



Airways

Hamilton Chapter No. 037

American Society of Heating, Refrigeration and Air Conditioning Engineers

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Tuesday October 10, 2000

The President Of ASHRAE Visits Our Chapter

The Future of HCFC and HFC Technologies

The future of HCFC and HFC Technologies will be discussed considering the effects of the policies established under the Montreal Protocol and the U.S. Clean Air Act to minimize ozone depletion, and The Kyoto Protocol to control global warming and potential climate change.

The current international and domestic laws affecting CFCs, HCFCs, and HFCs will be presented to demonstrate the significant impact on the present and future availability of air conditioning and refrigeration technologies. Proposals for changes to international and domestic laws and regulations impacting the selection of refrigerants for air conditioning and refrigeration equipment will be presented. Current research on development of substitute refrigerants for HCFC-22 equipment and projections on the availability of alternative technology for air-cooled and water cooled equipment for building air conditioning systems will be covered.

Finally, criteria for selection of air conditioning equipment for current and future projects will be outlined, considering the future of HCFC and HFC technologies.

Tonight's Speaker

JAMES E. WOLF, Vice President, Government Affairs, American Standard, Inc., Arlington, VA, USA

James Wolf, Vice President, Government Affairs, is responsible for American Standard's government affairs which includes domestic and international



Pinetree Restaurant


395 Centennial Parkway North (at QEW), Hamilton

5:00 PM Social Hour & Technical Session

6:00 PM Dinner & Business Meeting

7:00 PM Technical Program / Speaker Presentation

Chapter Members \$ 20.00 • Guests \$ 25.00 • Students \$ 20.00 • Meal Plan \$ 100.00



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activities.

Mr. Wolf has 33 years of experience in the HVAC industry and has held positions with The Trane Company and American Standard in marketing and government affairs, and has been responsible for Government Affairs for the past 28 years. He earned a B.S. Degree in Electrical Engineering at the University of Arizona and an M.B.A. from American University, Washington, D.C. Mr. Wolf served in the United States Army as a Signal Corps Officer.

Active in ASHRAE, Mr. Wolf has served as President of the National Capital Chapter of ASHRAE and on the Board of Governors for eight years. At the society level, he served as Chairman of the Journal Committee, Chairman of the Government Affairs Committee, Chairman of the Technology Council, Chairman of the Education Council, Chairman of the Finance Committee, and as a member of the Technical, Energy and Government Affairs Committee and the Nominating Committee. Mr. Wolf served on the Society Board of Directors as Director-At-Large (DAL), Vice President and Treasurer. He also served as President-Elect of ASHRAE, Chairman of Regions Council, Chairman of PEAC and became President of ASHRAE in June 2000.

Mr. Wolf served as President of the Washington Industrial Round Table, President of the Appliance Round Table, Chairman of the Alliance for Responsible Atmospheric Policy and as Chairman of the Climate Change Task Force for the Business Council for Sustainable Energy.

Message From The President

If you only manage to make one ASHRAE meeting this year, this is the one to be at.

We are very fortunate to have the 2000-2001 ASHRAE President, James E. Wolf visiting the Hamilton Chapter for our October 10, 2000 meeting. Mr. Wolf has been very influential internationally in setting ozone depletion and global warming targets on a worldwide basis. He is an excellent speaker and it would be unfortunate to miss this opportunity to see and hear him on his visit to the Hamilton Chapter.

Mr. Wolf will be delivering two talks on October 10. The first is "Engineering Tomorrow's Quality of Life". This was the speech which he delivered for his inaugural address upon becoming ASHRAE President. This speech will be delivered at 5:00 PM on the 10th.

He will also deliver a talk on "The Future of HCFC and HFC Technologies". This will be our feature talk at 7:00 PM. Please plan on being at the Pinetree Restaurant by 5:00 PM on the 10th so that we can all hear both of Mr. Wolf's talks.

**ASHRAE Hamilton Chapter
Wishes To Extend A Special Thanks
To All The Corporate Sponsors
Of Our Annual Golf Tournament
Last June At Whirlpool Golf Course
In Niagara Falls**

Comstock Canada

Johnson Controls

Niagara Plumbing Supply

Penn Ventilator

Weil McLain

For many of us, this may be the only chance we have to see and hear what the top person from ASHRAE has to say.

Please make every effort to get out for this meeting as I am sure you will not be disappointed.

George Robb, Hamilton Chapter President 00/01

Research Update

WHAT RESEARCH MEANS TO REGION II

Last year Region II invested through our members and supportive companies \$93,973 which was a substantial increase over the 1999 campaign.

Our chapter was able to raise \$8,878 and you may ask, "Where is the money spent by Society?"

Well a lot of the money is spent right here in our region and even in our chapter. The active research projects are:

Project	TC/TG	Cost	Contractor
899-RP/A	5.6	\$84,150	NRCC
904-RP/A	4.4	\$85,810	ENERMODAL ENG
961-RP/A	2.3	\$106,375	INAIK ENVIRONMENTAL
965-RP/A	4.4	\$136,320	ENERMODAL ENG
976-RP/A	5.6	\$107,925	NRCC
1015-RP/A	4.2	\$135,936	NUMERICAL LOGICS
1018-RP/A	4.4	\$165,000	NRCC
1026-RP/A	2.6	\$100,000	VIBRO-ACOUTICS
1097-RP/A	4.10	\$98,115	NRCC
1108-RP/A	5.6	\$147,500	NRCC
1145-RP/A	4.7	\$76,000	ENERMODAL ENG
TOTAL		\$1,243,131	

Well, obviously, ASHRAE RESEARCH is very important to corporations within our Region since project contracts exceed in investments by a ratio of 13:1 the dollars we invest. Contracts are awarded by a competitive bid process. The above figures prove that we as Canadians have the talent and can be competitive globally.

Thank you for your support last year

John B. Pollock, Hamilton Chapter Research Co-Chair

ASHRAE Hamilton Chapter Scholarship

Last year, the Executive of the Hamilton Chapter created a Scholarship Fund to begin in September, 2000. This Scholarship is for the children or grandchildren of Hamilton Chapter members who are newly enrolled in a post secondary education (university or college) program related to engineering.

A Scholarship will be made available for one applicant newly enrolled in a university program and one applicant newly enrolled in a community college.

The Scholarship is valued at \$617.71. Anyone interested in applying should submit details to George Robb, Hamilton Chapter President by the end of October, 2000.

George Robb, Hamilton Chapter President 00/01

Upcoming Events of Interest

CBIP TRAINING SESSION

Commercial Building Incentive Program and the EE4.CBIP Software

You are invited to attend Natural Resources Canada's upcoming CBIP training sessions. The objective of CBIP is to encourage energy-efficient design practices and to bring about lasting changes in the Canadian building design and construction industry. CBIP offers financial incentives up to \$80,000 for the incorporation of energy efficiency features in new commercial/institutional building designs. Participants will learn to use the EE4.CBIP software to evaluate whether designs meets program requirements. The full-day sessions are free of charge and lunch will be provided. For more information on CBIP, please visit the website at <http://cbip.nrcan.gc.ca>

Training sessions are as follows:

Hamilton Union Gas	Oct 24, 2000
Chatham Union Gas	Oct 25, 2000

To register by e-mail or phone, please contact shc@nbnet.nb.ca or 506-652-1218. A detailed agenda will be sent to all participants prior to the training session.

1999 - 2000 Meeting Schedule

This year's meeting schedule is summarised below. Except for some special events, all meetings will be held at the Pinetree Restaurant, 395 Centennial Parkway North (at the QEW), Hamilton. 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, please contact George Robb. If you want to book the table top space to promote your product or service, or if you have a suggestion for a feature subject and/or speaker, contact John Pollock, George Robb, or any other member of the executive. There is a charge of \$ 75.00 for "Table Top" demonstration space, and this includes a business card ad for one month.

2000 – 2001 ASHRAE HAMILTON CHAPTER PROGRAM ACTIVITY

Month/Date	Theme	Tech Session 5:00 – 6:00 p.m.	Table Top Presentation	Guest Speaker/Main Topic
Oct. 10, 2000	TEGA	Visit of James Wolf, President, ASHRAE The Future of HCFC and CFC Technologies		
Nov. 14, 2000	Student	Cogeneration Systems	TBA	Deregulation and Power Regulation (Chris Hobbs, P.Eng., Peninsula Engineering)
Dec. 9, 2000	Membership/ Research	Hamilton – Dundurn Castle – Family Event – 1:30p.m. to 4:30p.m.		
Jan. 9, 2001	Research	New Technology in Cartridge Filters	Envirotech	Ultrafine Particles and Indoor Air Quality (Roger Williams, TSI)
Feb.13, 2001	TEGA	Fundamentals of Local Area Networks	Energy Control	Use of Airflows in Occupied Space; Commercial vs Industrial (Duncan Phillips, P.Eng., RWDI)

Mar. 13, 2001	Refrigeration	Expansion Valves (John Pollock)	Copeland Alco	Supermaket Refrigeration (Paul Neelands, Neelands Refrigeration)
Apr. 10, 2001	TEGA	Retrofitting old Chimneys	TBA	Chimney Vents
May. 8, 2001	Student	Industrial Tour - Westcast Industries		
June 13, 2001	Membership/ Research	Annual Golf Tournament – Whirlpool Rapids		
All meetings are at the Pinetree Restaurant, 395 Centennial Parkway North (at QEW), Hamilton, unless noted otherwise.				

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