



# Airways

## Hamilton Chapter No. 037

American Society of Heating, Refrigeration and Air Conditioning Engineers

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Our 43rd Year

June 2002

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## Wednesday June 12, 2002

# GOLF!!!

### Message From The President

Last months ASHRAE meeting at the Misner Fish Packing plant in Port Dover was attended by a small, but enthusiastic group of Hamilton Chapter members. The first part of the programme consisted of a tour of the factory which included some very interesting refrigeration equipment which was unique to the fish packing industry. Later, we all visited the local Marine Museum which contained very interesting artifacts from the Lake Erie area. And finally, at the famous Erie Beach Hotel, we were served platters of fish and chips accompanied by the only thing you can really drink with fried fish...draft beer! It was a good and informative day for all.



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

**NEW THIS YEAR!!**

**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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This will be the final Airways edition of the Hamilton Chapter of ASHRAE 2001/2002 year. We enjoyed a good year and I would like to thank the all of the subcommittee members who worked so faithfully for me and with me in the Hamilton Chapter. You all did a great job. Thank you so much on behalf of the entire membership. I know they would all agree with me.

In particular, I would like to mention Darryl Singleton, our Student Chairman. Darryl was able to take great steps in setting up ASHRAE Student Chapters at both the University of Waterloo and McMaster University. It has been some time since we have had Student Chapters at these universities and thanks to Darryl's efforts, it looks like we will have them again. Thank you, Darryl. Good job!

Also, I would like to thank Brian Beninger, our Airways editor. His computer expertise coupled with his creativity have continued to make Airways interesting, up to date and always on time. Thank you, Brian. Your efforts are always appreciated.

Next year, beginning in September, we have several interesting programmes set up for our meetings and you will be advised of these in our first Airways newsletter in early September. Keep in mind that our meetings are normally scheduled for the second Tuesday of each month and this will continue.

Our final event of this year is the Golf Tournament and it looks like our attendance is going to approach full capacity. I hope to see most of you at the dinner following golf at the Whirlpool Rapids Golf Club.

At this time, I take great pleasure in announcing the new Hamilton Chapter President for 2002-2003, Mr. Ralph Kosir. Ralph lives in Beamsville and is currently employed as an engineer with E.F.I. Ironross. Ralph has had some experience with AMCA committees and is well equipped to lead our Hamilton Chapter for the coming year. I know we will all give him the support he needs. Welcome Ralph!

This is my last message as President of the Hamilton Chapter and I would like to take this opportunity to thank everyone in the Chapter for your help and encouragement in the past 2 years. I couldn't have done it without all of you. And just because I am no longer President does not mean I disappear. I will see you all in September in my new position of Research Chairman.

I sincerely hope you all have a safe and happy summer and I look forward to seeing you all in the fall. We know it will come around all too soon.

Take care, Everyone.

*George Robb, Hamilton Chapter President 01/02*

## *Chapter History*

### **Hamilton Chapter Charter Member: Norman Panabaker P.Eng. Historical Bio**

Norm Panabaker has been a member of ASHRAE and the Hamilton Chapter for the past 13 years, and in the refrigeration business for almost 40 years.

Norm graduated from the U. of T. in engineering and business in 1951 and completed a MBA at McMaster in 1964. He has spent most of his working life in the design, manufacturing and engineering of refrigeration products, with Frigidaire, Franklin Manufacturing, and Hussmann. During his 28 years at Hussmann, Norm supervised the design of the entire refrigeration product and had the responsibility for quality control, field service, and warranty administration.

While at Hussmann, many landmark achievements were introduced into Canada - two pipe gas defrost; heat reclaim from discharge gas; atmospheric subcooling of liquid; two stage low & medium temp for R22 packages; dual temp on same rack with a common receiver; floating head pressure & use of

balanced port expansion valves; and many versions of electronic temp and pressure controls.

In the 70s, HRAI undertook the task of rewriting the CSA developed B-52 Mech. Refrig. Code. Norm was appointed by his employer - Hussmann, to be a producer's rep. Soon Norm was involved in other CSA assignments. Norm was elected chairman of the rewrite committee for Standard CAN/CSA-C22.2#120-M91 Refrigeration Equipment and a committee member which developed C657-95.

Having attended several ARI/ASHRAE Winter Meetings in Chicago during his years at Hussmann, Norm became aware of the potential of being an ASHRAE member and being involved in Society technical committees - in particular the committees involved in developing refrigeration codes e.g. the committee developing and updating ASHRAE Standard 15 -Safety Code for Mech. Refrigeration. This committee paralleled the CSA B-52 committee. In fact, parts of B-52 referenced the ASHRAE Standard. So in 1989, Norm joined both the Society and the Hamilton Chapter. Soon he was a member of the ASHRAE SSPC-15 Safety Code committee. Being on this committee gave Norm valuable contacts that could be utilized for his CSA committee.

Since he joined ASHRAE, Norm has been regularly attending both the winter and summer meetings of ASHRAE where he is active on several technical committees even though he has retired from Hussmann. Now that's dedication.

In retrospect, Norm probably would have liked to have been an ASHRAE member in his earlier days in the business. Hopefully this bio will inspire others new to the HVAC business to get involved the technical side of the ASHRAE winter and summer meetings which have a huge potential to advance your skills and expand your key contacts.

The Hamilton chapter appreciates Norm's active participation at the chapter meetings and the Society appreciates his active involvement in the technical affairs of the Society in his new role of being a "retired" but active consulting engineer willing to help advance the industry.

Keep up the great work with many more years of a healthy "retirement".

*George Menzies, Hamilton Chapter Historian 01/02*

## *ASHRAE Annual Golf Tournament*

I have only 8 spots remaining for the upcoming golf tournament on June 12th. MANY of the entry forms are still missing names. Please be sure to secure the names in your group and fax the form to me at (905) 575-5542. I will be faxing out to the contact names, your T-Time once my list is complete. Please remember to allow ample time to get to the course. If anyone needs a map please contact me.

On all Par 3's we will be doing the same format as last year. If you hit the Green, please put your name on the clip-board which will be situated next to the Green. During Dinner the waitress will draw one name from each par 3 who successfully hit the Green.

The Whirlpool Golf and Country Club have been gracious hosts over the past few years of our annual ASHRAE Golf Tournament. They continue to encourage us to return because WE follow their

rules. Let's keep up the tradition and abide by the following rules:

1. After you have finished 9 holes...Don't waste time going into the Clubhouse. Use the Snack Bar .... That's why it was built.
2. If you feel a Ranger is pushing you don't take it personally ... He is only doing his job to speed things up so that we don't eat late.
3. Proper Dress Please ... NO Blue Jeans or Tank Tops, Shirts must have a collar, Shorts must be dress shorts.
4. Ontario Laws do not allow players to bring their own alcohol. Coolers will be confiscated. Beverage service is available on the golf course.

See you on the 12th.

*David Rasmussen,  
Hamilton Chapter Social Chair 01/02*

# ASHRAE HAMILTON CHAPTER GOLF TOURNAMENT

**DATE:** WEDNESDAY JUNE 12, 2002

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

**COST:** \$150.00 PER PERSON

**INCLUDES:** \*\*18 HOLES PLAYED ON A PICTURESQUE COURSE  
\*\*ONE POWER CART PER TWO GOLFERS  
\*\* LUNCH AT THE 9<sup>TH</sup> HOLE.  
\*\*CHICKEN AND PASTA 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. \_\_\_\_\_ PLAYER 2. \_\_\_\_\_

PLAYER 3. \_\_\_\_\_ PLAYER 4. \_\_\_\_\_

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

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

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## Upcoming Events of Interest

### **ISH Trade Show October 31 to November 2, 2002**

National Trade Centre, Toronto

The show covers Plumbing, Heating and Air Conditioning along with Kitchen & Bath and is the first ISH show outside of Frankfurt Germany

Information can be found at [www.usa.messefrankfurt.com](http://www.usa.messefrankfurt.com) and [www.ish-na.com](http://www.ish-na.com)

### **Lonworld 2002 October 31 - November 1 2002**

Join hosts Echelon® Corporation and Messe Frankfurt at the Toronto Trade Center in Toronto, Canada, for LonWorld(tm) 2002. LonWorld is the principal forum for LONWORKS® technology and includes an international exhibition with simultaneously held conference. The LonWorld conference will provide 2 days of technical presentations on how to use the LONWORKS platform to maximize performance, increase revenue & profits, create new revenue opportunities, offer valuable services to existing customers, and more.

For more information on the show, please go to [www.lonworldexpo.com](http://www.lonworldexpo.com) or contact Tatiana Kvitka, LonWorld 2002, [tatiana@echelon.com](mailto:tatiana@echelon.com)

## ***Check the first Airways in September for our updated 2002 - 2003 Meeting Schedule***

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