



Airways

Hamilton Chapter No. 037

<http://www.vaxxine.com/ashrae/>

American Society of Heating, Refrigeration and Air Conditioning Engineers

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Our 46th Year

January 2005

President

William McCartney
Phone (905)822-2430
w.mccartney@
isothermengineering.com

Secretary

George Robb, P. Eng.
Phone (519) 885-2858
gjobb@golden.net

Treasurer

Wilfred Laman, P. Eng.
Phone (905) 673-7735
wlaman@quiet-aire.com

Research Chair

Ralph Kosir, P. Eng.
Phone (905) 309-8811
ralph@efisystemsgroup.ca

Membership Chair

David Hills
Phone (905) 687-9778
dhills@tmpniagara.com

Student Activities Chair & Historian

George Menzies, P. Eng.
Phone (905) 388-1313
gmenzies@allstream.net

C.T.T.C. Chair & Programs Chair

Nathan Martin
Phone (905) 681-3901
nathanm@odellassoc.com

C.T.T.C. Vice Chair & T.E.G.A.

Chris McClelland
Phone (905) 572-1111

hamilton@engineeredair.com

Social Chair

David Rasmussen
Phone (905)575-5542
drasmussen
@delhi-industries.com

Webmaster

Brian Beninger, P. Eng.
Phone (905) 563-3221
brian@beninger.ca

Newsletter Editor

Allan Antcliffe, P. Eng.
Phone (519) 756-5760
allan@madok.com

Tuesday, January 11, 2005

Variable Speed Kitchen Exhaust

This month, Mr. Tom Mills of Spring Air Systems will be discussing variable speed kitchen exhaust systems. With recent changes to NFPA96, this has become a viable solution to reducing operational costs of a commercial kitchen.

Spring Air Systems, established in 1988, specializes in commercial kitchen ventilation systems. With a vast product offering, Spring Air is able to meet all the ventilation needs of the modern commercial kitchen environment. With Tom's focus on research and development and his HVAC background, Spring-Air promotes economical and energy efficient ventilation systems.

Feature Speaker:

Tom Mills Spring Air Systems

Tom Mills will bring over 16 years of experience in the design and application of kitchen exhaust systems to ASHRAE's January meeting. Tom graduated from the University of Waterloo in 1979 and started his career in HVAC at Temprite. After several years at Temprite, Tom left to join Gaylord Industries. Combining his knowledge of HVAC and kitchen exhaust equipment, Tom endeavored to establish Spring-Air Systems.

Royal Hamilton Yacht Club North End of McNab, On Hamilton Harbour

5:00 pm – Social Hour & Technical Session

6:00 pm – Dinner & Business Meeting

7:00 pm – Feature Speaker

Technical Session/Dinner/Feature Speaker

Chapter Members - \$30.00 • Guests - \$40.00 • Students - \$15.00 • Meal Plan - \$135.00

Technical Session and/or Feature Speaker (without Dinner)

\$15.00



Technical Session

Fire Extinguishing Requirements for Commercial Kitchen Appliances and Exhaust Hoods

The technical session will be presented via DVD made available through ASHRAE. The topic was presented by Phil Morden, P.E. at the 2004 Annual Meeting. The seminar recording covers the following topics:

1. Regulatory codes & standards
2. Fire suppression types and classifications
3. Fire suppression installation requirements

Following the DVD presentation, Tom Mills will address any questions from the audience.

Table Top Demonstrations

This month, we are fortunate to have two separate companies with table top demonstrations. **Spring Air Systems** and **Quiet-Aire** will each display products related to this month's presentations.



O'DELL ASSOCIATES INC.

Jack M. Fitzmaurice, P.Eng.

Tel: 905-681-3901
Fax: 905-681-0688
Cell: 905-546-6600
Email: info@odellassoc.com

1038 Cooke Blvd., Unit 3
Burlington, Ontario
L7T 4A8

President's Report & December Recap

First, I would like to thank Nathan for filling in for me at the November meeting and providing the recap for the December Airways.

The December Christmas Family Event this year was a visit to the Niagara Falls Aviary, which had been arranged by Brian Beninger. This guided tour was both enlightening and fun.

Following a brief overview of the Aviary we were escorted in groups through the various specialty rooms

of small birds then a dark hall containing snakes, bats, cockroaches, etc. We were then taken to the main hall where the guides pointed out the numerous species which were perched or flying around freely. The staff were extremely conversant, which greatly enhanced our appreciation for our feathered friends of the planet.

This tour was followed by a buffet dinner in a private dining room during which the past-presidents in attendance were acknowledged.

Now for 2005, the program is filled with interesting featured speakers as well as informative technical sessions capping off the year with the annual golf tournament. If any chapter members have suggestions for future program please pass onto any of the chapter executive.

Just a heads up, Hamilton is hosting the CRC in 2006 and we are already planning for a unique experience for the representatives from across Region II. We are also endeavouring to make this CRC accessible to all the Hamilton Chapter members to allow them to further understand how the society works beyond the local chapter.

The 2005 Winter meeting is in Orlando Feb 5 – 9 and many members are taking the opportunity to work in a vacation around the meeting.

Looking forward to seeing you at the January meeting.

Bill McCartney, President 04/05



EFI SYSTEMS GROUP

14 Ontario Street, 2nd Floor
Grimsby, Ontario, L3M 3C9
Canada

Ralph J. Kosir, P. Eng.
Partner

905 309-8811
Fax: 905 309-8813
Cell: 905 687-6411

www.efisystemsgroup.com
e-mail: ralph@efisystemsgroup.ca

Upcoming Events of Interest

**ASHRAE Winter Meeting
(including AHR Expo)**
Feb. 5 – Feb. 9, 2005
Orlando, FL
www.ashrae.org

Computer Corner **Printing From Old DOS Programs**

Do you remember DOS? ... command line, no graphic windows, cryptic commands, limited memory and storage etc.

If you have any old DOS programs which you still use, you may have had problems printing to some of the newer printers which do not understand DOS printing instructions. If so, try DOSprn 1.77 which you can download from www.dosprn.com. I have not tried it but Al Antcliffe uses it regularly in his business.

Thanks to Al for this tip.

Brian Beninger, P.Eng., Webmaster 04/05

J. Allan Antcliffe P. Eng President	
50 Morrell Street, Brantford, ON N3T 4J5 (519) 756-5760 (519) 756-5768 FAX allan@madok.com www.madok.com	
 Madok MANUFACTURING LIMITED Heating/Cooling Coils & Corrosion Protection	

Message from the Editor

On behalf of the Executive of the Hamilton ASHRAE Chapter, I would like to wish everyone a **Happy New Year** and a **Healthy and Prosperous 2005!**

Keep your submissions coming in.

Allan Antcliffe, P. Eng., Airways Editor 04/05

"Thanks!" from Glenn Schuyler, P. Eng.

Dear Sirs:

At the ASHRAE winter meeting in Orlando, I will be accepting my promotion to the grade of Fellow. I look forward to it with a great deal of gratitude. I would like to thank the members of the Hamilton ASHRAE Chapter, and George Menzies in particular, for supporting my nomination. Becoming a Fellow is a great honour. However, having the members of the Chapter think of putting my name forward and supporting it is a greater honour.

Thank you all very much.

Sincerely,

Glenn Schuyler, P. Eng.
Vice President
RWDI
650 Woodlawn Road West
Guelph, ON N1K 1B8
Phone: 519-823-1311 ext 2214
Fax: 519-823-1316
E-mail: gds@rwdi.com

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allan@madok.com

Bio – Carl Ljungberg, P.Eng. Chapter Past President

Carl was born in Sweden and moved to Montreal in 1952 when his father accepted a position as Secretary General of the ICAO. Carl went to high school and university in Montreal, graduating from McGill in 1962 with a B.Eng. He obtained his Private Pilot License for single engine planes after graduation. Shortly thereafter he got married to Kit and they moved to Kitchener in '63 where he started his career with Canadian Blower and Forge – CB&F.

This was the era when companies invested in young engineers by sending them off somewhere to advance their knowledge in specific fields. CB&F sent Carl off for 9 months to the parent company in Buffalo - the Buffalo Forge plant where Barrie Graham headed up the research department and training – Barrie wrote the Handbook on Fans which was incorporated into ASHRAE handbooks in the years following. Carl had the best teacher in the business.

Carl returned to Kitchener for a couple of years working in various plant and sales depts to get more hands-on experience. By '66 Carl accepted a position with CB&F in Hamilton working with a veteran ASHRAE Member and Chapter Member Werner Goman "Mr. Fans". CB&F was a satellite of the Toronto Office whose legal name was Allan M. Clark Ltd. The territory included all of the Niagara Peninsula plus Cambridge where Babcock Wilcox and St. Catherines where Foster Wheeler were located – both major users of fans, coils and air handlers. Carl developed mostly industrial and institutional accounts.

At this time Carl joined the Chapter as a new member. Meetings were held at the Chamber of Commerce at 155 James South. By 1970, Carl was helping with the social activities and was Chair of the fall golf tournament held at the Galt Golf and Country Club. It cost \$15 for a round and dinner. That fall he arranged for a tour of the U of Guelph. Carl was on the Chapter's Board of Governors at that time and for many years following. In '71 he was Director of Communications and used the CB&F office to contact every member every month to get an accurate head count and encourage involvement at our meetings. I remember those monthly calls... In '72, Carl arranged for a large delegation from the chapter to go by bus to the London Canada Chapter Charter night, a most memorial night. In '74 Carl was Chapter Membership Promotion Chair. By '76 he moved up to Chapter Secretary then on to Chapter VP becoming president in '78. He continued on the Board of Governors for a few more years and assisted in the annual Research Promotion campaigns. In '86 he stepped up and helped the chapter host the CRC in

Niagara Falls at the Park Inn. In '87 he coordinated the chapter's PAOE program to ensure we focused on the right activities. Today Carl is a Life Member of ASHRAE having paid dues for more than 30 years and is over 65 years of age.

In the latter years as a fan rep/designer, CB&F was purchased by Airpco in Pittsburgh then in 1993 by Howden which had purchased the assets of Sturavent/Westinghouse and Sirocco, all these consolidations resulted in a regular change of focus in operations and sales. When I asked Carl about a highlight, he mentioned a turn-key multi-million dollar job at a Dofasco new Cold Mill which was a world class installation. Carl also noted a major contract with Foster Wheeler in South Carolina involving some 36 coal fired boilers.

Throughout his career, Carl has been a member of CSME eventually becoming Chair of the Hamilton Chapter. He was also a Rotarian and is Past president of the Club. In retirement, he has participated in "Seniors for Seniors" and many other community events. To keep active he is currently a Crossing Guard. He still meets ASHRAE members Gary Elliott and Jim Buchanan on the ski slopes in Ellicottville NY.

The Chapter is looking forward to a return of Carl to our meetings.

CTTC Information Update

Register Now for *Creating Sustainable Federal Buildings* Web Cast — January 11–12, 2005.

Department of Energy's Federal Energy Management Program presents:

CREATING SUSTAINABLE FEDERAL BUILDINGS

from 1:00 – 4:30 pm (EST) on the afternoons of January 11–12, 2005

Via Web Cast

You are invited to attend this free training workshop that requires no travel or registration fees.

"Creating Sustainable Federal Buildings" is designed to provide Federal energy and facility officials with an introduction to Distributed Energy (DE). The workshop is offered as a live web cast from 1:00 – 4:30 pm on

Airways – Hamilton ASHRAE Chapter – January 2005

Tuesday, January 11 and Wednesday, January 12. The three-hour web cast will be held from 1:00 – 4:30 pm (EST) with a one half hour break on each day.

Topics covered:

- Introduction to Sustainability in the Federal Sector Case Studies
- Introduction to the LEED Green Building Rating System
- Environmental Topic Segments: Site, Water and Energy
- Key issues of Sustainability in the Federal Sector
- Environmental Topic Segments: Energy, Building Resources and Indoor Quality
- Pulling it All Together: Integrated Design; Economics; Team Selection/RFP's; Security Issues; Lessons Learned

For more information and to register online, visit:
http://www.eere.energy.gov/femp/newsevents/fullevent.cfm/events_id=1147

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2004 – 2005 Meeting Schedule

This year's meeting schedule is summarized below. Except for some special events, all meetings will be held at the **Royal Hamilton Yacht Club, at the north end of McNab St. on the Hamilton Harbour** (If you need a map, visit our web site). During the 5:00 pm to 6:00 pm Social Hour, a half hour "technical session" is presented on the basics of a particular subject relating to our industry. If the session sounds interesting to you, feel free to attend. These sessions are presented by our members and are open to any one wishing to share his or her expertise. New products and/or services are presented informally via a "table top demonstration". After dinner, the main topic of the evening is presented by the "feature speaker". If you are interested in presenting a technical session, booking table top space to promote your product and/or service or, if you have a suggestion for a feature subject and/or speaker, please contact Nathan Martin (Programs Chair). There is a charge of \$75.00 for "table top demonstration" space and this includes a business card ad for two months.

2004 – 2005 ASHRAE Hamilton Chapter Program Activity				
Date	Theme	Technical Session 5:00 pm – 6:00 pm	Table Top Demonstration	Feature Speaker
January 11, 2005	Ventilation	<u>Seminar Recording ASHRAE 2004 Annual Meeting</u> Fire Extinguishing Requirements for Commercial Kitchens	<u>O'Dell Associates (Spring Air Systems)</u> & <u>Quiet-Aire</u>	Tom Mills <u>Spring Air Systems</u> Variable Speed Kitchen Exhaust
February 1, 2005 (moved up 1 week due to ASHRAE Orlando meeting)	Research	<u>Southwestern Insurance</u> Liability Insurance		Howard Wise Construction Lien Act
March 8, 2005	Design	BACNet		Hospital Isolation Rooms
April 12, 2005	Refrigeration	Bill McCartney <u>Isotherm Engineering</u> Ontario Regulation 189/94		Ron Vallort History of Refrigeration
May 4, 2005 (moved up 1 week due to Toyota scheduling problem)	Students	Tour of Toyota Motor Manufacturing Canada (Cambridge facility) Tour at 12:30 p.m. followed by lunch at Moose Winooski's (Sportsworld Dr., Kitchener)		
June 8, 2005	Social	Annual Golf Tournament <u>New Location - Legends on Niagara (Battlefield) - Niagara Falls</u>		

Airways Newsletter Editor:

Allan Antcliffe, P. Eng.
Madok Manufacturing Limited
50 Morrell Street, Brantford, ON N3T 4J5
Phone: (519) 756-5760 Fax: (519) 756-5768
E-mail: allan@madok.com

Hamilton Chapter Mailing Address:

Hamilton ASHRAE Chapter
59 Abbey Close
Ancaster, ON L9G 4K8

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<http://www.vaxxine.com/ashrae/>