



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

LONDON CANADA CHAPTER #116

<http://LondonCanada.AshraeChapters.org>

MON MARCH 19/2007

Board of Governors

President

Scott Turner
ph: 519-681-1977
scott@somersep.com

Vice President and Program

Scott Edmunds
ph: 519-667-4108
sedmunds@uniongas.com

Treasurer

Eric Shaw
ph: 519-964-0022
eshaw@baymarsupply.com

Secretary

Jason Vanderberghe
ph: 519-670-8066
jasonv@aquatech.ws

Committee Chairs

Membership

Karl Gilroy
ph: 519-451-5100
kgilroy@price-hvac.com

Research

Joseph Claessens
ph: 519-672-8511
jclaessens@smylicrow.ca

Student Activities

Jack Maynard
ph: 519-681-1221 ext223
jack.c.maynard@jci.com

Golf Tournament

Hugh Palser
ph: 519-471-9382
hpalser@palserent.com

Newsletter

Tom Pollard
ph: 519-685-2570
tpollard@execulink.com

TOPIC:

COMBAT MOLD WITHOUT REHEAT “The Control of Temperature and Humidity without Conventional HVAC Systems”



Evans J. Lizardos, P.E.

ASHRAE Fellow and Distinguished Lecturer
Lizardos Engineering Associates, P.C.
Mineola, NY

Meeting - Mon March 19/2007

THE LAMPLIGHTER INN, 591 Wellington Rd., London

RESEARCH NIGHT

London Chapter Members = \$25.00
Students = \$10.00 Others = \$35.00

CASH BAR
5:15-Social

ALL YOU CAN EAT BUFFET
6:00-Dinner 7:15-Program





President's Message

Thank you to all of those that could join us last month for the tour of the UWO Biotron Building as well as the West Valley (Animal Care) Building, and a special thanks to George Qubty from the UWO for helping us arrange the tour. We hope to enjoy a large turn out for this month's speaker as we feature an ASHRAE Distinguished Lecturer Mr. Evans Lizardos, P.E., be sure to invite a friend, colleague, or business associate along for a great talk and a great dinner. Be sure to mark Wed. April 25th in your calendars for the ASHRAE London Tradeshow, tickets will be available at the door at this month's meeting or from any of the Board of Governors (see flyer at end of newsletter for more information). And finally Monday June 4th has been set for the ASHRAE London Chapter Golf Tournament to be held again this year at Forest City National, sign up forms will be available soon.

Scott Turner

London Canada Chapter President 2006-2007

Speakers Bio

Evans J. Lizardos, P.E. is Founder and President of Lizardos Engineering Associates, P.C., a 75-person mechanical and electrical consulting engineering firm located on Long Island, a suburb of New York City. The company turns 40 in April 2005 and is engaged in the design and analysis of all aspects of building systems. Evans serves as Chief Mechanical Engineer for the firm and holds regular technical sessions for the engineering staff. As a LEED 2.1 Accredited Professional, Evans has held several in-house LEED workshops, which encouraged 16 members of the LEA staff to also obtain their LEED certification.

Evans served as President of the Long Island Chapter of ASHRAE, and was elevated to the grade of ASHRAE Fellow in 1988. He was Vice Chairman of the of 1998 ASHRAE Refrigeration Handbook, and is past Chairman for 11 chapters of the ASHRAE Handbook Committee. Currently, he is Chairman for 18 chapters of the ASHRAE Refrigeration Handbook and a contributing author for the 1996 edition of the Complete Building Equipment Maintenance Desk Book.

In addition, ASHRAE has awarded Evans for his professional accomplishments and service to the community with the ASHRAE ALCO Award for Distinguished Public Service, the ASHRAE Past Presidents Award for continued service to the Long Island Chapter, the ASHRAE New York City Chapter Award for his service and devotion to the organization, and the ASHRAE Distinguished Service Award.

He has received certification by the Association of Energy Engineers as an Energy Manager, Demand-Side Management, Indoor Air Quality, and Cogeneration Professional. He was a lecturer for ASHRAE, IEEE, AEE and ASME sponsored courses and was an instructor for a Hofstra University curriculum in Process, HVAC and Industrial Controls.

ASHRAE London March presentation will be on "Innovative Airside Systems Designed to Conform to ASHRAE 90.1 and Improve IAQ and Avoid the Use of Reheat". This lecture covers Existing or new HVAC system to precondition outside air that is being used for ventilation to prevent mold growth in buildings.

Next Meeting - Wed April 25/2007

ASHRAE LONDON TRADE SHOW 3:00pm to 9:00pm

THE LAMPLIGHTER INN, 591 Wellington Rd., London

Tickets = \$10.00 in advanced or \$15.00 at the Door

Pete Edmiston
Branch Manager

Carrier Canada Sales and Distribution
305-307 Consortium Court
London, ON N6E 2S8
Tel: 519-455-7000
Fax: 519-455-7733
E-mail: pete.edmiston@carrier.utc.com

BAYMAR
SUPPLY LTD.

Eric W. Shaw
Sales Manager, London District

241 Consortium Crt.
London, Ontario N6E 2S8
Tel: (519) 964-0022
Cell (519) 851-8000
Fax (519) 680-7039
eshaw@baymarsupply.com
www.baymarsupply.com

SIEMENS

Siemens Building Technologies, Ltd.

514 Newbold Street
London, ON
Canada N6E 1K6

Tel: (519) 680-2380 ext. 2800
Fax: (519) 680-2410
Toll Free: (800) 361-9268
jim.dinkel@siemens.com
www.sbt.siemens.com

Jim Dinkel
Account Executive

Phone: (519) 268-3166
Fax: (519) 268-3165
Web Site: www.eriemetal.com

HEATING
VENTILATING
CUSTOM FABRICATING
COMPUTERIZED PLASMA CUTTING
INDUSTRIAL - COMMERCIAL

JOE LEGUE
President
248 HAMILTON CRESCENT
DORCHESTER, ONT. N0L 1G1

IRONROSS INC. (est. 1986)

Manufacturers Agents for Industrial & Commercial Air Handling Products

FANS • COILS • AIR HANDLING UNITS • SILENCERS • ISOLATION • FILTERS • DAMPERS

Jim Ironside **George Clark** **Larry Mills (Sarnia)**

678 BELMONT AVE. WEST, SUITE 304
KITCHENER, ONTARIO N2M 1N6
PHONE: 519-742-0171 FAX: 519-742-0543
E-MAIL: info@efi-ironross.com

NORTHERN INDUSTRIAL
— FANS & BLOWERS —

SCOTT C. DEAN, P. Eng.

Tel: (519) 740-7000
Fax: (519) 740-0051
1-888-FAN-COIL
niscont@primus.ca

4-122 Earl Thompson Rd, AYR, ON N0B 1E0



February Meeting Summary



The Feb tour night was held that the UWO Biotron building currently under construction. Researchers were on site to explain the operation of various rooms and specialized equipment. George Qubty from UWO also arranged for a tour of the mechanical service room at the newly completed West Valley Bldg (also known as the Animal Care Facility).

ASHRAE SATELLITE BROADCAST & WEBCAST

April 18, 2007

Indoor Environmental Design: Practical Solutions to Everyday Problems

This free broadcast will present specific solutions to the everyday challenges of achieving indoor environmental quality within real-world budget constraints. Speakers will describe how you can provide ventilation air that helps protect the building from mold risk, how to avoid the three most common mistakes in ventilation system design and operation, how to achieve all three goals of IAQ, thermal comfort and noise control at lower cost through better air distribution decisions, and how to provide comprehensive filtration without breaking your budget. This program is sponsored by ASHRAE's Chapter Technology Transfer Committee

Online registration for site coordinators and webcast viewers begins March 1. Registration for satellite viewers begins March 15. Information about the speakers and program is available at: www.ashrae.org/iedbroadcast

A \$50 discount off a one-year membership will be extended to anyone who joins ASHRAE as a new member in conjunction with the broadcast. See website for details.

Society's Memorial Scholarship for 2007-2008

The ASHRAE London Chapter is pleased to advise that Brian Coulter, a student from the University of Western Ontario, was selected by ASHRAE's Scholarship Trustees at the 2007 Winter Meeting in Dallas, TX to receive the Society's Memorial Scholarship for 2007-2008. This is a one-year \$3,000 scholarship awarded to a deserving undergraduate student who meets the criteria of the Society's Scholarship Program.

The ASHRAE Scholarship Program is designed to encourage and assist in the education of men and women pursuing a career in the field of heating, ventilating, air conditioning and refrigeration (HVAC&R) through its granting of scholarships and fellowships. The program also serves the public interest by aiding in the education of men and women to become qualified to practice as engineers in the HVAC&R field.

Congratulations to Brian.



SOMERS ENVIRONMENTAL
PRODUCTS INC.

Daryl Somers, CET

3392 Wonderland Road S.
Building 3, Unit 7
London, Ontario N6L 1A8

Tel: (519) 652-1977
Fax: (519) 652-9323
Mobile: (519) 670-7720
email: daryl@somersep.com

Norm Clarke, P. Eng.
District Manager



TRANE

Trane Canada
8 Belleisle Court
London, On N5V 4L2
Tel 519 453 3010
Fax 519 453 3024

Windsor Tel 519 256 7922
Sarnia Tel 519 337 0740

AQUA TECH
SALES & MARKETING INC.

Jason Vandenberghe
Technical Representative

4390 Paletta Court
Burlington, Ontario L7L 5R2
web: www.aquatech.ws

Bus. (905) 631-5815
Cell. (519) 670-8066
Fax. (905) 637-8655
email: jasonv@aquatech.ws



ENGINEERING LTD.

Jim Bender, P.Eng.
Contracting Sales

#6 - 320 Neptune Cres.
London, ON N6M 1A1
Tel: (519) 457-6700
Fax: (519) 457-8900
bender@htseng.com

Toll Free: (800) 341-3110

PALSER ENTERPRISES LTD.
MECHANICAL AND ARCHITECTURAL
MARKETING AGENCY

Hugh D. Palser

LONDON, ON

CONCORD, ON

TEL: (519) 471-9382
FAX: (519) 471-1049

TEL: (905) 738-5200
FAX: (905) 738-6111

E-Mail: hpalsen@palserent.com

DURELL CONTROL SYSTEMS INC. BUILDING AUTOMATION SYSTEMS **Delta CONTROLS PARTNER**

D.D.C. Energy Management
HVAC Controls - Electronic & Pneumatic

Bob Durk
Manager

Phone (519) 652-5502 • Fax (519) 652-0265
e-mail: bdurk@durellcontrols.com
3392 Wonderland Rd. S., Bldg. 9, Unit 1, London, Ontario N6L 1A8



ASHRAE Recognizes Outstanding HVAC&R Industry Achievements

DALLAS - The American Society of Heating, Refrigerating and Air-Conditioning Engineers (ASHRAE) recognized 42 people for their contributions to ASHRAE and the HVAC&R industry at the Society's 2007 Winter Meeting held in Dallas Jan. 27-31.

The ASHRAE Hall of Fame honors deceased members of the Society who have made milestone contributions to the growth of HVAC&R technology. The Society inducts Mary Engle Pennington, Ph.D., whose pioneering work improved the safety of perishable foods, into the ASHRAE Hall of Fame. Pennington was the first female member of and a Fellow of The American Society of Refrigerating Engineers (ASRE), an ASHRAE predecessor Society. She was known for her outstanding contributions to the refrigerated preservation of foods in storage.

The ASHRAE/ALCO Medal for Distinguished Public Service recognizes distinguished public service by an ASHRAE member. The recipient is David McKenney, P.E., Life Member, chairman and executive officer, McKenney's Inc.: Mechanical Contractors and Engineers, Atlanta.

Fellow ASHRAE is a membership grade that recognizes distinction in the arts and sciences of environmental technology. The honor is earned through achievement as a researcher, designer, educator or engineering executive. The Society elevated 19 members to the grade of Fellow ASHRAE.

The ASHRAE Technology Awards recognize outstanding achievements by members who have successfully applied innovative building designs, which incorporate ASHRAE standards for effective energy management and indoor air quality. Three projects received first-place ASHRAE Technology Awards:

- Matt Younger, P.E., principal of Stantec Consulting, Seattle, Wash., received first place in the new health care facilities category for his design for the Washington Department of Veterans Affairs, Retsil, Wash.
- Receiving first place in the new industrial facilities or processes category are Pierre Roussel, P.E., vice president of the mechanical division, and Jacques Lagace, P.E., vice president of innovation and major projects, at Bouthillette Parizeau & Associates for their design of the thermal plant at the Pierre-Elliott Trudeau Airport in Montreal, Quebec, Canada.
- Daniel Pare, project manager for IBM in Bromont, Quebec, Canada, received first place in the existing industrial facilities or processes category for his design for an IBM semiconductor packaging facility in his hometown.

Projects receiving ASHRAE Technology Awards honorable mentions are:

- Ronald Gagnon, president, Concept-R Inc., Sorel-Tracy, Quebec, Canada, new commercial buildings category, Comptoir Richelieu Botanix, Sorel-Tracy, Quebec, Canada.
- George Karidis, P.E., vice president and director of mechanical engineering, SmithGroup Inc., Detroit, new commercial buildings category, Visteon Village's corporate headquarters in Van Buren Township, Michigan.
- Ronald Henning, P.E., principal, SmithGroup Inc., Detroit, new institutional buildings category, University of Michigan's Life Sciences Institute, Ann Arbor, Michigan.
- Norman J. Brown, P.E., principal, CDi Engineers, Lynwood, Wash., public assembly category, Seattle Center Marion Oliver McCaw Hall Renovation, Seattle, Wash.

The ASHRAE Student Design Project Competition challenged teams of undergraduate students to focus on the mixed-use renovation of the Dallas Power & Light building in a historic area of Dallas. First place winners in the HVAC system selection and HVAC system design categories are awarded to the same team from The Pennsylvania State University: Justin Bern, Kevin Kaufman, David Melfi, Jon Gridley, Jessica Lucas and Yulien Wong. Their faculty advisor is William P. Bahnfleth, Ph.D, P.E. First place in the architectural design category was awarded to Alissa Ogen and Sonia Carias of Savannah College of Art and Design. Their faculty advisor is Emad M. Afifi, Ph.D.

The E.K. Campbell Award honors outstanding achievements by engineering educators. The recipient is Ronald H. Howell, Ph.D., P.E., Fellow ASHRAE, Life Member, who serves as an adjunct lecturer at Boise State University in Boise, Idaho.

The John F. James International Award is given to an ASHRAE member who has done the most to enhance the Society's international presence. The recipients are Constantinos Balaras, Ph.D., P.E., is research director, Institute for Environmental Research and Sustainable Development, National Observatory of Athens, Greece, and Ross Montgomery, P.E., president, QST Honeywell Controls, Palmetto, Fla.

ASHRAE, founded in 1894, is an international organization of 55,000 persons. Its sole objective is to advance through research, standards writing, publishing and continuing education the arts and sciences of heating, ventilation, air conditioning and refrigeration to serve the evolving needs of the public.

Registration Open for ASHRAE IED Satellite Broadcast/Webcast

Registration is open for the free April 18 satellite broadcast and webcast, Indoor Environmental Design: Practical Solutions to Everyday Problems. The program will take place from 1–4 p.m. EDT. A panel of speakers will present specific solutions to the challenges of achieving indoor environmental quality within budget constraints.

To read more about the broadcast/webcast and to register, see: www.ashrae.org/iedbroadcast



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

LONDON CANADA CHAPTER #116

<http://LondonCanada.AshraeChapters.org>

Special Presentation and Meeting

The ASHRAE London Canada Chapter has the privilege of having Mr Lizardos visit from New York to present

Combat Mold Without Reheat “The Control of Temperature
and Humidity with Conventional HVAC Systems”



Evans J. Lizardos, P.E.
ASHRAE Fellow and Distinguished Lecturer
Lizardos Engineering Associates, P.C.
Mineola, NY

Monday March 19/2007
LAMPLIGHTER INN
591 Wellington Rd., London

London ASHRAE Chapter Members = \$25.00
Students = \$10.00 Guests and Others = \$35.00

CASH BAR - ALL YOU CAN EAT BUFFET
5:15-Social 6:00-Dinner 7:15-Program

ASHRAE Learning Institute Spring 2007 Online Seminar Series

REGISTER EARLY AND SAVE!

Before March 9: \$135 ASHRAE Member / \$203 Non-member

After March 9: \$150 ASHRAE Member / \$225 Non-member



2 WAYS TO REGISTER

Internet: www.ashrae.org/onlinecourse

Phone: Call toll-free at 1-800-527-4723 (US and Canada) or 404-636-8400 (worldwide)

Note: You may register up to 24 hours prior to an online seminar. Courses are in US Eastern Standard Time.

Earn 3 PDH / .3 CEU or 3 AIA LU credits for each seminar

Complying with Requirements of ASHRAE Standard 62.1-2004*

Wednesday, Mar 21 — 1:00 p.m. to 4:00 p.m.

Wednesday, Apr 11 — 1:00 p.m. to 4:00 p.m.

Introduction to Green Buildings and Sustainable Construction

Wednesday, Mar 28 — 1:00 p.m. to 4:00 p.m.

Understanding & Designing Dedicated Outdoor Air Systems

Wednesday, Apr 18 — 1:00 p.m. to 4:00 p.m.

Complying with ANSI/ASHRAE/IESNA Standard 90.1-2004 HVAC/Mechanical*

Wednesday, May 2 — 1:00 p.m. to 4:00 p.m.

Wednesday, May 9 — 1:00 p.m. to 4:00 p.m.

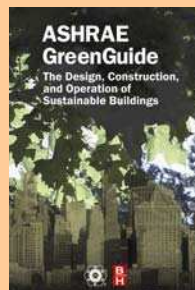
* Same course offered on two convenient dates

Hot Products from ASHRAE

A leader in HVAC&R technology, ASHRAE publications cover topics that impact every facet of the environment both indoors and out.

Latest Publications from ASHRAE!

- ☐ Advanced Energy Design Guide for Small Retail Buildings
- ☐ ASHRAE GreenGuide
- ☐ Liquid Cooling Guidelines for Datacom Equipment Centers
- ☐ 2006 ASHRAE Handbook — Refrigeration
- ☐ ASHRAE HandbookCD+ 2003-2006
- ☐ Standards and Guidelines on CD (2007)



Other Products from ASHRAE!

- ☐ Design Considerations for Datacom Equipment Centers
- ☐ Advanced Energy Design Guide for Small Office Buildings
- ☐ Understanding Psychrometrics, 2nd Edition
- ☐ ASHRAE Handbook — Fundamentals
- ☐ HVAC Design Manual for Hospitals and Clinics

Visit www.ashrae.org to learn more about these and other outstanding ASHRAE publications!

Order Today From ASHRAE Customer Service

**1-800-527-4723 (US/Canada) or (404) 636-8400 (Worldwide)
or visit: www.ashrae.org/bookstore**

Naturally...
Nobody Does It Better



Long Beach

How does ASHRAE do it better?
Join us in Long Beach and find out!

2007 ASHRAE Annual Meeting
June 23-27

www.ashrae.org/longbeach



**Renew
Your
Membership
Online!**

**Visit
ashrae.org
and
Manage
Your
Membership**





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

LONDON CANADA CHAPTER #116

<http://LondonCanada.AshraeChapters.org>

MECHANICAL TRADE SHOW
Wed. April 25/2007

LAMPLIGHTER INN
591 Wellington Rd., London

Exhibit Area Open
3:00pm to 9:00pm

EARLY EXHIBITORS LIST INCLUDES

CARRIER
ENGINEERED AIR
RAYTEC
TRANE
BAYMAR
SOMERS EP

AQUATECH
EH PRICE
JOHNSON CONTROLS
BELIMO
SECURITY CHIMNEY

TICKETS

\$10.00 in advanced \$15.00 at the door

Door Prizes

CASH BAR
FINGER FOOD AVAILABLE FROM 4:00 TO 7:00PM

FOR ADDITIONAL INFORMATION AND TICKETS - PLEASE CONTACT

Scott Turner (ph:519-681-1977 scott@somersep.com)
Scott Edmunds (ph:519-667-4108 sedmunds@uniongas.com)
Eric Shaw (ph:519-964-0022 eshaw@baymarsupply.com)
Jason Vanderberghe (ph:519-670-8066 jasonv@aquatech.ws)

Karl Gilroy (ph:519-451-5100 kgilroy@price-hvac.com)
Joe Claessens (ph:519-672-8511 jclaessens@smylicrow.ca)
Jack Maynard (ph:519-681-1221ext223 jack.c.maynard@jci.com)
Tom Pollard (ph:519-685-2570 tpollard@execulink.com)

see web site for addition information
LondonCanada.AshraeChapters.org