



# Airways

**Hamilton Chapter No. 037**

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

*American Society of Heating, Refrigeration and Air Conditioning Engineers*

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*Our 44th Year*

May 2003

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**Tuesday May 13, 2003**

*Tonight's Topic:  
Odour And Microbial Control*

I'm sure we have all felt the effects of SARS in our community at this point. May's main speaker comes to us in a timely manner with a technology that is as current as the challenges of SARS we are facing today.

Trimed utilizes fluorescent single frequency UV-C lamps and dual frequency UV-C/Oxidization lamps to control the challenges of mould, bacteria, viruses, etc. in our air handling systems. The oxidization has an additional benefit of controlling unwanted odours within the space or the air exhausted from the space and keeping neighbors happy.

The use UV-C/Oxidization technology has been dated as far back as the late 1920's in ASHRAE manuals. With today's technology, it can be incorporated into new or existing projects with these types of challenges as you will see at the meeting.

*Tonight's Speaker - Henry Berman*

Henry Berman is National Sales Manager for TriMed Division of Airtex. Established in 1992, Tri Med manufactures air purification systems placed in ventilation ducts using ultraviolet irradiation and oxidation. The Company's products are installed in residential and commercial heating and air conditioning systems. TriMed, is a Division of Airtex Manufacturing and is a sister division to Engineered Air of Desoto, Kansas. As National Sales Manager of TriMed, Mr. Berman is responsible for product development, product integration and product sales. In this multifaceted role, he also oversees, marketing, customer support, and IAQ research. He has extensive experience in the air quality field, (ndoor and outdoor), in both chemical odors and microbial challenges. Mr. Berman is a Board Member, Clean Air Device Manufacturers (Gas Phase Testing); is on the



**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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UL IAQ Committee - Gas Phase Testing Protocol Work Group; is an International Ozone Association Member; an IAQ Panelist Indoor Environment debate on Ozone; and co-inventor of the TriMed Oxidizer 2000 Odor Removal System.

Mr. Berman graduated from the Milwaukee School of Engineers with a Bachelor's degree in Industrial Management in 1979.

## Chapter History

### Hamilton Chapter Member, Life Member: Eric Rammo P.Eng 1922 - 2003 Historical Bio / Obituary

In December 2002, Eric called me to offer the many ASHRAE handbooks he had acquired over the years. As a Life Member in ASHRAE, I asked if I could do his bio for our Newsletter. He agreed. He gave me some info and suggested I come to visit him at home when he was feeling better. I tried several times but his health was failing and he passed away on Jan 12, 2003. With help from the Board of Education and the PEO, I have prepared the following.

After the Second World War, Eric went to university in Stuttgart Germany and graduated in 1949 with an engineering degree. He immigrated to Canada in 1950 and worked at Hamilton Cottons, one of many cotton mills in Hamilton. But there was little work for engineers as the plants were closing and moving off-shore. To get into a more stable industry, Eric accepted a draftsman's job at Westinghouse in late '51. He left there a year later when he had an opportunity to work for a consulting engineer – Walker and Associates. With employment now in engineering, he acquired his license as a P.Eng in Ontario on July 25th, 1952. About this time he married Helen Haljaste and would be married to her for the next 50 years.

In 1956, he moved into the construction business and was employed with several contractors including Comstock. On February 1st, 1956 he joined ASHRAE and remained a member until his death – being a full Member for 31 years and then a Life Member from 1987 till 2003.

In '58, he accepted employment at L.H. Schwindt mainly because of the knowledge and project work of his friend Jim Mitchell. Many of us remember Jim as he was one of a number of ASHRAE members who helped launch the Hamilton Chapter about this time in 1959. In '64, Eric moved to C.C. Parker Consultants who were doing lots of HVAC design work in Hamilton schools.

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**additional \$15 setup charge**

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On February 12th, 1968, Eric joined the building services department of the Hamilton Board of Education and he stayed there until he retired in August 31st, 1987. Eric was involved in all aspects of mechanical services – boilers, HVAC, lab exhaust and so on. He was directly involved in designing upgrades as well as working with local consultants in future design work for many schools being built. Janet Haig who worked with Eric for years at the Board said he was a true gentleman always attempting to do the best for the board and its supplies. She was shocked to hear of his death. She noted that he even stayed on a few months after his retirement to ensure the 1988 budget was properly prepared by the younger staff now assigned to services.

Eric was a genuine family man with interest in opera, photography, chess and audio equipment. His widow lives in Dundas.

*George Menzies ASHRAE Chapter Historian*

## ASHRAE HAMILTON GOLF TOURNAMENT

I still have a few hole sponsorships left for our upcoming golf tournament on June 11th.

Please contact me if you are interested in sponsoring a hole. For \$700 you get 4 Green Fees, 4 Lunch and 4 Dinners and 1 hole sponsorship. **May 13th is my cut-off.**

This year's giveaway will likely be wind shirts (Nylon material) Make sure the person filling out the attached form indicates the size desired for each member of their group.

**Secondary prizes are most welcome.** Please tell me ahead of time so I can plan accordingly.

**Space is limited to the first 88 registered golfers.** I will be using the split T format again meaning half of you will T-off on #1 while the other half goes off #10.

I encourage you again to participate in our ASHRAE Research hole. ASHRAE Research money collected **stays in Canada.**

Once all the forms are in, I will be in touch with the designated contact person (Listed on the entry form) to inform you of your T-Time for your group. As always, it is up to the contact person to notify the people in your group. You may register a foursome, a twosome or individual.

*David Rasmussen, Social Chairman, Hamilton Chapter*

### *Message From The Editor*

Internet tip: If you are looking for unit conversion factors for both common and obscure units of measure, check out <http://www.onlineconversion.com/>

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

## ASHRAE HAMILTON CHAPTER GOLF TOURNAMENT

**DATE:** WEDNESDAY JUNE 11, 2003

**LOCATION:** WHIRLPOOL..... NIAGARA FALLS, ONTARIO

**COST:** \$150.00 PER PERSON

**INCLUDES:**     \*\*18 HOLES PLAYED ON A SPECTACULAR COURSE  
                  \*\*ONE POWER CART PER TWO GOLFERS  
                  \*\*LUNCH AT THE 10<sup>TH</sup> HOLE.  
                  \*\*BUFFET DINNER

PLEASE COMPLETE THE FOLLOWING AND FAX OR E-MAIL IT BACK A.S.A.P.  
WE ARE LIMITED TO THE FIRST 88 GOLFERS REGISTERED.

PLAYER 1. \_\_\_\_\_ SIZE L XL XXL

PLAYER 2. \_\_\_\_\_ SIZE L XL XXL

PLAYER 3. \_\_\_\_\_ SIZE L XL XXL

PLAYER 4. \_\_\_\_\_ SIZE L XL XXL

PREFERRED TEE OFF TIME (12:10 PM START) \_\_\_\_\_

DESIGNATED CONTACT: \_\_\_\_\_ PHONE: \_\_\_\_\_

FAX: \_\_\_\_\_

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ASHRAE Hamilton Chapter

PHONE and FAX #: (905) 575-5542 - e mail: drasmussen@delhi-industries.com

## Upcoming Events of Interest

### ASHRAE LONDON & AREA GOLF TOURNAMENT

Monday June 2, 2003

Forest City National, 16540 Robin Hill Road, London, Ont.

Cost is only \$135.00 each (includes a light lunch, scramble round on a 4 star course, golf cart, buffet dinner).

For reservations, please contact PALSER ENTERPRISES LIMITED, (phone: 519-471-9382 fax: 519-471-1049 email: [palsarent@primus.com](mailto:palsarent@primus.com)).

A signup sheet can be found at: <http://www.execulink.com/~tpollard/ashrae.html>

## **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.

<b>2002 – 2003 ASHRAE HAMILTON CHAPTER PROGRAM ACTIVITY</b>				
<b>Month/Date</b>	<b>Theme</b>	<b>Tech Session 5:00 – 6:00 p.m.</b>	<b>Table Top Presentation</b>	<b>Guest Speaker/Main Topic</b>
May 13, 2003	Student	Combo System Basics <i>(Mick Gallagher, Rheem Canada)</i>	Trimed	Odour & Microbial Control <i>(Henry Berman, Trimed)</i>
June 11, 2003	Membership	Annual Golf Tournament – Whirlpool Golf Course Benefits of ASHRAE and Membership		
September 9, 2003	TEGA	Armaflex Insulation		Proper Silencer Selection
October 14, 2003	History	Fire Damper Installation <i>(Nailor Group)</i>		Casino Construction <i>(Don Cruikshank, TMP Niagara)</i>
November 11, 2003	Research	Residential Water Purification		The Building Envelope <i>(Tony Woods, Canam)</i>

***Did you say that you wanted to sit in the "GOLDS"?***

Attention all ASHRAE members who would like to bring guests to an ASHRAE meeting. Special "ASHRAE" meeting "GUEST DINNER TICKETS" are available at the special price of \$100.00 for a book of 4 tickets. These tickets allow you to treat a special friend or customer to a meeting. They will work even though you may not be able to attend! These special tickets will insure that your guest is properly introduced to ASHRAE. Pick up yours today! Contact a member to the executive or see your sales rep at the next meeting!!

*Steve Glover, Hamilton Chapter T.E.G.A. Chair. (905) 335-3325 [steve.e.glover@jci.com](mailto:steve.e.glover@jci.com)*

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