

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

LONDON CANADA CHAPTER #116

londoncanada.ashraechapters.org

October 25/2004

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Program

Applying Variable Volume Pumping (Modern HVAC systems)

Phil Searle., C.E.T.
Manager of Consultant Services
ITT Fluid Products Canada

The presentation will provide an introduction to the "Tools Of The Trade" available to Consulting Engineers in designing medium to large Hydronic distribution systems. Advantages and disadvantages of varying methods are discussed in addition to revisiting some of the basic principles that have been used for many years.

Phil graduated in Mechanical Engineering at the North Staffordshire Polytechnic, U.K., in 1974. He joined the Application Engineering Department of ITT Fluid Products Canada in 1978, specializing in Heat Transfer products and HVAC system design. He graduated from the 13 week ITT "HVAC system design" program in the summer of 1990 and assumed the role of Manager, Consultant Services in 1991.

For many years, Phil has been a representative of the ITT Bell & Gossett technical advisory committee. Recently, this committee produced the newest 3-day course offering entitled "Large Chilled Water System Design Workshop. This course, among others, are presented at the famous "Little Red Schoolhouse", located at Bell & Gossetts facility in Morton Grove, Illinois.

Meeting Location

The Lamplighter Inn
591 Wellington Rd., London

London Chapter Members = \$30.00 or \$160.00 meal plan
Students = \$15.00 Guests (all others) = \$35.00

Monday October 25/2004

Resource Promotion Night

5:15-Social 6:00-Dinner 7:15-Program



President's Message

The Program for the year is nearly set. You can check out the topics and dates on our website, at:
<http://LondonCanada.AshraeChapters.org>

Be sure to mark your calendar with the meeting dates. Several of the topics this year should be of interest to people in the industry who don't normally attend our meetings, so if you know of someone who might be interested, please invite them to attend. If you know anyone who would benefit from joining ASHRAE, you can put them in touch with John Kelly at jkelly2@trane.com.


Our social event this year will take place in March instead of December. On March 3rd, we have a 54 seat box reserved at the John Labatt Centre for a London Knights OHL hockey game. Tickets will go quickly, so speak to Joe Claessens at the meeting if you're interested.

Last month's meeting was also our Student Night. We had twelve students attend, and their meals and ASHRAE student membership were sponsored by a number of our member companies. I'd like to thank those companies for their support and assistance in making the students aware of ASHRAE.

See you at the meeting.

Derek B. Vakaras, P.Eng.
London Canada Chapter President

Pete Edmiston
Branch Manager



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Jim Dinkel
Account Executive

Student Sponsors

The following corporations have sponsored local students to the September Chapter meeting and their student membership in ASHRAE

- | | |
|--------------------------|---------------------|
| Chorley & Bisset Ltd. | Pollard Engineering |
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The London Chapter would like to thank the sponsors for their continuing support.

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Previous Meeting Summary

On September 27, 2004 we kicked off our 2004/2005 ASHRAE season with our first chapter meeting of the year. The attendance was down slightly, we believe due to a conflict between our meeting date and Palser Enterprises' 50th Anniversary. On behalf of the London ASHRAE Chapter we would like to extend our congratulations to Hugh and Dick Palser and their staff. Our first meeting was student night and we had 12 new students from the University of Western Ontario and Fanshawe College.

The topic was on "Large Fan Balancing and Case Histories", it was very well presented with a power point display. The topic informative and interesting and touched on metal fatigue, vibration analogous, bearing selections and support, effect of corrosion both chemical and heat on equipment. We would like to thank our two speakers Frank Frabotta and Dave Hillis of Baymar Supplies in Windsor.

We hope to see more people out at our October Meeting.

CTTC Chair & Vice President, London ASHRAE Chapter
Joe Claessens

Resource Promotion Night

The Resource Promotion Campaign annually raises funds to support ASHRAE's research program. It is conducted by the Society's membership through local chapter volunteers and receives over 7,000 contributions each year from the membership and companies associated with the HVAC&R industry.

This annual support totals more than \$1.7 million annually and is matched dollar-for-dollar by ASHRAE from the proceeds of the annual winter AHR Exposition. Since ASHRAE pays all the fund raising expenses, 100% of every donor's invested dollar goes into the research program.

ASHRAE Research Canada is a registered non-profit organization in Canada. Contributions from Canadian businesses are deductible as allowed by law. Please consult your tax advisor

Members have several ways to submit individual or company contributions:

- a) with their dues payment
- b) mailing directly to ASHRAE in Atlanta
- c) by forwarding their contributions to their Chapter's Resource Promotion chair.
- b) on the www.ASHRAE.org web site (charge to a credit card) in the left menu, click the Contribute Online link

Payments should be made to ASHRAE Research Canada and addressed to: Resource Promotion, 1791 Tullie Circle, Atlanta, GA 30329.

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2003-2004 Resource Promotion Recognition Program

The following donors will be listing in the ASHRAE's October Journal Issue - Honour Roll (recognition starts at \$100.00 for individuals and \$150.00 for companies)

Westminster Mechanical	Abram Sheet Metal	Somers Environmental
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London Canada ASHRAE Chapter		

Daryl Somers	Joseph Claessens	Peter Golem
Dennis Dawe	Derek Vakaras	John Bisset
Tom Pollard	Craig Morasch	Scott Edmunds
Scott Turner	Owen Glerd	

Total contributions by London Canada for 2003-2004 was over \$9,907.00

Why Invest in ASHRAE Research Canada

ASHRAE has been conducting research since 1919 and is now supporting HVAC&R research worldwide. ASHRAE Research has an annual budget of \$3 million, which supports over 70 active projects at any given time. Not only is every dollar invested in ASHRAE Research Canada being re-invested in Canadian projects, but ASHRAE Research is also investing an additional \$3 dollars in Canadian research projects.

ASHRAE Research Canada is addressing the global concerns of energy conservation, environmental controls, and indoor air quality (IAQ). Continuous investment is needed to help develop, validate, update and education the HVAC&R profession on new energy, IAQ, and refrigerant technologies. From the results of ASHRAE Research, HVAC&R engineering departments are provided with constantly updated handbooks, special publications, standards, guidelines, journals, forums, and technical bulletins.

For a list of current research projects and those being considered for funding, please go to the Technology section on ASHRAE Online (www.ashrae.org)

ASHRAE Research 2003-2004 Commemorative Coin William L. Holladay

In his 1968 Presidential address, Holladay, as the incoming ASHRAE President, extolled the three virtues that previous ASHRAE Presidents highlighted in their Presidential speeches, adding an additional one: Lifelong Learning. Holladay said Lifelong Learning referred "to the obligation each of us has to continue educating oneself, keeping abreast of an ever-advancing technology." He believed that such education was achieved four ways: through listening and interacting with fellow engineers, through study and research, through attending or teaching formal and correspondence courses and through membership and active participation in ASHRAE.

It was this commitment to Lifelong Learning that prompted Holladay to join ASRE in 1930 after graduation from California Institute of Technology. Working for 35 years as a consulting engineer and president of Holladay, Egget & Helin, he specialized in litigation, studies and system improvements. He served as an expert witness in a multitude of cases and consultant on system improvements and energy to such organizations as Denny's, J. Paul Getty Museum and the city of Inglewood, CA.

A Presidential Member, Fellow and Life Member of ASHRAE, Holladay served as Chairman for the Honors and Award Committee, Charters and Bylaws Committee, Weather Data Committee and member of the Research and Technical Committee and was the initiator of the Louise and Bill Holladay Distinguished Fellow Award in 1979. He was also President of the Southern California Chapter three times, author of multiple books, papers and articles in the ASHRAE Journal and patent holder on a heat exchanger. Bill Holladay passed away in December of 2000 at the age of 89.