



Airways

Hamilton Chapter No. 037

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

American Society of Heating, Refrigeration and Air Conditioning Engineers

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Tuesday February 11, 2003

Interoperability of Control Systems

Terry Hoffmann, Global Products Marketing Manager, Johnson Controls Inc.

Terry graduated from Marquette University with a BS Degree in Electrical Engineering and from the Milwaukee School of Engineering with an MS Degree in Engineering Management. He is a Senior Member of AEE and serves as the Johnson Controls representative to the LonMark Interoperability Association Board of Directors. He is an Adjunct Professor at the Milwaukee School of Engineering, Graduate Studies. Terry has written numerous articles for trade and technical publications.

Recent contributions include an Article in the September issue of Today's Facility Manager entitled "Interoperability: Key Issues and Guidelines for FMs to Follow" and another, "Optimizing the Benefits of Building Systems Integration" in a recent issue of The RSES Journal (Refrigeration Systems Engineering & Service).

Chapter History

Hamilton Chapter Member: George Menzies – Historical Bio

The following Bio was submitted by Gail Menzies with assistance from the ASHRAE bio my husband has on file with ASHRAE Headquarters



**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 Technical Program / Speaker Presentation

Chapter Members \$ 25.00 • Guests \$ 30.00 • Students \$ 20.00 • Meal Plan \$ 110.00



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George Menzies is a real local - born and raised in Hamilton, schooled at Adelaide Hoodless Public School, Delta Secondary School and McMaster University. After graduating from McMaster with a mechanical engineering degree, he joined Stelco in 1962. George was on Stelco's graduate training program for eighteen months. This was followed by a job maintaining the plant's HVAC equipment. The role was expanded in 1965 to designing and installing HVAC throughout the plant as well as noise control. As an engineer, he was encouraged to participate in outside professional organizations. Dealing with a number of contractors, George met Jim Buchanan, co-owner of Koldflow Refrigeration and a member of ASHRAE Hamilton Chapter. He invited George to a Chapter meeting in 1965 and he was hooked. He could not believe that you could sit down and talk with all the key players in the HVAC business, discuss problems, and have monthly training from the technical speakers at the meetings. George has been a real promoter of the technical arm of ASHRAE through the years - now some 37. How time flies!!!

The Hamilton Chapter was chartered in 1959. George joined 6 years later and has continued to be an active member for 37 years. In 1967, George joined the Chapter Executive, became Vice President in 1969 and President in 1970. For much of the past 25 years, George has been Chapter Historian accumulating many boxes of pictures and files.

George continued in the design and installation work at Stelco until 1981 when a major strike resulted in many of his environmental duties being transferred to corporate operations. George became an Industrial Hygienist involved in assignments in several plants and mines across Canada. After training at the University of Toronto and at the University of Pittsburgh, George became licensed as a Registered Occupational Hygienist in 1985.

In the 1970s, George's activities in ASHRAE expanded to regional assignments. In 1972, he was elected to be Regional V-C Research Promotion leading to Vice Chair of the Society Committee. The Region elected George in 1976 to be their Society Director and Regional Chair which includes sitting on the Society Board of Directors. This also involved visiting ASHRAE chapters across Canada. George was the youngest ASHRAE member to be on the Society Board at age 37 and represented users of ASHRAE info rather than the academic side which creates the info. He was faced with a proposal to reorganize ASHRAE chapters into new smaller Regions. George fought to keep a single Canadian region. The ASHRAE Board voted otherwise and shrunk Region 2 to only eastern Canada with the western chapters joining a number of western American chapters. This was George's biggest disappointment while on the BOD. On the other hand, the BOD voted to leave expensive rental space in New York and now own a headquarters building in Atlanta - now a valuable property.

After 3 years as a Society Board member, George served on the Society Charter & Bylaws Committee for 3 years, on the Society Nominating Committee for 6 years, on the Society Technology Council for 5 years, as President of ASHRAE Research Canada for 5 years, and recently on the Society Membership Promotion Committee for 6 years where he was elected Chair in 2000. This was George's most satisfying assignment as he was able to implement many improvements in the membership procedures. George is currently on the Society Honours and Awards Committee for a 3 year period to 2006.

After George retired from Stelco in August 1995, he set up a health and safety consulting business to assist companies who did not have a full time safety manager. He is currently a Senior Engineer at Hatch doing Pre Start H&S reviews as well as WHMIS training. He is also Director of H&S for FibreCast and has assignments at Madok Manufacturing and at Burlington Technology Inc. in several of their plants throughout Ontario. He does annual WHMIS training for a number of clients as well.

George plans to continue supporting the Hamilton Chapter as the Historian and to participate at the Society Meetings where he attends many technical sessions and is a participant on TC 5.4 Industrial Process Air Cleaning and TC 5.8 Industrial Ventilation. George constantly reminds his fellow members that ASHRAE has more than 100 specialized committees looking after research projects, handbook data and technical papers at Society Meetings – one of the easiest ways to keep ahead in the HVAC field. The ASHRAE Website details the scope of all these committees.

George and Gail have celebrated their 40th wedding anniversary. They have two grown children and two grandsons all of whom are proud of his accomplishments.

Gail Menzies, Hamilton Chapter Assistant Historian 02/03

Tonight's Tech Session

For over 35 years M.K. Plastics Corp., based in Montreal, Quebec has been designing and fabricating thermoplastic ventilation components and systems for the institutional and industrial applications.

With the increase requirements established by MOE in Canada and the EPA in US, laboratory and other type of exhaust systems can become expensive. Several years ago through many years of research, a patented system was introduced addressing the

issues of capital cost, energy and providing a more environmentally safer system.

The Hamilton area presently has many of these systems in operation realizing the importance of these types of systems.

Elliot Picken of MK Plastics will speak on today's laboratory fume systems and provide some facts on design considerations and issues that need to be considered for future laboratory systems.

He will also show how this type of unit can be used other than laboratory exhaust. A small laboratory fume exhaust unit will be on display.

Ralph Kosir, Hamilton Chapter President 02/03

ASHRAE Research Canada (ARC)

Update by George Menzies:

While at the ASHRAE Meeting in Chicago, I attended the ARC Director's Meeting on Sunday January 26th, 2003 – at 7:00 AM no less! The following is a status report on the recent and current research projects in Canada.

In Region 2 (Canada east):

1. Thermal Database for Common Materials – Nat Research Council: this \$76,900 project was completed in late 2002.
2. Sound Attenuation Properties in Plenums – Vibro-Acoustics: this \$100,000 project is virtually complete.
3. VOC Sorption of Building Materials and the Impact on IAC – Nat Research Council: this \$98,115 project has just been completed in the past month.
4. Cable Fires In Plenums - Nat Research Council: this \$147,500 project at NRC will be finished this year.
5. Balcony Spill Plumes – NRC: this \$160,000 project will be complete later this year.

In Region 11 (Canada West):

6. Performance of VAV Systems Before and After Commissioning – Stantech: this \$124,000 is active at the moment.
7. New Ways to Measure Duct Leakage – Ecotope: this \$95,000 project has just been completed.

8. Field Testing of Building Envelope – U of Alberta: this \$ 106, 000 currently active, due to be completed early in 2003

9. Testing Gas Furnaces in High Altitudes – U of Alberta: this \$99,000 project is scheduled to be finished in 2003.

This adds up to over one million dollars spent in Canada on ASHRAE research in the past couple of years. The contributions to ARC are far less than needed to cover these projects so a lot of US money moves north. We win many of the research projects because of our exchange rate.

Of special interest of all members is that the data gained from these projects is being rolled into our Handbooks annually on the Handbook CDs rather than held 3 or 4 years to be put into the printed version of the Handbook. These are the CDs which members can request in lieu of a printed version (on your annual renewal notice). Consideration is being given to eliminating the printed versions of the Handbooks as the information can not be updated fast enough.

I attended several TCs – Technical Committees and all were involved in major improvements in the content of their sections in the Handbooks. They offered to roll the new chapters to anyone present for comments.

Message From The Editor

In the fall of this year we will once again be issuing our Chapter Roster - a contact list of all ASHRAE Hamilton Chapter members.

As many of you will remember, before the days of email, you used to receive the monthly Airways publication via fax. The cover page of each issue

contained your most current information from our database. You were able to keep our records current by faxing corrections to any errors or omissions back to us on a monthly basis. Since we have gone exclusively to email, we have let our database slide. All we really need to distribute Airways now is an email address which is fine for our once a month mailing but doesn't provide enough information for the roster.

In an attempt to get our database shaped up for Roster publication we will be sending out an additional email to each of you which will show your own personal information as it exists in our records. If you see any errors, please respond with an email containing the corrections. This will start next month and will continue this until the new Roster comes out in the fall of this year. I hope to send it out around the same time as the Airways is published (I first have to figure out how to merge my Access database with my Outlook contact manager). We will continue this until the new Roster comes out in the fall of this year.

I apologize in advance for sending an additional message every month, even if you have reported corrections in a previous month but this is a consequence of the "efficiency" of bulk, merged emailings. Please bear with us for a few months.

I also apologize for duplicate emails. It seems my new high speed cable modem service has a glitch in their mail server which has been responsible for many of you receiving duplicate Airways. It only seems to happen when I send to a large group of recipients and to date this problem has not been fixed. Once again, please bear with us.

*Brian Beninger, Hamilton Chapter Airways Editor,
Webmaster 02/03*

ASHRAE GOLF TOURNAMENT

Something **NEW** for the June 11th Golf Tournament

This year we are having hole sponsorships.

**For \$700 you will receive 4 Green Fees, 4 Suppers, 4 Lunches
And 1 Hole Sponsorship c/w a sign located at the T Box.
Niagara Whirlpool is again the site of this spectacular Tournament.**

This offer is only in effect until May 13th after which time the price jumps to **\$800**

Those interested please call or fax
**David Rasmussen from Delhi Industries @
(905) 575-5542**

Please indicate the hole number you wish to sponsor. Terms are net 30 days from date of Order payable to ASHRAE Hamilton Chapter.

2002 - 2003 Meeting Schedule

This year's meeting schedule is summarised below. Except for some special events, all meetings will be held at the **Royal Hamilton Yacht Club, North end of McNab St. on Hamilton Harbour - If you need a map, check out our web site at <http://www.vaxxine.com/ashrae/>**. During the 5:00 PM to 6:00 PM Social Hour, a half hour "technical session" on the basics of a particular subject relating to our industry is presented. If a session sounds interesting to you, feel free to attend. Presentations are made by our members and this forum is open to all who wish 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 a "feature speaker". If you are interested in presenting a technical session, book the table top space to promote your product or service, or if you have a suggestion for a feature subject and/or speaker, please contact please contact Chris McClelland, our Programs Chair. There is a charge of \$ 75.00 for "Table Top" demonstration space, and this includes a business card ad for two months.

2002 – 2003 ASHRAE HAMILTON CHAPTER PROGRAM ACTIVITY				
Month/Date	Theme	Tech Session 5:00 – 6:00 p.m.	Table Top Presentation	Guest Speaker/Main Topic
February 11, 2003	TEGA	Laboratory Fume Exhaust Systems (<i>MK Plastics</i>)	MK Plastics	Interoperability of Control Systems (<i>Terry Hoffman, Johnson Controls</i>)
March 11, 2003	History	1) Computer Room A/C (<i>Data Air</i>) 2) Hamilton Chapter History (<i>George Menzies</i>)	Data Air	Casino Construction (<i>Don Cruikshank, TMP</i>)
April 8, 2003	Research	Mixing Valves vs Pump Injection (<i>Tom Wood, Viessmann</i>)	Viessmann	Condensing Boilers (<i>Tom Wood, Viessmann</i>)
May 13, 2003	Student	Combo System Basics	Trimed	Odour & Microbial Control (<i>Henry Berman, Trimed</i>)
June 11, 2003	Membership	Annual Golf Tournament – Whirlpool Golf Course Benefits of ASHRAE and Membership		

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