

## PRESIDENT'S MESSAGE

Welcome Back. I trust that you had an enjoyable summer. Your Chapter Board of Governors finished off their summer at an Inspirational Chapters Regional Conference in Halifax. Seven of us attended workshops and business sessions in preparation for what we believe will be a top notch chapter program for 1992/93.

My personal thanks to Brenda Stonehouse, Bert Fenner, Michael Gubesch, Bill Ovington, Tom Drennan, Dan Shah, Brad Daneau and Darryl Boyce for volunteering their time to serve the chapter this year.

We have set several goals to continue the success of the chapter.

- We will revamp the reporting procedures within the chapter board, and to region and society.
- We will question chapter members for input on program, dues, etc.

As a challenge, I suggest that you get involved with chapter activities. Please come to our board meetings, or better yet, sit on a committee. You will find that your efforts will be rewarded.

Owen Glendon

## OPENING NIGHT

Opening Night is "Membership Night" which will fall on Monday, September 28, 1992. In order to promote this night, the cost for guests to attend has been reduced from \$20.00 to \$15.00. Please invite your cohorts and help make this month's meeting a real success.

## PROGRAM

**GUEST SPEAKER:** James A LeBer  
Lerner & Associates

**TOPIC:** The Application of the Law of Tendering

Mr. LeBer was born in Toronto, Ontario. He obtained a Bachelor of Science degree from Queen's University in 1980 and a Bachelor of Laws degree from the University of Western Ontario in 1983. He was called to the Bar in 1985.

Mr. LeBer is an active member of the London and District Construction Association. He has both spoken and written about construction law at Association functions and in Association publications. He has also taught in the Litigation Section of the Bar Admission Course.

Mr. LeBer's preferred area of practice is civil litigation, with an emphasis on commercial and construction litigation. He has a special interest in the use of computers in litigation.

Mr. LeBer plans to cover the basic principles of the Law of Tendering as determined by the Supreme Court of Canada in 1981. Principles established in subsequent cases will be reviewed. Finally, a form of tender used by the City of London will be considered and a couple of examples will be worked through.

In order that a wide variety of concerns and opinions may be expressed, a number of General Contractors from the local area have been invited to attend.

This should make for a very interesting evening.

## FUTURE PROGRAMS

For the 1992-1993 year, the goal is to present a wide variety of meeting topics which will be interesting, entertaining and possibly provocative. We are working on the following possibilities:

- \* Refrigeration Night - the latest in CFC's with a tech session on reclaiming, reusing and recycling.
  - \* Spouses Night - possibly a night out at Western Raceway.
  - \* Education Night - a tech session featuring a sponsored car.
  - \* Tour Night - possibly One London Place or Labatt's.
- A more detailed report will be upcoming.

## EDUCATION COMMITTEE

This year the education workshop at the Halifax C.R.C. stressed the importance of providing young people with the resources to get a good education. Part of the responsibilities of this Committee is to reach out to the young people from Kindergarten through University providing them with guidance and/or information to make career choices. For the younger children, the guidance should be towards keeping up with maths and sciences, and the older group could be encouraged to become Engineers. In North America, one Engineer graduates for every 10 lawyers and in Japan 10 Engineers to every 1 lawyer. Maybe with some guidance and encouragement from our colleagues these numbers can change.

It is this Committee's goal to provide such guidance and encouragement to make it happen. I would like to create a list of people willing to participate in Career Days, Yathopa, science fairs, etc. at our local Grade and Secondary Schools. Also have some of our Companies take part in the "Be an Engineer for a Day" program or participate in our local Secondary School, College and University co-op programs. I have, in my possession, some helpful information on how to prepare for classroom presentations. There are also several good videos for different age groups that we can obtain.

Last but not least, we should also be keeping up with Adult Education and Professional Development seminars. If anyone has completed any courses recently, please forward the information to myself so that I may update PAOE points.

Brenda Stonehouse

## HVAC COMPUTER EXPO

The Toronto ASHRAE Chapter is presenting a HVAC Software Exhibit and Seminar on Monday, October 26, 1992, at the Sheraton Parkway Hotel in Toronto. It is a show for HVAC related software products. Further information is provided in the enclosed brochure.

## NEWSLETTER

Cats have nine lives. ABCO Copy Cats back and will once again be producing the Newsletter. While that aspect of the newsletter is different, the format will remain basically unchanged. The only except is the extra page which will be added from time to time as the amount of information wants.

Brad Daneau

## HISTORIAN'S REPORT

I attended a very helpful and informative workshop at the 1992 CRC in Halifax. As a result of the discussions it was decided that a history of the first five years of Chapter operations including the formative meetings would be an acceptable target for the coming year. Quebec has already done this.

It was also proposed that a handbook or guide for Chapter Historians would be prepared in an effort to help get some Chapters started on the right track. Generally the idea is to keep it simple to begin with, and expand it later as additional material comes available.

I have undertaken to prepare the first five years of London Chapter's history as discussed and hope to get the help of those principally involved to suggest and edit.

After reviewing the files, I have discovered we have no records for the year 1972-1973. Will you please look into your files and see what you can find. This last is addressed to any park rat like me.

Bert Fenner

## MEMBERSHIP COMMITTEE REPORT

Chapter membership goals this year are to promote increases in membership, especially from the Academic and contracting communities, as well as, other groups such as students.

Due to tough economic times, and to encourage new chapter memberships, the Board of Governors has decided not to increase the fee structure, but to leave it at the 1991-1992 level.

The fee structure is as follows:

\$125	Full membership: this includes the dinner, Newsletter, and your name in the Chapter Roster.
\$40	Out-of-town membership: this includes the Newsletter and your name in the Chapter Roster. Dinners are extra, at \$20 for each meeting you attend.
\$20	Guests: this includes the dinner
\$10	Students: this includes the dinner.

Michael Gubesch



# Newsletter

**London Canada Chapter**  
American Society of Heating, Refrigerating and  
Air Conditioning Engineers Inc.  
521 Colborne Street, London, Ontario N6B 2T6

## Board of Governors

PRESIDENT Owen Glendon 679-8660  
VICE-PRESIDENT Peter Ziebart 681-1390  
SECRETARY Kirk Flowers 657-1010  
TREASURER Grant Hilliard 681-1221

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CRC ACTION Darryl K. Boyce  
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89 - 90 Greg James  
90 - 91 Tom Drennan Dr.  
91 - 92 Darryl K. Boyce

## OPENING NIGHT

### Highland Golf & Country Club

279 Commissioners Road East, London, Ontario

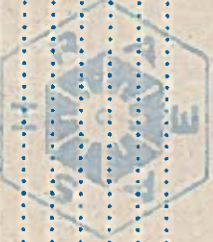
## Monday, September 28, 1992

Social Hour - 5:30 PM

Dinner - 6:30 PM

Guest Speaker: **James A. LeBer**, Lerner & Associates

Topic: The Application of the Law of Tendering



## PRESIDENT'S MESSAGE

What type of chiller and which refrigerant should we be using in our new facilities?

What should we do about our existing cooling equipment when replacement refrigerant becomes prohibitively expensive or unavailable?

These are two questions we are asked, especially by facilities people, with increasing frequency.

The Montreal protocol has ensured the demise of some of our most popular and efficient refrigerants. Many issues related to alternative refrigerants/cooling methods have not been resolved.

The service industry is expressing concerns about toxicity levels and revised TEL's!

What are the efficiency losses and how do they impact on global warming concerns?

What "breaks" will come from our much promised revised Operating Engineers Act?

When will our burdened provincial government reposition the bill on the legislative agenda?

The equipment manufacturers are deeply involved in providing solutions. They are dictating the industries options, and the options are numerous.

Representatives from three of the equipment heavy hitters, Trane, Carrier and York, will present their opinions and solutions to these concerns at the October Chapter Meeting.

Do plan to attend. If you know of any facilities people impacted by this issue, please invite them.

Owen Glendon

## HVAC COMPUTER EXPO

A further reminder that the Toronto ASHRAE Chapter is presenting a HVAC Software Exhibit and Seminar on Monday, October 26, 1992, at the Sheraton Parkway Hotel in Toronto. Pamphlets were included in last month's newsletter.

## PROGRAM

**GUEST SPEAKERS**

Mike Premovic, P. Eng.  
Director of Commercial Applied and Control systems Sales  
Carrier Canada

Norm Clark, P. Eng.  
Branch Manager  
Trane Canada

Trevor Frith, P. Eng.  
National Sales Manager  
Applied Systems Division  
York International

**TOPIC:** Perspectives on Synthetic Refrigerants for Centrifugal Chillers

**PURPOSE:** To present information to aid designing engineers and building owners in their decisions regarding applications of centrifugal chillers using synthetic refrigerants instead of the current CFC refrigerants.

**FORUM:** Each speaker in turn will be given an opportunity to present their company's current position on CFC refrigerants and chiller technology. Their views on the future of the industry and the directions their companies have chosen to take will also be covered. This program is intended to be informative. The format was chosen to avoid debating and commercialism. A short question period will follow each presentation. Questions should be addressed only to the speaker on the floor at that time.

## TECHNICAL SESSION

**TOPIC:** Refrigerant Reclaiming and Recycling

**GUEST SPEAKER:** Bob McCulloch, R. J. McCulloch  
Engineering

Mr. McCulloch will present a technical session during the social hour, and will cover refrigerant reclaiming and recycling. This may be of particular interest to any owner's representatives in attendance as invited guests of some of the local engineering consultants.

## FUTURE PROGRAMS

As promised in last month's newsletter, here is a more detailed report on future programs.

November meeting will be Companion Night - the night out for members and their spouses will be at Western Fair Raceway for an evening of exciting racing action. Fifty (50) tickets have been reserved. The cost is \$30.00 per couple for a member and guest or \$25.00 per person.

January meeting will be Education/Student Night - the meeting is expected to be held at the University of Western Ontario. The guest speaker will be John Terisac of U.W.O. and his presentation will be on the solar-powered car.

February meeting will be dedicated to T.E.G.A. A speaker has not yet been finalized.

March meeting will be Research Night - arrangements are being made to get a speaker on a local research project.

April meeting will be Tour Night - arrangements are being made to tour One London Place.

May meeting is still open.

June meeting is the ASHRAE GOLF TOURNAMENT.

## MEMBERSHIP

The local Chapter would like to welcome the following new Society Members:

Grant R. Hilliard  
Michael A. Fagan  
Ron E. Danner  
Robert T. Pollard

We have at the local Chapter, extend our invitation to each of you to come out to our next Chapter meeting.

## RECEPTION

Owen Glendon had to do some scrambling to fill the position of Reception left vacant with the advancement of Grant Hilliard to the position of Treasurer. Well, Owen has come through with flying colours by getting Chris McEwen, of Vanderwesten & Rutherford Ltd, to volunteer.

## REFRIGERATION COMMITTEE REPORT

ASHRAE is continuing to emphasize Refrigeration as a fundamental technology of our society, and, encourages our chapter to plan activities in education, technology advancement and outreach to other organizations on Refrigeration-related subjects.

To help with planning activities, I am pleased to introduce the members of the Refrigeration committee:

Eric Shaw  
Hernan Asuncion

Thank you, gentlemen, for volunteering your time and effort. I encourage any chapter member to join our cause. Many hands make light work!

The goals for the year are to hold a number of events which are eligible for P.A.O.E. points as follows:

- |                                             |     |
|---------------------------------------------|-----|
| * Refrigeration Night                       | 50  |
| a) Technical Session                        | 100 |
| b) Chapter Program                          | 50  |
| * Presentation to R.S.E.S. chapter          | 50  |
| * Joint meeting with R.S.E.S. chapter       | 50  |
| * Refrigeration program with student branch | 50  |

Bill Ovington

## TEGA COMMITTEE REPORT

I have had informal discussions with Peter Ziebart regarding the course of action that should be taken in order to promote ASHRAE's objectives as described in the TEGA workshop manual. I am proposing to send an invitation to the local consultants for the submission of their best energy efficient design for the Technical Award program. This award may also apply to local projects designed by non-local consultants.

The TEGA committee's goals are as follows:

- \* Promote ASHRAE and its technical resources to the government, provinces and other professional groups.
- \* Maximize the P.A.O.E. points received by the London Chapter by following TEGA committee guidelines.
- \* Encourage participation by other members of the Chapter in the activities of the committee.

Dan Shah



# Newsletter

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## REFRIGERATION NIGHT

### Highland Country Club Ltd

279 Commissioners Road East, London, Ontario

OCTOBER

Monday, ~~September~~ 26, 1992

Social Hour - 5:30 PM

Dinner - 6:30 PM

Topic: Perspectives on Synthetic Refrigerants for Centrifugal Chillers

Technical Session: Refrigerant Reclaiming and Recycling

## PROGRAM

The November monthly meeting will be Companion Night. Come out for an evening of exciting racing action at Western Fair Raceway. Note that the date is Wednesday, December 2, 1992, as indicated on the front cover. This is not a misprint.

A limited number of tickets have been reserved. The cost is \$30.00 per couple for a member and guest or \$25.00 per person. To ensure a spot, contact Peter Ziebart at Ontario Hydro 680-4514 or fax to 680-4555. These numbers are different from the numbers listed in the roster or on the back of the newsletter.

Please confirm by phone or fax by November 27, 1992. Tickets will be available at the customer service desk the night of the event.

## MEMBERSHIP

The local chapter would like to welcome Mr. D. M. Simic to ASHRAE as a Society member, and Mr. Janusz Widz as a Local Chapter member. We, here at the Local Chapter extend our invitation to each of you to come out to our next Chapter meeting.

Since the last delinquency report dated November 1, 1992, our Chapter has 22 members who have not yet paid their Society dues. The ASHRAE Society offers many benefits, such as the Journal and Insights, which help keep us abreast of new developments in the HVAC industry. Society Membership is also a requirement for Local Chapter membership. Therefore, I ask that we get those cheques in.

Just to forewarn you, I will be conducting a telephone campaign to upgrade Society level membership status. There is no cost associated with this and it is intended solely to benefit our members.

Michael Gubasch

## EDUCATION COMMITTEE REPORT

The Education committee would like to report that the student membership for this year is 22 members, an increase from 16 members the previous year. I have met with the students on two occasions this year to promote membership and to discuss student chapter operations.

We are planning to have a speakers night for the U.W.O. students. A panel of four Engineers will talk to the students about their careers, with a question and answer period to follow. Anyone willing to participate should call me as soon as possible. We hope to have the meeting near the end of this month or sometime in January.

We would also like to have some of our local companies who require the services of an HVAC Engineer participate in a program called "Be an Engineer for a Day". Each participating student would go to an office for an afternoon and follow the engineer through an average afternoon routine. This program offers the students some insight into what to expect in the field. If you are willing to participate please let me know as soon as possible.

I would like to thank Olindo Rizzolo for going to Emily Carr Public School last week to speak with the grade seven and eight classes about a career in the field of Engineering.

I participated in a Career Day at a local public school this week. If any of you are asked to participate in a Career day we would like to know; and if you require any helpful aids for this event, we can obtain videos suitable for different age groups of children.

We still have not received any information from members completing continuing education courses or seminars. I have enclosed a form for reporting the information. Please take a few minutes to fill it out or pass on to others. Thank you.

Brenda Stonehouse

## REFRIGERATION COMMITTEE REPORT

The responses to our October program have been encouraging. Our guest speakers were rewarded for their efforts by the genuine interest shown by our chapter, and, I thank them for their quality presentations.

John Pollock, Region II Vice-Chair for Refrigeration attended and has submitted 150 P.A.O.E. points to be awarded for our Refrigeration Night. This puts us half way to our objective.

My added thanks to Owen and Peter for taking charge in my absence.

Bill Ovington



# Newsletter

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## COMPANION NIGHT

An evening of exciting racing action

## WESTERN FAIR RACEWAY

Western Fair Grounds  
900 King Street, London, Ontario

Wednesday, December 2, 1992

Dinner - 6:30 PM

Racing - 7:30 PM

## PRESIDENT'S MESSAGE

Firstly, on behalf of the Chapter Board of Governors, I wish you and yours a Happy and Prosperous New Year.

The committees have put together a very interesting program for the remainder of the year. I thank them for their continuing involvement and enthusiasm.

It appears that the coming year will challenge our industry. Demands to reduce CFC usage are increasing. Client and customer quality expectations are on an upswing. It appears that the economy is very slowly turning the corner to reasonable health.

Through continued involvement with organizations like ASHRAE, I think we are better equipped to deal with the challenges. Now is a good time to join a committee or to introduce a new member.

See you on January 18th.

## PROGRAM

Guests: Dr. John D. Tarasuk  
Mr. Matthew Butson

Topic: Solar Powered Vehicle

The January monthly meeting will be Education/Student Night. To suit the occasion, the meeting will be held in Room 218, Somerville House (The University Club), University of Western Ontario. A map of the university campus indicating visitors parking and the location of the meeting is included.

After the dinner at Somerville House, the meeting will be shifted to the Engineering building. The presentation will take place where the solar powered vehicle is currently being constructed.

Dr. Tarasuk will speak briefly, giving an overview of the project. Matthew Butson, the student project leader, and several student team leaders will then make the presentation.

About Dr. John D. Tarasuk

Education

\* Bachelor's Degree in Mechanical Engineering (University of Toronto)

\* Master's Degree in Mechanical Engineering (University of Toronto)

\* Ph.D. in Mechanical Engineering (University of Saskatchewan)

Work Experience

\* Consultant in Heating and Air Conditioning

\* Research and Development Engineering in Pulp and Paper Production

\* Professor and Chairman of Mechanical Engineering

Research

\* Thermodynamics, Heat Transfer

\* Published more than 70 scientific papers

Special Projects

\* Designed and built a solarium (featured in Canadian Living Magazine)

\* Currently developing a special refrigeration system for air conditioning of homes that do not use freon

\* A member of the Steering Committee for "Habitat for Humanity"  
\* Faculty advisor to Sunstang & Western's Super Mileage Vehicles

Awards

\* Edward G. Pleva Award for Excellence in Teaching, awarded at The University of Western Ontario

## FUTURE PROGRAMS

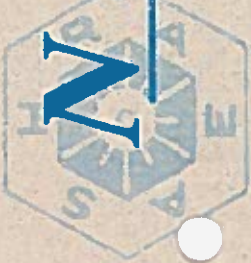
\* February meeting will be dedicated to T.E.G.A. The speaker will be Dr. Ray Corneil, who was a technical advisor to the City of Kingston from 1987 to 1992, and his topic will be non-utility power conversion.

\* March meeting will be Research Night.

\* April meeting will be Tour Night and the facility to be visited will be One London Place.

\* May meeting is still being arranged.

\* June meeting is the ASHRAE Golf Tournament.



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91 - 92 ..... Darryl K. Boyce



## EDUCATION/STUDENT NIGHT

### The University Club

Somerville House, Room 218  
University of Western Ontario

## Monday, January 18, 1993

Social Hour - 5:30 PM

Dinner - 6:30 PM

Guests:

Dr. John D. Tarasuk, Professor,  
University of Western Ontario

Matthew Butson,  
Student Project Leader  
University of Western Ontario

Topic:

Solar Powered Vehicle



## PRESIDENT'S MESSAGE

I had the good fortune of spending a few days at the Chicago ASHRAE winter meeting. As usual, it was filled with encouraging and educational events. In my opinion, the industry will soon be seeing significant changes. This was evident in the change of focus of the events from that of only two years ago.

The discussion regarding the future of refrigerants has escalated to a war of words amongst the manufacturers. "Global warming potential" is the next hurdle to be overcome. The number of manufacturers building refrigerant reclaim/recovery equipment has increased dramatically.

Alternative methods of cooling and their energy sources are being actively pursued and highly touted. High quality European and far Eastern products are making big inroads into the North American market.

If the size of the turnout for these events is a relative barometer of economic health, it looks like better days are ahead. There were times at the trade show when it was hard to move in the crowds.

A major ASHRAE event provides an ideal venue to keep in touch with the growth in the industry.

I encourage all ASHRAE members to invest their time and participate in these events. Your involvement can only add to their value.

## PROGRAM

**GUEST:** \* Dr. Ernest Ray Cornell  
B.Sc., Ph.D., P.Eng.

**TOPICS:** \* Co-Generation Projects  
\* Energy Management Projects  
\* City of Kingston

The February monthly meeting will be T.E.G.A. Night. That's Technical, Energy and Government Activities. Our guest, Ray Cornell will cover a number of related topics, but will centre his discussion on the City of Kingston and their experiences in dealing with Ontario Hydro. It should be an interesting and informative presentation.

The February meeting will also promote member grade advancements as well as push the membership to assist in attracting new recruits. Everyone is encouraged to attend.

About Dr. Ernest Ray Cornell

Ray is a professor-emeritus of Mechanical Engineering, Queen's University at Kingston. He recently taught courses at the final year level in Systems Engineering (large scale problem solving), Engineering Ethics, and Internal Combustion Engines. Over 34 years at Queen's, he has taught numerous courses including Control Systems, Thermodynamics, Dynamics, Experimentation, Computer programming, and Digital Logic. He served as Department Head 1978-81.

A past president of the Association of Professional Engineers of Ontario (President 1987-89), Ray was member of APEO Council 1978-80, 1981-89. He was also a member of the Board of Directors, Canadian Council of Professional Engineers, 1987-89, and a member of the Executive Committee, Canadian Council of Professional Engineers, 1989-90.

Ray is President of E. R. CORNELL & ASSOCIATES INC., a company which has worked with the City of Kingston, as technical advisor on Energy Conservation matters, since 1987.

Ray has also provided engineering services to Xerox, Phillips Cables, Noranda, Transport Canada, Canadian National, Canadian Pacific, Revenue Canada, etc.

## FUTURE PROGRAMS

\* March meeting will be Research Night. The speaker will be John Lovitt, a Senior Plant Engineer with Morrison Hershfield Ltd. and the topic will be the ASHRAE sponsored project 663-RP on Stack Effect in Tall Buildings.

\* April meeting will be Tour Night. One London Place will be the feature tour.

\* There are so many ideas for the May meeting that a final decision on the topic and speaker has yet to be made.

\* June meeting will be the ASHRAE Golf Tournament. Hugh Palser is busy taking care of the arrangements.

## MEMBERSHIP

Membership is currently promoting member grade advancement for the London Chapter member. If your original Society membership ranking is affiliate or associate, and you have not been upgraded in the past five years or so, you are probably eligible for a membership upgrade.

Society members are ranked as follows depending on education, age, and experience:

1. Full Member
2. Associate Member
3. Affiliate Member
4. Student Member

Your membership ranking is an indicator to other ASHRAE members of your experience and knowledge in the HVAC industry. It's well worth your time to find out if you qualify for a membership upgrade. Please contact me at this month's meeting, or call me at the number listed below, if you would like an application for membership advancement.

On a heavier note, there are still 16 members of the local Chapter who have not yet paid their Society Dues. In most cases I assume this has been an oversight or the renewal information has been misplaced. The local Chapter will be sending out letters, shortly, outlining the procedure for reinstatement of membership status.

This month's meeting is also another membership promotion night. Please bring your friends and cohorts along so that they can get a taste of what ASHRAE is about.

## HARVEY CHAMBERLAIN

Everyone was saddened to hear about the passing of Harvey. He will be missed by all. Anyone wishing to make a donation to the Palliative Care Unit of Parkwood Hospital on behalf of Harvey may do so by sending a cheque made out to Parkwood Hospital Foundation - PCU and marking on it "In memory of Harvey Chamberlain". The address is Parkwood Hospital Foundation, 801 Commissioners Road East, London, Ontario, N6C 5J1.

## U.W.O. STUDENT RESUMES

A number of students have prepared resumes which have been put together in book form. These booklets will be made available to all chapter members. If anyone is interested in hiring a student to fill a part-time or full time position, copies of the resume booklet will be available at the monthly meeting or through Brenda Stonehouse @ 672-8511.

## CONSTRUCTION TRADE SHOW

The eighth annual Construction Trade show was held Tuesday, February 9, 1993 at the Western Fair Grounds in London. ASHRAE London Chapter, as one of the four sponsoring organizations, supported this successful event. Over 1,000 attended the show to see product displays in 143 booths. HVAC products were well represented. Thankyou to those who participated as well as those who helped with registration. I hope that you had an opportunity to attend the show and I would appreciate hearing your comments.

Grant Miles



# Newsletter

**London Canada Chapter**  
American Society of Heating, Refrigerating and  
Air Conditioning Engineers Inc.  
521 Colborne Street, London, Ontario N6B 2T6

## Board of Governors

**PRESIDENT** Owen Glendon 679-8660  
**VICE-PRESIDENT** Peter Ziebart 681-1390  
**SECRETARY** Kirk Flowers 657-1010  
**TREASURER** Grant Hilliard 681-1221

## Committee Chairs

**CRC (DELEGATE)** Owen Glendon  
**CRC ACTION** Darryl K. Boyce  
**EDUCATION** Brenda Stonehouse  
**TECHNICAL, ENERGY & GOV. ACTIVITIES** Dan Shah  
**MEMBERSHIP** Michael Gubesch  
**NOMINATION** Tom Drennan  
**PROGRAM** Peter Ziebart  
**RECEPTION** Peter Ziebart  
**RESEARCH** Darryl K. Boyce  
**HISTORIAN** Bert Fenner  
**NEWSLETTER & PUBLICITY** Brad Deneau  
**REFRIGERATION** Bill Ovington

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87 - 88 Peter Golem  
88 - 89 Charles Clemance  
89 - 90 Greg James  
90 - 91 Tom Drennan Dr.  
91 - 92 Darryl K. Boyce



## T.E.G.A. NIGHT

### HIGHLAND COUNTRY CLUB LTD.

279 Commissioners Road East  
London, Ontario

**Monday, February 22, 1993**

Social Hour - 5:30 PM  
Dinner - 6:30 PM

**Guest: Dr. Earnest Ray Corneil**

**Topics:** \* Co-Generation Projects  
\* Energy Management Projects  
\* City of Kingston

## PRESIDENT'S MESSAGE

Most people I talk to these days, feel that this economic recovery will be a "jobless" one. Quite possibly those positions lost to N.A.F.T.A., increased mechanization and conscious efforts to improve efficiency through layoffs and attrition, may never return.

This situation drives home the need for Canadians to concentrate their efforts in the "high-tech" areas, whether it be service related or manufacturing.

Surely, research and development fuels the fire of growth in this direction. Unfortunately, Canada spends a disproportionately small amount on R & D, when compared to some of our G7 competitors.

Yes, government policy can encourage more research activity, but so can the individual. The chapter board of governors will be soliciting each area assigned member for research donations.

Help support your industry and add to the security of our future.

Also, the engineering faculty of U.W.O. asked the Chapter to donate to their "Sunstang" solar car project. The Board has suggested that we table a motion at this month's Chapter meeting to donate to this cause. Please give it your consideration.

## PROGRAM

GUEST: \*  
Mr. John Lovatt,  
Senior Project Engineer

TOPIC: \*  
ASHRAE Sponsored Research  
Project 663-RP Stack Effect in  
Tall Building

Have you ever wondered why the lobby doors of a tall building are often very difficult to open in the winter? Or why the elevator doors often whistle, especially when they open? In some buildings, the elevator doors stick and won't open or close properly on cold days. These are all common symptoms of stack effect, so-called because it's the force that draws hot exhaust up a chimney stack.

The March monthly meeting will be Research Night. Our guest speaker, John Lovatt, will describe the work of the ASHRAE Task Group for Tall Buildings. John will discuss the findings and demonstrate some of the techniques and equipment for measuring stack effect.

### About John Lovatt

John Lovatt is a Senior Project Engineer in the Building Science Services section of Morrison Hershfield Ltd a consulting engineering firm which provides services relating to building envelope, air movement, energy conservation and indoor air quality in buildings. John is a graduate of the University of Waterloo in Systems Design Engineering where he specialized in energy systems. Over the past ten years he has been involved in a wide range of assignments, including modelling energy use and savings related to air leakage in houses and larger buildings, modelling ventilation rates and pollutant build-up in houses without mechanical ventilation systems, and design and field review of major envelope upgrades to buildings in the Ottawa area. John has been a member of ASHRAE since 1984, and served for two years on Standards project Committee 136 developing a method for assessing indoor air quality in Detached Dwellings. Most recently, he has been project engineer for ASHRAE sponsored research project 663-RP on Stack Effect in Tall Buildings.

## TECH SESSION

During the social hour, a video cassette tape 'Sharing Resources Globally' will be shown. The display will set us near the reception desk.

### FUTURE PROGRAMS

The April meeting will be Tour Night. One London Place, one of London's newest landmarks, will be the feature tour.

### MEMBERSHIP

The Membership Committee received a good response to it's membership advancement drive last month. Nine Local Chapter members out of fifty-four accepted Membership Advancement Applications. I thank all of you who took the time to fill out your applications and forward them to the ASHRAE Society.

The membership drive also had a strong response with four potential new members accepting application forms. Thanks to all of you who brought your fields and cohorts to the last meeting.

We currently have fourteen unpaid Local Chapter Members. The Local Chapter dues go toward paying for the monthly Chapter Meeting meals and guest speakers. Could those of you who are not paid up please forward your dues as soon as possible. Your participation is much appreciated.

Michael Gubesch  
679-8860



# Newsletter

**London Canada Chapter**  
American Society of Heating, Refrigerating and  
Air Conditioning Engineers Inc.  
521 Colborne Street, London, Ontario N6B 2T6

## Board of Governors

**PRESIDENT**  
**VICE-PRESIDENT**  
**SECRETARY**  
**TREASURER**

Owen Clendon  
Peter Ziebart  
Kirk Flowers  
Grant Hilliard

679-8660  
681-1390  
687-1010  
681-1221

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**CRC (DELEGATE)** ..... Owen Clendon  
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**RESEARCH** ..... Darryl K. Boyce  
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90 - 91 ..... Tom Drennan Dr  
91 - 92 ..... Darryl K. Boyce



## RESEARCH NIGHT

# HIGHLAND COUNTRY CLUB LTD.

279 Commissioners Road East  
London, Ontario

## Monday, March 29, 1993

Social Hour - 5:30 PM  
Dinner - 6:30 PM

**Guest:** Mr. John Lovatt,  
Senior Project Engineer  
Morrison Hershfield Limited,  
Consulting Engineers

**Topic:** ASHRAE Sponsored Research  
Project 663-RP Stack  
Effect in Tall Buildings

## PROGRAM

Everyone should meet at the restaurant Mario and Jaggz for the social period at 6:00 PM and dinner at 6:30 PM.

The tour of ONE LONDON PLACE, one of London's newest landmarks, will commence after the dinner.

We expect a very good turnout and hope to see everyone there.

## FUTURE PROGRAMS

The May meeting will have a speaker making a presentation on Stress Management.

## EDUCATION COMMITTEE REPORT

On Wednesday, April 7, I attended a meeting and dinner with the "Women in Engineering" group from the University of Western Ontario.

I am pleased to introduce Joe Claessens as a member of the Education Committee. Thank you, Joe, for volunteering your time and effort.

Brenda Stonehouse  
672-8511

## MEMBERSHIP COMMITTEE REPORT

The local Chapter would like to welcome Mr. Wayne Walker and Mr. Neil Courneya to ASHRAE as society members. We here at the local Chapter extend an invitation to each of you to come out to our next Chapter meeting. I look forward to seeing you there.

Michael Gubesch  
679-8660

## RESEARCH COMMITTEE REPORT

Research contributions collected to date are \$2,700.00 which is 51% of the Chapter goal of \$5,300.00 and \$1,675.00 in pledges.

I still have a number of contacts to compete with past contributors and new contributors.

We should be able to exceed our goal of \$5,300.00 by June of 1993.

We would like to recognize the following companies, and thank them for their generous donations.

<u>COMPANY</u>	<u>AMOUNT</u>
Unkon Gas	\$2500 - \$4999
Chorley & Bisset Ltd	\$500 - \$999
Drennan Refrigeration	\$250 - \$499
Glover Hill Inc.	\$250 - \$499

The Chapter Phonathon is planned for the week of April 21, 1993. We still need 2 - 3 more people to make calls. Please contact me if you are able to spare one or two evenings.

Darryl K. Boyce  
661-3302

## DONATION

We would like to thank the Chapter for approving the donation of \$400.00 to the University of Western Ontario group, currently working on the "Sunstang" solar powered vehicle.

## BOARD OF GOVERNORS MEETING

A special meeting of the Board of Governors was called to order at 4:45 PM at the highland Course for a discussion with Dalton McIntyre, Region II DRG.

Present: O. Glendon, President

D. Boyce

B. Stonehouse

K. Flowers

P. Zeibart

G. Hilliard

B. Fenner

Dalton made a general review of the PAOE points recorded to date (some of the RVC's have not as yet computed their totals).

Owen Glendon confirmed that we are submitting Speaker Evaluation forms.

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

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

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

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

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

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

We adjourned to the dining room for our regular meeting.

## DISCLAIMER

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OK9



# Newsletter

**London Canada Chapter**  
American Society of Heating, Refrigerating and  
Air Conditioning Engineers Inc.  
521 Colborne Street, London, Ontario N6B 2T6

## Board of Governors

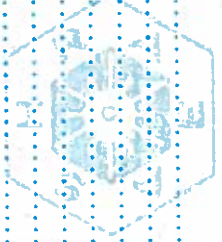
PRESIDENT	Owen Glendon	679-8660
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87 - 88	Peter Colem
88 - 89	Charles Clemance
89 - 90	Greg James
90 - 91	Tom Drennan Dr.
91 - 92	Darryl K. Boyce



## TOUR NIGHT

### ONE LONDON PLACE

### Monday, April 26, 1993

Social Period: 6:00 PM

Dinner: 6:30 PM

AT

Mario and Jaggz  
428 Clarence Steet  
London, Ontario

Tour of One London Place to Follow Dinner

## PRESIDENT'S MESSAGE

Thanks to all those who participated in our Phonathon to raise money for ASHRAE Research and Discuss Chapter Activities.

Of the 49 area assigned members that could be reached, 25 made personal contributions.

Those individuals were: Hernan Asuncion, John Bisset, Darryl Boyce, Ron Britnell, Joseph Claessens, Charles Clemance, Neil Courneyra, Matthew Cy Ma, Brad Deneau, Kirk Flowers, Owen Glendon, Ronald Granger, Jeff Haywood, Grant Hilliard, Don Johnson, Cyril Mayo, Derek Macartney, David McCormick, Cliff Morrison, Kristine Norris, Bill Ovington, Michael Palmer, Ewart Roberts, Bill Rutherford, Linda Rutherford. For those who could not be reached, Darryl Boyce is still humbly accepting contributions.

We were also pleased with the constructive responses to our questions on Chapter activities. Generally you felt:

- 1) The Highland venue is appropriate, food acceptable/good and Monday Nights are suitable.
- 2) Chapter membership dues are reasonable, but many would support higher rates to supplement increased Chapter activity (i.e. pay for speakers).
- 3) The newsletter was sufficiently informative, though it could still arrive earlier for those with cumbersome/inher office mail systems. The meeting program was good with more emphasis on new technology.
- 4) Specifically, some suggestions were:
  - 1) Reevaluate need for spouses night.
  - 2) Schedule more building/facility tours.
  - 3) Speaker topics - atomic energy power generation - smoke evaluation - cogeneration enhancements - industrial energy conservation - etc.
  - 4) Bring in ASHRAE PDS Seminar to London.

All of your suggestions will be carefully reviewed by the Board of Governors. We feel confident that with your help, the quality of our program will improve. And, thanks Darryl and Brad for those hours on the phone

## PROGRAM

Guest Speaker: Dr Rose Marie Jaco  
Topic: Stress Management

That deadline is fast approaching. The telephone and fax machine both won't quit. No time for dinner, the kids need a ride to baseball. Those are your kids, aren't they? The doctor's told you to lose 10 pounds, but you haven't been to the gym in three months. You have also been told to cut down on the coffee and quit smoking.

Sound all too familiar? While we can not eliminate stress from our lives, we may be able to get a better handle on it. Dr. Jaco, our guest speaker for this month's program, will be presenting some techniques on stress management. Come out to the meeting. It should be an interesting, as well as, informative evening. This will be our last formal meeting for the 1992-93 season.

About Dr. Rose Marie Jaco

### Degrees

- 1987 Ph.D., Faculty of Social Work, The University of Toronto. Thesis: "A Study of the Marital Role-Related Learning Needs of Engaged People".
- 1973 M.A., Sociology, The University of Western Ontario. Thesis: "Family Life Education as an Instrument of Attitude Change".
- 1954 B.S.W., Social Work, St. Patrick's College, Ottawa.
- 1950 B.A., University of Toronto.

### Employment History

- 1990 Private Practice in Psychotherapy and Counselling.
- 1989 - Associate Professor, Department of Social work, King's College, The University of Western Ontario.
- Present Courses Taught:  
Introduction to Social Welfare and Social Work  
Introduction to Professional Practice  
The Helping Process  
Social Work with Individuals and Families  
Family Social Policy  
Women and Social Work Practice  
Family Practice  
Social Work in Health Care Settings

1968-1989 Sabbatical Leave

1980-1988 Associate Professor, Department of Social Work, King's College, The University of Western Ontario

1979 Assistant Professor, Department of Social Work, King's College.

1973-1976 Lecturer, Department of Social Work, King's College.

1972-1973 Part-time Lecturer, Department of Social Work, King's College.

3 Years Part-time, Department of Social Work, St. Joseph's Hospital, London, Ontario

2 Years Mental Health Clinic, Sudbury General Hospital, Sudbury, Ontario.  
Children's Aid Society, Lanark County, Ontario.

### Academic Interests

Family Life and Marital Education.  
Suicide Prevention.  
Health Care Delivery.  
Voluntary Social Services.

### FUTURE PROGRAMS

London Chapter  
ASHRAE

### GOLF TOURNAMENT

Oxbow Glen Golf Course  
Monday, June 21, 1993

Golf + Dinner = \$48.00

Dinner - 6:00 PM = \$25.00

Tee-Off Times: 10:00 AM to 12:00 Noon  
(Limited Space)

For Reservations Call - Palser Enterprises  
471-9382

Prize donations Welcome

Sponsored by: Don Morton Sales Ltd

## RESEARCH COMMITTEE REPORT

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

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

Darryl Boyce

### NOMINATIONS

Nominations for Board of Governors for ASHRAE London Chapter have been received as follows:

PRESIDENT: Peter Ziebart  
VICE PRESIDENT: Kirk Flowers  
SECRETARY: Grant Hilliard  
TREASURER: Brenda Stonehouse

### MEMBERSHIP COMMITTEE REPORT

The local Chapter would like to welcome Mr. Mark Broughton, Mr. Peter Edmiston and Mr. Wayne Hutchison to ASHRAE as Society Members. We, here at the local Chapter extend an invitation to come out to our next Chapter meeting.

The Membership Committee thanks everyone who paid their Society and Local Chapter membership dues. A few individuals have left their dues unpaid, but overall most members are in good standing.

Mike Gubesch

### DISCLAIMER

Due to overwhelming response during the Phonathon, the disclaimer clause will be discontinued.



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91 - 92 Darryl K. Boyce



## MAY MEETING

# HIGHLAND COUNTRY CLUB LTD.

279 Commissioners Road East  
London, Ontario

## Monday, May 31, 1993

Social Hour & Tech. Session - 5:30 PM

Dinner - 6:30 PM

Guest: Dr. Rose Marie Jaco  
Associate Professor  
Department of Social Work  
King's College  
University of Western Ontario

Topic: Stress Management