



Airways

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American Society of Heating, Refrigeration and Air Conditioning Engineers

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Our 46th Year

February 2005

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Tuesday, February 1, 2005
(not the normal 2nd Tuesday)

Construction Lien Law

This month, Mr. Howard Wise of Goodmans LLP will be talking to Chapter members about construction lien law.

Per their web site, "Goodmans LLP is recognized internationally as one of Canada's premier transaction law firms. With a strategic entrepreneurial history and deal-making mindset, Goodmans lawyers deliver intelligent solutions, responsiveness, energy, talent and determination to get the deal done. It's more than just legal services; it's strategic business advice."

Feature Speaker:

Howard Wise, LL.B.
Goodmans LLP

Howard Wise is a partner with Goodmans LLP specializing in the areas of construction law and commercial litigation.

With 20 years of experience, Howard is listed as one of the "most frequently recommended" construction law practitioners by *The Canadian Legal Lexpert Directory*. He has been certified by the Law Society of Upper Canada as a specialist in construction law.

He is an author and a frequent lecturer to both legal and industry-based associations on various topics relating to construction law including design build contracts, bidding and tendering and construction liens.

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 – Feature Speaker

Technical Session/Dinner/Feature Speaker

Chapter Members - \$30.00 • Guests - \$40.00 • Students - \$15.00 • Meal Plan - \$135.00

Technical Session and/or Feature Speaker (without Dinner)

\$15.00





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President's Report & January Recap

The January meeting was a busy and successful night with over 30 in attendance.

The technical session on kitchen hood fire suppression systems was provided by Nathan Martin and following the presentation, the question and answer period was handled by Nathan and our guest speaker Tom Mills.

Prior to dinner a review of the two table top presentation were then provided by Nathan (representing Spring Air) and Wilf Laman (representing Quiet-Aire).

Tom Mills topped of the evening with an excellent presentation on the state of the art in kitchen exhaust systems including an update on NFPA-96.

Dave Rasmussen and Wilf Laman are already out scouting potential sites for the CRC in 2006 and will bring recommendations to the board for consideration.

We are still trying to bring the Society President, Ron Vallort, to the Hamilton chapter but it is difficult since his responsibilities are international and quite time consuming. More on the refrigerant theme night will follow.

Since the 2005 Winter meeting is in Orlando Feb 5 – 9 we have moved up the meeting to Tuesday February 1st (a week early). We have a short interval since the last meeting and a longer interval until the next one.

On a personal note, it was great to catch up with Tom West (Life Member) and we shared a few stories and libations about the last 39 years that we have known each other.

The lot of the history of this industry is embedded in the minds of the its members, so we should encourage the sharing of this for the future of it.

Looking forward to seeing you at the February meeting.

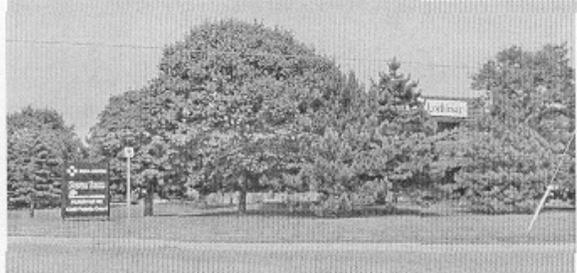
Bill McCartney, President 04/05



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Computer Corner Cleaning jpg Files

The most common format of graphic images I deal with is the "jpg" file which is a compressed version of the original image.

Back in the good old days, when jpg first arrived on the scene, most files simply contained the image data. As programs became more sophisticated, additional data was often packed into the image file as well, data of use only to the program which created or edited the file. My digital camera, for example, stores exposure information with each photo I take. Such data is useful for programs such as Photoshop but of no use when you are creating a slide show or posting images on the internet. Generally, this doesn't matter because programs that have no use for this additional information usually just ignore it. The only consequence is that you store a little extra data for nothing, no big deal in these days of 160 GB hard drives.

Over the years I have used a number of graphics programs to view and edit jpg files. The latest version of Adobe Photoshop is one of my favorites. It has every photo editing tool imaginable however it is a complex program and a bit unwieldy for simple tasks. It can be overkill when all you want to do are a few simple edits such as resizing or cropping an image. That's why I still regularly use an old program called Picture Publisher, my first photo editing software. My learning curve for this program is now flat and for me, it is still ideal for many simple edits. If I have a photo I want to enhance or print, I edit the file with Photoshop. If I want to crop or reduce a photo to email or post on the internet, I use Picture Publisher.

However sometimes there is a problem: my Picture Publisher program does not understand the newer jpg files. The additional information inserted into an image file, by my camera for example, confuses the old program and I get an error message. If only there was a way to strip away all the superfluous information from a jpg file and leave only the image data ...

Well there is. The program is called JPG Cleaner and it is available free from Rainbow Software at <http://www.rainbow-software.org/>

You may not have Picture Publisher but if you are using old photo editing software and have trouble opening some jpg files, try running them through JPG Cleaner first.

Brian Beninger, P. Eng., Webmaster 04/05

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Heating/Cooling Coils & Corrosion Protection

Upcoming Events of Interest

ASHRAE Winter Meeting (including AHR Expo)

Feb. 5 – Feb. 9, 2005
Orlando, FL
www.ashrae.org



Quiet-Aire Manufacturing Inc.

2367 Anson Drive
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allan@madok.com

***Bio – Dennis J. Banning
Hamilton Chapter Member,
Past President Montreal Chapter***

Dennis was brought up in bilingual surroundings in the Northern Ontario mining communities of Timmins & Blind River. Elementary school education was done in French followed by a bilingual secondary education. In the early fifties, the Banning family re-located to a mining town site in the Blind River area, established to develop a major uranium ore discovery. The mine provided summer employment during the construction and operation phases with both surface and underground activities.

After high school, the first permanent employment was with General Electric, installing the generators at a local Hydro Electric project. Once completed, Dennis joined the RCAF for 4 years and serviced airborne radar equipment after training and certification as an electronics technician.

In 1964 Dennis moved to Montreal and worked for a year with Dun & Bradstreet where he met his future wife Donna. The year spent at D&B investigating the credit worthiness of small to medium sized firms, provided a unique insight into the financial requirements of business operations. Dennis commented that this helped him in his decision to go with Chromalox.

In 1965, a sales position was accepted with Canadian Chromalox, a manufacturer of electric heating products, as a representative for the Eastern Townships and Laurentian territories in Quebec. Rapid growth in the electric heating industry during the 1970's resulted in the appointment to a new position as Quebec Manager, Commercial Heating Products, with responsibilities for the specification and execution of major projects in Quebec. One particular project Dennis did was for the University of Quebec who was setting up a facility in Montreal. It involved an all electric convection project with the added challenge that the building was to

incorporate the steeples from two old churches on the property which were being demolished to accommodate the new university building. The project went well and can be seen even today as a successful application of electric heating. Dennis enjoys seeing the facility when he visits Montreal. Look for it.

During 1970's Dennis attended night school and obtained an Engineering Certificate and BSc from Sir George Williams University (now Concordia) followed by a Business Diploma from McGill University.

The importance of ASHRAE activities was recognized during the Chromalox years and several positions on the Board of the Montreal Chapter were held, ultimately as Montreal Chapter President in 1980-81. In this period, as the DRC for Region 2, I was the guest of the Montreal Chapter at that time and the bilingual President - Dennis was a real help. In 1984-86 Dennis served as Region 2, Research Promotion Vice Chairman while a member of the Hamilton Chapter. Dennis, George Buckler and I were fortunate to travel to the ASHRAE June meeting in Hawaii – one of the real bonuses in being in ASHRAE

In 1981, a transfer was accepted to a Chromalox sister company, Solatherm, that manufactured and distributed solar collectors. Interest in alternative energy sources resulting from the energy crisis peaked in the late 1970's but moderated in the early 1980's resulting in the discontinuation of Solatherm in 1982, when the current position of Manager, Sales & Marketing position was accepted at Delhi Industries Inc, a leading manufacturer of Air Moving Products.

Dennis has also served on the HRAI (Heating Refrigerating and Air Conditioning Institute of Canada) Board of Directors, from 1988 to 1993, and was active with various AMCA (Air Moving And Control Association, Inc) committees latterly as Chairman, Sales and Marketing Executives Council in 1993-95. For the last 20 years, Dennis has been at the ASHRAE/ARI Show which is held in conjunction with the winter ASHRAE Meeting. This year it is in Orlando Feb 7 to 9. Many of us will drop by the Delhi booth and say hi to our two local members – Dennis Banning and David Rasmussen.

Dennis lives with his wife Donna in Simcoe, Ontario and has 2 married sons and one grandson. Interests are sports and local theatre and the enjoyment in a very average game of golf.

*Submitted by George Menzies, P. Eng., Student
Activities Chair & Historian 04/05*

A Tribute to Morris Lester Markel

Morris Lester Markel, 87, passed away on Sunday, December 5, after a brief illness.

Morris was on the BOD of the Society at the same time I was on the Board. I got to be friends with a remarkable ASHRAE member. He was the “founder of Insights”. In his recent passing, I would like to pass on his obit.

Morris was a lifelong resident of Buffalo, NY, since his birth there in 1917. He graduated from the University of Michigan in 1939 with a bachelor of science in electrical engineering. Morris enlisted in the U.S. Army and served two tours of duty in the European Theater of Operations. He joined the 209th Coast Artillery in early 1941, helping to develop radar technology that enabled the British Royal Air Force detect and intercept enemy bombers during the Battle of Britain. He later worked on radar to protect U.S. air bases and help U.S. planes locate targets in France and Germany. In the course of his top-secret radar work, during flights behind enemy lines, he was ordered not to allow himself to be captured alive if shot down. Morris was always extremely proud of his service in WWII and the lives it helped save. He was a member of the Lorenzo Burrows Jr., M.D. American Legion Post #78 and the Jewish War Veterans of U.S.

After the war Morris joined Markel Electric Products, a company founded by his father, Joseph. He became vice president of engineering, responsible for designing and testing electric heaters, fans and lights. He also became a leader in the electric product industry, serving on several Panels of the National Electric Code of the National Fire Protection Association.

Morris was named a Fellow of ASHRAE where he chaired several technical committees, served on the Board of Directors, and received ASHRAE’s Andrew Boggs Award for Distinguished Service. Morris helped to conceive the idea and format of *ASHRAE Insights*; he lobbied hard to make this a way to increase communication between the Society and its members with a minimum of red tape and expense. As an ASHRAE Fellow, Morris earned an international reputation for his pioneering work in human comfort, radiant heat, operative temperature and energy efficiency. He conducted research for the New York State Energy Research and Development Agency on his operative temperature sensor, for which he received U.S. and Canadian patents. He was active in the Niagara Frontier Chapter of ASHRAE, and was a frequent guest lecturer for engineering courses at area universities.

After Markel Electric was sold, Morris fought hard but, ultimately, unsuccessfully, to keep the business and its

400 jobs in Buffalo (moved to Ontario). He continued to work as an engineering consultant in Buffalo, supporting numerous cultural and charitable organizations including the Jewish Community Center of Greater Buffalo, where he served on the Board of Directors. He was a member of the Westwood Country Club and a former member of Cragburn. His family’s commitment to Western New York is exemplified by the three other local businesses founded by his wife and two of his children.

Markel is survived by his wife, Fannye Weiss Markel; his five children and their spouses: Lawrence (Joan), William (Lynn), Lisa, Thomas (Roberta), and Ellen (Morgan Smith); his seven grandchildren: Evan, Erick, Andrea, Heather, Aaron, Jacob, and Brigid; hundreds of friends, colleagues; fellow 209th and RAF veterans; and his dog Charlie. In lieu of flowers the family requests that friends consider a donation to ASHRAE Research, 1791 Tullie Circle, NE, Atlanta, GA, 30329, or a contribution to any charitable or civic organization in the Buffalo area.

Morris cared deeply about ASHRAE, and he was especially proud of its principles of inclusiveness and technical excellence. He enjoyed passionate technical debates but never lost sight of the fact that, however heated the arguments, he was still debating with friends. He felt that another of ASHRAE’s strengths was its policy of encouraging new members to participate in committees and of keeping all committee meetings open to the membership. The most appropriate action his ASHRAE friends and colleagues could take in his memory would be to continue to contribute to ASHRAE’s technical excellence without regard for personal advancement and to make an extra effort to welcome new faces and encourage more members to involve themselves in ASHRAE’s activities.

*Submitted by George Menzies, P. Eng., Student
Activities Chair & Historian 04/05*

ASHRAE Hamilton Chapter Golf Tournament

Had enough of Winter yet? I suppose then you won't mind if I talk some Golf.

The date is firm at Wednesday June 8, 2005.....The golf course is Legends on Niagara-Battlefield (Yes, this is where the LPGA was held in 2003)

We need over 100 golfers to allow us to do a shot-gun start.

Please fax or email me your commitment to participate. I don't need to know the other names of the golfers in your group.....just whether you will have a 4some, a 2some, or single. **Price will remain the same as last year at \$150/ person.** The entry form will appear in the March Airways.

If my target number is not met prior to the April Airways, I will be pursuing golfers from the Toronto or London Chapter.

This is a one shot opportunity (No pun intended) and will not be our permanent location.

Fact: If you were to show up at Legends on a weekday it would cost \$130 to golf.

David Rasmussen
Social Chairman 2005
Email: drasmussen@delhi-industries.com
Phone/ Fax: (905) 575-5542

No Library Card? No Problem!

Check out the following books/CD's available from the Hamilton Chapter Library. You borrow the book and, in exchange, you leave me your business card. When you return the book, I return your business card — it's that easy. Traditionally people have borrowed the books and returned them at the next monthly ASHRAE meeting.

The following books are available:

Cogeneration Design Guide
Design of Smoke Management Systems
Engineering Manual of Automatic Control for Commercial Buildings
Industrial Ventilation-23rd Edition
Duct Fitting Loss Coefficient Tables
Fundamentals of Thermodynamics & Psychrometrics
Cooling and Heating Load Calculation Principles
Laboratory HVAC

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HVAC Air Duct Leakage Test Manual
Cold Air Distribution System Design Guide

The following are ASHRAE Standard Manuals:

Number Designation and Safety Classification of Refrigerants
Thermal Environmental Conditions for Human Occupancy
Practices for Measurement, Testing, Adjusting, and Balancing of HVAC Systems
The HVAC Commissioning Process

The following are CD's:

Transactions of Technical and Symposium Papers - 1997
HVAC Applications/Systems/Equipment - 1995-96
Fundamentals Handbook-1997

Please contact David Rasmussen if any of the above interests you.
Phone/ Fax: (905) 575-5542
Email: drasmussen@delhi-industries.com

2004 – 2005 Meeting Schedule

This year's meeting schedule is summarized below. Except for some special events, all meetings will be held at the **Royal Hamilton Yacht Club, at the north end of McNab St. on the Hamilton Harbour** (If you need a map, visit our web site). During the 5:00 pm to 6:00 pm Social Hour, a half hour "technical session" is presented on the basics of a particular subject relating to our industry. If the session sounds interesting to you, feel free to attend. These sessions are presented by our members and are open to any one wishing 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 the "feature speaker". If you are interested in presenting a technical session, booking table top space to promote your product and/or service or, if you have a suggestion for a feature subject and/or speaker, please contact Nathan Martin (Programs Chair). There is a charge of \$75.00 for "table top demonstration" space and this includes a business card ad for two months.

2004 – 2005 ASHRAE Hamilton Chapter Program Activity				
Date	Theme	Technical Session 5:00 pm – 6:00 pm	Table Top Demonstration	Feature Speaker
February 1, 2005 (moved up 1 week due to ASHRAE Orlando meeting)	Research			Howard Wise <u>Goodmans LLP</u> Construction Lien Law
March 8, 2005	Design	BACNet		Hospital Isolation Rooms
April 12, 2005	Refrigeration	Bill McCartney <u>Isotherm Engineering</u> Ontario Regulation 189/94		Ron Vallort, P.E. History of Refrigeration (Date subject to change due to Ron Vallort's schedule)
May 4, 2005 (moved up 1 week due to Toyota scheduling problem)	Students	Tour of Toyota Motor Manufacturing Canada (Cambridge facility) Tour at 12:30 p.m. followed by lunch at Moose Winooski's (Sportsworld Dr., Kitchener)		
June 8, 2005	Social	Annual Golf Tournament <u>New Location - Legends on Niagara (Battlefield) - Niagara Falls</u>		

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