



Airways

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American Society of Heating, Refrigeration and Air Conditioning Engineers

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Thursday December 5, 2002

PAST PRESIDENT'S AND FAMILY DAY

It's Christmas again, and this year we are planning a special family event to be held at the Canadian Warplane Heritage Museum in Mount Hope.

The Canadian Warplane Heritage Museum is a living museum featuring the aircraft used by Canadians or Canada's Military from the beginning of World War II up to the present. The Museum's collection includes aircraft that really fly and several that remain on static display and are interactive workshops.

The museum strives to allow the visitor to experience and interact with our displays. One could climb into the cockpit of a real WWII trainer or a real jet fighter, our Avro CF-100. There are interactive flight combat simulators, which will surely test the flight skills of any aspiring aviator.

The Museum also offers the visitor an educational experience that will take them back through Canadian history. The Museum has interactive video displays, movies, photographs and memorabilia from Canadian History.

The CWHM is a non-profit organization whose mandate is to acquire, document, preserve and maintain a complete collection of aircraft that were flown by Canadians and the Canadian military services from the beginning of World War II to the present. Our role is to preserve the artifacts, books, periodicals and manuals relating to this mandate.

A collection of over thirty aircraft has grown through the friendship of Dennis J. Bradley and Alan Ness. Their love of aviation and their desire to maintain and preserve Canada's aviation history saw restoration projects that were not only great pieces of workmanship but airworthy examples.



Tonight Only:

Canadian Warplane Heritage Museum (see instructions & map below)

The museum is open until 5:00 p.m. to the general public and ASHRAE will have a private tour before dinner. Dinner is scheduled for 7:00 p.m.

Adults \$ 35.00 • Children \$ 20.00 • Entry to Museum Included



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Bradley and Ness approached friends Peter Matthews and John Weir to become partners with them to acquire the first aircraft, a Fairey Firefly. This aircraft was to become the masthead of the museum's advertising and stationery and continues to this day to be incorporated into logos, crests and memorabilia. A tribute to the four flying founders is located in the museum's main entrance.

In 1972, the group moved into part of a hangar at Hamilton Airport and started to seriously seek out other restoration projects or flying aircraft. A Harvard Mark IV was to be the next acquisition, followed over the years by Supermarine Seafire, Corsair, Chipmunk and Tiger Moth.

Hangar 4, followed years later by Hangar #3 for restoration, was purchased and the aircraft collection and the volunteers finally had a home. The group applied for foundation status, to be governed by its own volunteers, operating as the Canadian Warplane Heritage. Meanwhile, sufficient interest was being shown by those watching the aircraft being restored. More enthusiasts wanted to become part of the growing activities and the membership program began.

1975 saw the collection move into another area in Hangar 4 and the acquisition and restoration began on the B-25 Mitchell. The story of the arrival of this aircraft suggests a strafing of the airfield and the bombing of the runway with watermelons. In the same year, the Westland Lysander and Cessna Crane joined the collection.

Chapter History

Hamilton Chapter Member: Ken Crean P.Eng. MBA – Historical Bio

Our featured Member this month is Ken Crean, one of the 17 original charter members of the Hamilton Chapter in 1959 and one of three charter members still attending chapter meetings in 2002.

Ken graduated from the University of Toronto in 1953 in Mechanical Engineering along with another long time Hamilton Chapter Member, Don Harper, who was also one of the 17 original chapter members.

Ken commented that his interest in HVAC started with his student work terms. His first assignment was at the Frigidaire plant in Leaside. He worked in the Boiler Room and got to know a boiler from the inside out. The next summer he worked for the Engineering Dept of the Toronto Board of Education where he visited some 220 schools on HVAC projects. This led Ken to accept a position at Canadian Sirocco – major player in HVAC in the 50's, upon graduation. He was assigned to the Engineered Products Division, Hamilton Office where he worked for some 15 years. He designed and built the HVAC systems for the Hamilton Centre Mall – formerly the Morgans Dept store – now Zellers, as well as Sears store. It was in this period that the Hamilton Chapter was incorporated. During his last 5 years at Canadian Sirocco, Ken took an evening course at McMaster University where he graduated with his MBA.

In '68, Canadian Sirocco suddenly closed operations in Canada. Ken joined a pressure vessel fabricator as Marketing Manager. However before long, Westinghouse approached Ken and asked him to manage a new A/C Dept including the R & D Division. During this time Ken help develop a commercial heat pump for the new high rise market. With unexpected deaths of the President and V-P of Westinghouse, the company elected to close the Canadian A/C Group.

Ken elected to then move back into one of his first loves - the boiler business and joined Clayton Boiler as their Canadian Manager. This lead to the contracting field as a partner in an installation and service business for boilers. The career shift proved very valuable for Ken's future in the consulting field.

In 1993 Ken received his C of A as a Consulting Engineer. He has been involved in many cogeneration projects from a 500 KW system to a

500 MW project Sarnia. As a consultant, Ken was asked to evaluate a 5MW cogen system for a customer in Norval. Although his client didn't get the order, the customer asked Ken to be their on-site Consulting Engineer during the construction and testing of a competitor's system. Ken notes that the system is currently operating at 85% efficiency.

In the 90's, Ken has been traveling around the world. Two trips to Japan resulted in the Miura boiler Plant locating their operation in Brantford. In '91 Ken was asked to examine the failure of 2 boilers at a 30MW plant. His recommendations for changes were adopted and now are the standard for 30MW plants. This client now sends Ken worldwide to bid on power plants or assess boiler problems. This has given Ken the opportunity to visit sites like the \$26 billion "great river project" in Libya and other sites in China.

Over the years, Ken has had consulting assignments with Sandwell, Giffels, Proctor and Redfern, Hoogovens, Eastern Power, Stelco, Gryphon, and Petro Techna.

Although "retired" Ken worked with Filer Engineering on the Central Laundry Services facilities in Hamilton which service the Hamilton Hospitals, and as a consultant on problems in some of the steel mills boilers.

Ken comments that his career has covered many different phases in HVAC. However the consulting work has been most rewarding and fulfilling.

Keep up the great work with many more years of a healthy and active "retirement". We hope you continue to attend the ASHRAE Hamilton Chapter you helped form in '59 some 43 years ago.

George Menzies, Hamilton Chapter Historian 02/03

Christmas Dinner will be at the Canadian Warplane Heritage Museum.

Museum is open until 5:00 p.m. to general public and ASHRAE will have a private tour before dinner. Dinner is scheduled for 7:00 p.m.

Wine has been sponsored by JOHNSON CONTROLS LTD: Burlington Office

Christmas Menu Served Buffet Style

Oven Roasted Turkey
Savoury Stuffing
Oven Roasted or Mashed Potatoes
Medley of Vegetables

Served with

Assorted Desserts
Coffee and Tea

Price will be \$35.00 pp. for adults and \$20.00 pp. for children 12 and under which includes museum entry.

Please call and RSVP to Wilfred Laman @ 905-648-7030 or fax the section below to 905-648-9220

Fax RSVP to:



Attn.: Wilfred Laman
Phone: 905-648-7030
Fax: 905-648-9220

From
Name: _____

Company Name: _____

Number of adults: _____

Number of children: _____

Canadian Warplane Heritage Museum is located at 9280 Airport Road, Mount Hope at the Hamilton International Airport.



FROM TORONTO:

Head west towards Hamilton and take 403 West at the junction of QEW Niagara/403 Hamilton. Proceed along 403 Westbound through Hamilton and up the mountain. Exit at Fiddlers Green Rd. Follow airport signs for 8km. Pass the Airport property and look for our CF-104 Starfighter!

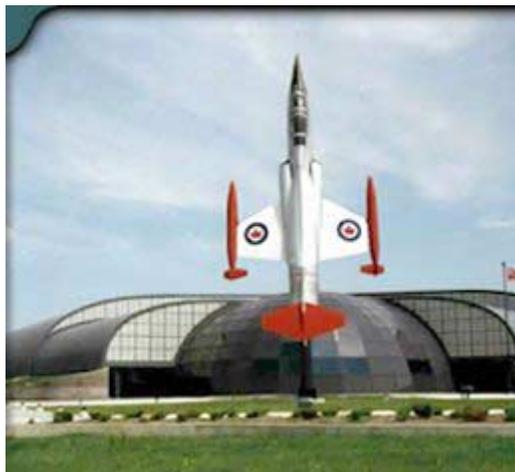
FROM HAMILTON:

Head north-west on QEW and take 403 West at the junction of 403 and QEW Toronto. Proceed along 403 Westbound through Hamilton and up the mountain. Exit at Fiddlers Green Rd. Follow airport signs for 8km. Pass the Airport property and look for our CF-104 Starfighter!

FROM LONDON/WINDSOR:

Head east on Hwy 401 to Hwy 403 East. Take 403 East. Proceed along 403 eastbound to Fiddler's Green Rd. Exit at Fiddlers Green Rd. Follow airport signs for 8km. Pass the Airport property and look for our CF-104 Starfighter!

Canadian Warplane Heritage Museum



CF-104 Starfighter

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
THURSDAY December 5, 2002	Research	Christmas Diner & Social Event - Hamilton Warplane Museum		
January 14, 2003	Membership	Radiant Ceiling Panel Basics (<i>Mat Brown, Engineered Air</i>)	Engineered Air, Radiant Panels	Tour - Mohawk College Hydronics Lab
February 11, 2003	TEEGA	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>)		Casino Construction (<i>Don Cruikshank, TMP</i>)
April 8, 2003	Research	Combo System Basics	Trimed	Odour & Microbial Control (<i>Henry Berman, Trimed</i>)
May 13, 2003	Student	Mixing Valves vs Pump Injection (<i>Tom Wood, Viessmann</i>)	Viessmann	Condensing Boilers (<i>Tom Wood, Viessmann</i>)
June 11, 2003	Membership	Annual Golf Tournament – Whirlpool Golf Course Benefits of ASHRAE and Membership		

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