. Magoon</td>
<td>Sep 1980</td>
</tr>
<tr>
<td>R. Ferguson</td>
<td>Jul 1980</td>
</tr>
</tbody>
</table>

In addition 7 membership applications have been forwarded to prospective new members.

The delinquent list revealed a total of 14 persons on July 1, 1980. Three courses of action have now reduced the delinquent list to zero.

...2
An Energy Awards Programme is presently in the process of being implemented. To date the Board of Governors and the Committee Chairman have been unable to formulate the requirements to qualify for winning this award but progress is being made in that area. A Sponsor has been found to donate the Energy Award at such time that the guidelines have been determined.

A jointly sponsored Hydrogen Symposium was organized by the London Chapters of CIC, APEO, IEEE, and ASHRAE. The seminar outlined the production storage and uses of hydrogen as an energy source for the future with one emphasis being its utilization in the HVAC field. Speakers from across North America presented papers to an audience of 78 people.

The preceeding is a summary of the activities of the Energy Management Committee terminating prior to the CRC in May of 1981.

W.P. Lucas,
Chairman, Energy Management Committee
May 20, 1981

Vanderwested & Rutherford
36 Talbot Rd. S.
Lambeth, Ontario
N0L 1S0

Attention: Mr. Bill Rutherford

During the past year, members of the committee produced two talks promoting awareness in the Energy Conservation field.

The first talk was presented during the last quarter of 1980 to the graduating class of Architectural Technology students at Fanshawe College. The slide presentation was based on Ashrae Standard 90-75 prepared by the sub-committee of the Energy Conservation Committee.

The second presentation was also made to Fanshawe College but to their Heating, Ventilating and Air Conditioning Technology students (3rd year). This open discussion covered Energy Conservation through the re-using of warm air exhaust and detailed the different devices available to capture this exhausted energy. The presentation was highlighted with slides of the actual hardware being discussed.

At both presentations literature was left for the participants to further educate themselves on the subject.

A paper entitled "Re-Use Your Exhaust Warm Air" was presented to Western Ontario Business (a business newspaper circulated widely within Southwestern Ontario) as an energy article for publication. For a number of reasons publication of this article in a modified form is not due until Western Ontario Business Energy Publication scheduled for May 26, 1981. A staff writer from WOB has the project in hand and shall be producing the modified version at a level he feels his readership will understand.

Other small articles have been submitted to both Western Ontario Business and the London Free Press for publication with limited success to date.
ASHRAE London Canada Chapter,
P.O. Box 653,
LONDON, Ontario.
N6A 4V8

Attention: Mr. W.A. Rutherford, P.Eng.
Chapter President

Dear Sir,

Re: LEGISLATION COMMITTEE REPORT

The ASHRAE LONDON CANADA CHAPTER LEGISLATION COMMITTEE was formed in response to a letter circulated by the City of London Building Inspection Division. In this letter the City announced its intention to require design data, including calculations, for all projects submitted for building permit applications.

Our committee members: Peter van der Westen, John Bisset, P.Eng., Bob Moore, P.Eng., and Dave Richardson, met on December 17, 1980 and after a general discussion decided to respond in writing to the City. Our response was reviewed by the City and the requirement for submission of design data for all projects was modified.

The revised requirement stipulates that projects which are under the City's jurisdiction of Part 9 of the Ontario Building Code must be accompanied by design data submissions.

Projects that are governed under Part 3 of the Ontario Building Code and which are presented under the seal of a professional engineer may require the submission of design data if, in the judgment of the City, circumstances warrant.

No other items were considered by this committee.

P. van der Westen
Committee Chairman
PvdW/jj
Things We Set Out To Do

1. Set up table top displays at each meeting.
2. Help organize the Hydrogen Symposium at University of Western Ontario.
3. Get talks that appeal to members (in particular try to get more members interested from the building owner and contractor areas). Try to get the program planned in a longer term.
4. Get local people to give some comments on their own actual experience on the same topic as the speaker's talk.

Results

1. We were slow getting started on table top displays because I felt that the display should relate to the speaker's topic. However, Alan Oakes suggested that the Toronto Chapter had successfully operated table top displays without this restriction. Here is what has been achieved since January:

.1 A standard questionnaire and letter has been drawn up and agreed to by the Board of Governors.

.2 This questionnaire was sent to 23 product/service people who are ASHRAE London members (as a first round of mailing).

.3 Walter Lucas of Temprite will present the first table top display on heat recovery equipment at the May meeting.

One problem I encountered was that the response to the questionnaire was very poor. I don't know why.

2. Overall the Hydro Symposium was a success. We had a good ASHRAE speaker - Ulrich Bonne from Honeywell, Minneapolis.

3. Long term program planning did not really get anywhere. Coordination with the Program Chairman was difficult because he was under pressure to get speakers at short notice.

/continued ....
Results - continued

4. At the first meeting of the year (water treatment), I tried to get people such as building owners, equipment suppliers and contractors to give their views on their experience. I was not able to get people talked into this.

Suggestions For The Future

1. Have table top displays. Follow up letters with phone calls to local ASHRAE members. Also, send requests for table top displays to Canadian Head Offices.

2. Co-operate in future events like the Hydrogen Symposium. It is not difficult to set up a speaker and it is good exposure for ASHRAE.

3. Give the Technical Committee responsibility for long term program planning. The Program Committee Chairman would still retain responsibility for each year's program. The Technical Committee would be responsible for finding out what the members want (by questionnaires, for example). At the end of the year he should give, to the incoming Program Chairman, his ideas on next year's talks.

4. Let local ASHRAE people ask questions if they want to (Don't try to talk them into it).

Signed

Paul F. Monaghan
Technical Committee Chairman

PFM/deg
MINIMAL STANDARD CHAPTER CRC REPORT FORM

REPORT TO REGION II CRC CONFERENCE

CHAPTER London Canada No. 

Date May 19, 1981

City London State Ont. SOCIETY YEAR 1980-1981

MEMBERSHIP

<table>
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<tr>
<th>Assigned Members</th>
<th>Current</th>
<th>PAE Points to Date</th>
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<tr>
<td>103</td>
<td>110</td>
<td>259</td>
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Student Members

- Unknown
- 25

Chapter Members

- 4

New Members to Date

- 13

Members Delinquent to Date

- 0

Number of Upgrades

- 1

Date of Membership Night

- Oct. 27/80

Guest Attendance

- 4

EDUCATION

Name(s) of Student Branch

- None

Student Night? Apr. 6/81

- Student Attendance 12

Scholarships? None

- Dollar Value n/a

Grants in Aid? None

- Dollar Value n/a

Special Activities (describe) Lectures to Fanshawe College students on HVAC related subjects, presentations to local service clubs

- PAE Points to Date 250

- or

- as of previous

- June 30

RESEARCH FUND RAISING

<table>
<thead>
<tr>
<th>Quota</th>
<th>Last Year</th>
<th>This Year</th>
<th>PAE Points to Date</th>
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<tr>
<td></td>
<td>1500</td>
<td>2640.00</td>
<td>213</td>
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</table>

| Number of Contributions | 18 | 10
| Dollar Value           | 1283 | 1915.00
| Dollars per Member     | 10.1 | 17.41

Special Activities or Comments Research promotion night held January 29, 1981 to initiate final drive of campaign

ATTENDANCE & PROGRAMS*

<table>
<thead>
<tr>
<th>Number of Technical Programs</th>
<th>Last Year</th>
<th>This Year</th>
<th>PAE Points to Date</th>
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<tbody>
<tr>
<td></td>
<td>8</td>
<td>8</td>
<td>219</td>
</tr>
</tbody>
</table>

| Total Number of Meetings      | 8         | 8         |
| Average Meeting Attendance   | 44        | 37        |
| Number of Pre-Dinner Sessions| 0         | 9         |
| Best Program                  | Apr. 27/81|

Comments on programs, speaker lists, etc. Program well received by participants, good variety.

*Excluding social functions

ENERGY MANAGEMENT

Legislative Liaison

- 2) 1-Day Hydrogen Energy Symposium co-sponsored by the London Chapters of ASHRAE, IEEE, CIC, and APEO held May 1, 1981 at University of Western Ontario, attracted 78 participants. ASHRAE topic given by Dr. Ulrich Bonne, Chairman TC 3.7

Comments on programs, speaker lists, etc. Program well received by participants, good variety.

Continued........
FINANCES

<table>
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<tr>
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<td>Membership Fee</td>
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<tr>
<td>Member Cost of Meals</td>
<td>Incl. above</td>
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<tr>
<td>Guest Cost of Meals</td>
<td>10.00</td>
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<tr>
<td>Cash Bar?</td>
<td>Yes</td>
</tr>
<tr>
<td>Package Plan? Details</td>
<td>$55.00 membership plus $3.00 registration per mtg.</td>
</tr>
<tr>
<td>Other Sources of Income?</td>
<td>Sympsoium</td>
</tr>
</tbody>
</table>

Special Projects or Programs Funded? | None |

SOCIAL FUNCTIONS:
(List and comment briefly)

Fishing day - July 23, 1981: annual event
Sports day - September 23, 1981: annual tennis & golf tournament
Ladies night - November 24, 1980: best attendance of year

CRC ACTION COMMITTEE PROPOSALS:

CHAPTER PROBLEMS:

1. Local membership has dropped off
2. Relocations of chapter officers has depleted our executive for the second year in a row.

CHAPTER INNOVATIONS & SUGGESTIONS:

Suggest serious consideration of the merits of allotting a portion of society dues to chapters on a per member basis to pay for member services such as local newsletters, membership directories, etc. Firmly believe that this will enhance membership, as well as chapter operations.

SIGNED: [Signature]
Chapter President

Attachments: 1.) Best Newsletter of the Year
2.) Special Seminar Program
3.) Chapter Information Questionnaire
4.) Copy of Chapter Roster (Optional)
5.) Product Directory (if published)
ASHRAE CHAPTER INFORMATION QUESTIONNAIRE

CHAPTER LONDON CANADA REGION II FISCAL YEAR 1981-82

Please note: The addresses given on the Questionnaire are used by Headquarters for matters of chapter business only for the entire fiscal year, and are separate from Journal, Handbook, and miscellaneous mailings. Please notify us promptly of Questionnaire changes.

CHAPTER OFFICERS (Do not use nicknames)
(Include area code when listing phone numbers.)

PRESIDENT
Name: JOHN J. PAYNE
Address: VANDERWESTEN & RUTHERFORD LTD.
36 TALBOT RD. S., LAMBETH, ONTARIO N0L 1S0
Phone: (519) 652-5047

SECRETARY
Name: DOUGLAS J. TROUPE
Address: D.J. TROUPE & ASSOCIATES INC.
827 DALKEITH CRESC., LONDON, ONTARIO N5X 1S5
Phone: (519) 438-3893

PRESIDENT ELECT
Name:
Address:
Phone:

VICE PRESIDENT
Name: RICHARD D. PALSER
Address: PALSER ENTERPRISES LTD.
406 OXFORD ST. E., LONDON, ONTARIO N5Y 3H4
Phone: (519) 433-9227

TREASURER
Name: WALTER LUCAS
Address: TEMPRITE INDUSTRIES LTD., SUITE 25,
317 ADELAIDE ST. S., LONDON, ONTARIO N5Z 3L3
Phone: (519) 685-0400

OTHER
Name:
Address:
Phone:

CHAPTERS REGIONAL COMMITTEE REPRESENTATIVES

DELEGATE
Name: JOHN J. PAYNE
Address: VANDERWESTEN & RUTHERFORD LTD.
36 TALBOT RD. S., LAMBETH, ONTARIO N0L 1S0
Phone: (519) 652-5047

ALTERNATE
Name: RICHARD D. PALSER
Address: PALSER ENTERPRISES LTD.
406 OXFORD ST. E., LONDON, ONTARIO N5Y 3H4
Phone: (519) 433-9227

HEADQUARTERS ADDRESS: ASHRAE, 1791 TULLIE CIRCLE, N.E., ATLANTA, GA. 30329
CHAPTER BOARD OF GOVERNORS

Name: C.L. Sharp
Address: AAF-Ltd., 387 Princess Ave.,
London, Ontario, Canada, N6B 2A7
Phone: (519) 673-0300

Wayne Barker
Absolute Systems Ltd., 585 Third St.,
London, Ontario, Canada, N5V 2C1
(519) 453-0910

Name: W.W. Mitchell
Address: London Board of Education
51 Leathorne Blvd., London, Ontario, N5Z 3M7
Phone: (519) 686-5353

R.A. Gonder
University of Western Ontario
Services Building, London, Ontario, N6A 5B9
(519) 679-2209

Please list the following key Chapter Chairmen for use by Headquarters and other regional chairmen, and submit new information promptly if names, etc. are changed:

Membership Comm. Chrnm: Ronald E. Granger c/o Chorley & Bisset Ltd.
Address & Phone: 521 Colborne St., London, Ontario, Canada N6B 2T6 (519) 679-8660

Education Comm. Chrnm: L. Swallow c/o Fanshawe College
Address & Phone: 1460 Oxford St. E., London, Ontario, Canada N5V 1W2 (519) 452-4126

Address & Phone: 36 Talbot Rd. S., Lambeth, Ontario, Canada NOL 1S0 (519) 652-5047

Energy Management Comm. Chrnm: Karl E. Kvas, Ontario Hydro
Address & Phone: 1075 Wellington Rd. S., London, Ontario, Canada N6E 1M1 (519) 681 1390

Program Comm. Chrnm: R.D. Palser
Address & Phone 406 Oxford St. E., London, Ontario Canada N5Y 3H8 (519) 433-9227

MEETING DATES FOR THE 1981-82 FISCAL YEAR
(For publication in the ASHRAE JOURNAL)

July None Oct. 26 Jan. 18 Apr. 26
Aug. None Nov. 23 Feb. 22 May 31
Sept. 28 Dec. None Mar. 29 June None

Regular Meeting Location

Please list below following members who have special chapter functions.

1. Chapter Historian H.V. Fenner
2. CRC Action Committee Chairman W.A. Rutherford
3. Publicity Chairman D.M.R. Johnson
4. Social

5. Does Chapter charge dues? YES X NO _______ AMOUNT $79.00

Is there a prepaid meal plan? X _______ What is the charge? included

Name of Chapter Publication Newsletter

Editor's Name J.G. Haywood c/o Vanderweslen & Rutherford Ltd.
Address 36 Talbot Rd. S., Lambeth, Ontario, Canada ZIP NOL 1S0

Is your chapter legally incorporated? No _______ Year of Incorporation

4/81-mg
### Table 1 — CRC Attendance Points

<table>
<thead>
<tr>
<th>Attendees</th>
<th>Points/Ea.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chapter delegate &amp; alternate</td>
<td>25</td>
</tr>
<tr>
<td>Chapter officers &amp; board of governors (member other than delegate or alternate)</td>
<td>50</td>
</tr>
<tr>
<td>Chapter education committee chairman</td>
<td>50</td>
</tr>
<tr>
<td>Chapter membership committee chairman</td>
<td>50</td>
</tr>
<tr>
<td>Chapter research promotion committee chairman</td>
<td>50</td>
</tr>
<tr>
<td>Chapter energy conservation committee chairman</td>
<td>50</td>
</tr>
<tr>
<td>All other chapter members</td>
<td>25</td>
</tr>
<tr>
<td>If delegate or alternative misses any caucus or CRC session</td>
<td>0</td>
</tr>
</tbody>
</table>

*Note: Maximum award is 250 points*

### Table 2 — Educational Activities Points

<table>
<thead>
<tr>
<th>Factor</th>
<th>Points Determination</th>
<th>Maximum Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>Faculty Liaison</td>
<td>Faculty liaison members</td>
<td>150</td>
</tr>
<tr>
<td></td>
<td>Total available institutions</td>
<td></td>
</tr>
<tr>
<td>Student Incentive</td>
<td>Awards conferred</td>
<td>65</td>
</tr>
<tr>
<td></td>
<td>Total available institutions</td>
<td></td>
</tr>
<tr>
<td>Student Membership</td>
<td>New student members</td>
<td>130</td>
</tr>
<tr>
<td></td>
<td>Total available students</td>
<td>90</td>
</tr>
<tr>
<td>Chapter Sponsored Seminars</td>
<td>Seminar Hours</td>
<td>75</td>
</tr>
<tr>
<td>Secondary School Incentive</td>
<td>Awards conferred</td>
<td>20</td>
</tr>
</tbody>
</table>

*1. Faculty Liaison refers to both University and Technical school faculties in the chapter area.*
*2. Student Incentives refers to students enrolled in the universities and technical schools in the chapter area.*

*Note: Maximum award is 525 points*

### Table 3 — Energy Management Activities

<table>
<thead>
<tr>
<th>Factor</th>
<th>Points Each</th>
<th>Maximum Points Obtaining Per Activity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chapter sponsored energy management seminar (minimum 4 hour sessions)</td>
<td>150</td>
<td>300</td>
</tr>
<tr>
<td>Chapter sponsored energy articles published in local news media</td>
<td>50</td>
<td>200</td>
</tr>
<tr>
<td>Chapter member talks on energy to civic and public service groups</td>
<td>50</td>
<td>200</td>
</tr>
<tr>
<td>Participation in energy management awards program at any level of ASHRAE</td>
<td>100</td>
<td>100</td>
</tr>
<tr>
<td>Chapter input to legislative activity at any level of government (must be documented with information provided or oral testimony before committee or other legislative group)</td>
<td>75</td>
<td>300</td>
</tr>
</tbody>
</table>

*Note: Maximum award is 500 points*
**1. BASIC DATA**

Name: Morrison, Clifton R. (Cliff)

Born: July 27, 1925

Home Address: 64 Georgia Road, London, Ontario, CANADA N6H 2R6

Business: Firm: Johnson Controls Ltd/Ltee

Address: 594 Newbold Street, London, Ontario, CANADA N6E 2W9

---

**2. EDUCATIONAL RECORD**

<table>
<thead>
<tr>
<th>Education</th>
<th>Institution</th>
<th>Course</th>
<th>Years Completed</th>
<th>Date of Grad.</th>
<th>Degree</th>
</tr>
</thead>
<tbody>
<tr>
<td>High School</td>
<td>Lachute High School</td>
<td>SC</td>
<td>4</td>
<td>1942</td>
<td>Jr. Matric</td>
</tr>
<tr>
<td>Technical Institute</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>College or University</td>
<td>McGill University</td>
<td>SC</td>
<td>4</td>
<td>1949</td>
<td>B.S.C. (Agr.)</td>
</tr>
<tr>
<td>Graduate Study</td>
<td>McGill University</td>
<td>Bus Adm</td>
<td>Night</td>
<td>1950-52</td>
<td>2 Credits M.B.A.</td>
</tr>
<tr>
<td>or Other</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

---

**3. PROFESSIONAL EXPERIENCE (include each assignment)**

<table>
<thead>
<tr>
<th>From</th>
<th>To</th>
<th>Employer</th>
<th>Title</th>
<th>Describe duties, as:</th>
</tr>
</thead>
<tbody>
<tr>
<td>1969</td>
<td></td>
<td>Johnson Controls Ltd/Ltee</td>
<td>Branch Manager Sales, Administration</td>
<td></td>
</tr>
<tr>
<td>1949</td>
<td>1969</td>
<td>Johnson Controls Ltd/Ltee</td>
<td>Sales Supervisor of Engineer controls installations. Design work with consultants, support sales, estimating.</td>
<td></td>
</tr>
</tbody>
</table>

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**4. ENGINEERING REGISTRATION**

State | Date | Number | State | Date | Number |
|------|------|--------|------|------|--------|

---

**5. MEMBERSHIP AND ACTIVITIES IN OTHER SOCIETIES OR TRADE ASSOCIATIONS**

<table>
<thead>
<tr>
<th>Society or Trade Assn</th>
<th>Grade</th>
<th>Yr Admitted</th>
<th>Committee</th>
<th>Year</th>
<th>Chr or Member</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mechanical Contractors Association</td>
<td>M</td>
<td>1969</td>
<td>Management Trustee of Union Pension Plan</td>
<td>1970</td>
<td>Member</td>
</tr>
</tbody>
</table>

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(Continued on back page)
Name: Morrison, Clifton R. (Cliff)

6. ASHRAE HISTORY
B. Chapter: Offices held, with dates
   Chapter President - London Canada 1974
   Chapter President - Montreal Canada 1963
C. Chapter committee service
   Chapter President - Regional Conference Region II

6. National Activities

<table>
<thead>
<tr>
<th>From</th>
<th>To</th>
<th>Name of committee or other activity</th>
<th>Chairman</th>
</tr>
</thead>
<tbody>
<tr>
<td>1973</td>
<td>79</td>
<td>Nominating Committee</td>
<td>M</td>
</tr>
<tr>
<td>1974</td>
<td>79</td>
<td>Nominating Committee</td>
<td>M</td>
</tr>
<tr>
<td>1974</td>
<td>79</td>
<td>Education Committee</td>
<td>M</td>
</tr>
<tr>
<td>1974</td>
<td>79</td>
<td>Education Committee</td>
<td>M</td>
</tr>
<tr>
<td>1974</td>
<td>79</td>
<td>Publishing Committee</td>
<td>M</td>
</tr>
<tr>
<td>1977</td>
<td>80</td>
<td>Chapters Regional Conference Region II</td>
<td></td>
</tr>
<tr>
<td>1978</td>
<td>80</td>
<td>Chapters Regional Conference Region II</td>
<td></td>
</tr>
</tbody>
</table>

7. TECHNICAL INTEREST AREAS (heat transfer, odor, controls, heating) Controls

8. HONORS
ASHRAE Certificate of Appreciation 1963, 1974, 1979
Honorary Societies, Citations, Awards Regional Award of Merit 1978
Listed in Who's Who in...

9. PUBLICATIONS (technical)
Number of books
Papers
Articles
List significant publications (title, publication, date)

10. PROJECTS: List below significant projects
Project identification
Year
Your Relationship
Significance

11. PATENTS
Number of U. S. patents
List below significant patents

12. CIVIC, CHARITABLE, AND MILITARY SERVICE
Royal Canadian Air Force - Pilot Officer - Navigator

13. OTHER INFORMATION (Also use this space for extension of items from above)
Offices Held Recently:
President - McGill Graduates Society - London Branch
Director - London Executives Association
Director - Highland Country Club
Trustee - Pension Plan U.A. Local 595

(Use additional sheets if necessary)
Proposal to: 1980-81 REGION II
CHAPITERS REGIONAL CONFERENCE
MONTREAL, QUEBEC

Submitted by: ASHRAE LONDON CANADA CHAPTER

Proposed: That ASHRAE adopt a policy of providing funds to each chapter allotted on the basis of area membership, and that these funds be allocated from society membership dues.

Discussion: The strength of ASHRAE lies in its Chapter structure and committee organization. It is vital to the future of the society that the quality of our membership be maintained at its present high standard. In order to ensure that talented new members are attracted to the Chapters and to society committees it is imperative that we improve communications with them. One very positive method of improving communications with prospective chapter members, and enticing them to become involved in ASHRAE is through the medium of chapter newsletters, and other related mailings.

London Canada Chapter costs for mailings to chapter members only was approximately $14.00 per chapter member for the 1980-81 year. Chapter membership dues are already too high, and are listed as a contributing factor to our recent loss of members. The additional expense of sending chapter mailings to all area members can not be afforded by the chapter.

The high cost of these mailings is partly caused by the relatively small chapter size. (50 members), and would be reduced for a larger membership base.

The allotment of funds from society, based on area membership, would permit improved communications between the chapter and all area members. This in turn would increase chapter membership, and members' ability to contribute to ASHRAE.
CIC-APEO-IEEE-ASHRAE 1-Day Hydrogen Energy Symposium

The Chemical Institute of Canada (CIC), the Association of Professional Engineers of the Province of Ontario (APEO), the Institute of Electrical and Electronics Engineers (IEEE), and the American Society of Heating, Refrigerating and Air-Conditioning Engineers (ASHRAE) are jointly organizing a one day symposium on hydrogen energy.

Date: May 1, 1981
Location: Room 40, Business School, The University of Western Ontario, London, Ontario, Canada.

The symposium brings together outstanding expertise in the areas of hydrogen production, storage, utilization and economics. Additional topics dealing with the latest research and development in hydrogen energy will be presented.

Hydrogen is an important alternative fuel source which represents a highly efficient energy carrier, and compares favourably with other fuels which are available today. It can be used as a chemical feedstock in the production of refined petrochemical products and other chemicals. Moreover, hydrogen is non-polluting and is an abundant resource. This symposium provides an update of the State-of-the-Art in hydrogen technology and emphasizes the future role which hydrogen will play as the forever fuel.

The symposium pre-registration fee is $85.00 ($95.00 at the door) which includes luncheon, coffee breaks and a copy of the abstracts.

To pre-register (and save ($10.00) please complete the attached form and mail it, with your payment, by April 17, 1981. A registration package including receipt, registration badge, map, luncheon ticket and free parking sticker will be mailed to you.

CIC/APEO/IEEE/ASHRAE HYDROGEN ENERGY SYMPOSIUM COMMITTEES

Scientific Program
A. Margaritis—Chairman, CIC, The University of Western Ontario
A. Webster, The University of Western Ontario
N. Blackburn, John Labatt Limited.
P. Monaghan, Chorley and Bisset Limited

Budget
W. Rutherford, President, ASHRAE, Vanderwestern and Rutherford Limited
J. Watson, Canadian Armed Forces
T. Dumas, Agriculture Canada, London Research

Publicity
W. Greason, Chairman, IEEE, Northern Telecom Canada Limited.
J. Maksymyck, General Motors of Canada Limited.
G. French, Ministry of Transportation and Communication
D. Johnson, Vanderwestern and Rutherford Limited

Local Arrangements
D. Whitred, Chairman, APEO, Northern Telecom Canada Limited
S. Waite, SACDA, The University of Western Ontario
F. Jurchuk, Fanshawe College
D. Weber, The University of Western Ontario
W. Lucas, Temprite Industries Limited.

(see reverse side for Program)

SYMPOSIUM REGISTRATION FORM

1-DAY HYDROGEN ENERGY SYMPOSIUM

May 1, 1981
Room 40, Business School, The University of Western Ontario, London, Ontario, Canada

Please register me for the Symposium. Enclosed is my cheque payable to the London Chapter, ASHRAE, in the amount of:

☐ $85.00 (at door) ☐ $30.00 (Student)

Name: ......................................................
Address: ..................................................
Company: ..............................................
Telephone: ............................................

Mail this form to:
W.A. Rutherford, Vanderwestern and Rutherford Ltd.,
36 Talbot Road South, Lambeth, Ontario N0L 1S0
Symposium Program

FIRST SESSION

Chairman—Dr. G.F. Chess, Dean of Engineering, Faculty of Engineering Science, The University of Western Ontario, London, Ontario Canada.

9:00 a.m.
Introduction and Welcome
Mr. A.K. Adlington, Vice President, The University of Western Ontario, London, Ontario, Canada.

9:10 a.m.
“Electrolytic Hydrogen Production”
Mr. A.K. Stuart, President, Electrolyser, Inc., Toronto, Ontario, Canada.

9:50 a.m.
“Cost Effective Systems for Hydrogen Production from Hydrocarbon Feedstocks”
Dr. R.G. Minet, Kinetics Technology International Corporation, Pasadena, California, USA and Mr. K. Desai, Union Carbide Corporation, Tarrytown, New York, USA.

10:30 a.m.
Coffee Break

11:00 a.m.
“Hydrogen Production from Biological Systems”
Dr. A. Margaritis, Chemical and Biochemical Engineering, Faculty of Engineering Science, The University of Western Ontario, London, Ontario, Canada.

12:00 noon—2:00 p.m.
Luncheon Address—“The Hydrogen Economy: Future Policy Implications”
Dr. Lewis Slotin, Policy Advisor, University Branch, Ministry of State, Science and Technology, Ottawa, Ontario, Canada.

SECOND SESSION

Chairman—Dr. D. Scott, Department of Mechanical Engineering, The University of Toronto, Toronto, Ontario, Canada.

2:00 p.m.
“Candu* with Hydrogen”
Dr. M. Hammerli, Atomic Energy of Canada Limited, Chalk River, Ontario, Canada.

2:40 p.m.
“Hydrogen as a Fuel”
Drs. D. McCammond, R.D. Venter, J. Wallace, C.A. Ward, Department of Mechanical Engineering, The University of Toronto, Toronto, Ontario, Canada.

3:20 p.m.
Coffee Break

3:50 p.m.
“Hydrogen Fuel for Space Conditioning of Buildings”
Dr. V. Bonne, Corporate Technology Centre, Honeywell Incorporated, Bloomington, Minnesota, USA.

4:30 p.m.
Overview and Conclusions
Dr. D. Scott, Department of Mechanical Engineering, The University of Toronto, Toronto, Ontario, Canada.

5:00 p.m.
End of Symposium
Regular Meeting

Highland Golf & Country Club
279 Commissioners Rd., E., London, Ontario

Monday, Sept. 22, 1980

Social Hour - 5:30
Dinner - 6:30

Guest Speaker
MR. ROBERT D. CAMPBELL
Manager, New Products Group
Dearborn Chemical Company Limited

“Practical Guide to Water Conditioning”
CHAPTER MEMBERSHIP

Higher costs for printing, postage, meals and just about everything else require that chapter membership dues be increased. In order to minimize the expense to all members the Board of Governors has established the following policy for this year.

Local Member: $55.00 chapter dues, plus $3.00 registration fee for each chapter meeting attended payable at the meeting.

Out-of-Town Member: $15.00 chapter dues, plus $10.00 registration fee for each chapter meeting attended payable at the meeting.

Student Member: $5.00 chapter dues, plus $8.00 registration fee for each chapter meeting attended payable at the meeting. The registration fee is waived if the student attends the meeting after dinner.

CHAPTER MEETINGS

Paul Monaghan is the chairman of our newly formed Technical Committee. It will be Paul's responsibility to foster technical discussions of the meeting topic.

John Watson our program committee chairman is presently arranging the meeting agenda for this year. If there are any topics of particular interest to you, please let John know in the near future.

Both John and Paul are working together to provide an interesting year, with emphasis on the practical aspects of our industry.

SPORTS DAY

The annual London Chapter golf tournament has grown. This year's event will include tennis, golf, putting, mini-golf, driving range, dinner, and a social evening for members and friends. With the sponsorship provided by Johnson Controls this year, this event promises to be the best local tournament around. If you haven't already done so, contact John Gomm at 472-6410 right away to register.

GOLF & DINNER $20.00
TENNIS & DINNER $20.00
DINNER $10.00

"Figworth, it has come to my attention that you are renting out the darkroom to couples from the accounting department."