



Airways

Hamilton Chapter No. 037

American Society of Heating, Refrigeration and Air Conditioning Engineers

Volume 43, No.1

Our 43rd Year

September 2001

President

George Robb P.Eng.
Phone (519) 885-2858
gjrobb@golden.net

President Elect

Steven Hey
Phone (905) 662-1138
steveh@htseng.com

Secretary

Chris McClelland
Phone (905) 572-1111

Treasurer

Al Curzon
Phone (905) 641-4869
al.curzon@cg.enbridge.com

Assistant Treasurer

John Pollock
Phone (905) 304-1788

Research Chair

Ed Cazzola P.Eng.
Phone (905) 523-1988
ecazzola@sentex.net

Assistant Research Chair

John Pollock
Phone (905) 304-1788

Membership Chair

Steven Hey
Phone (905) 662-1138
steveh@htseng.com

Student Activities Co-Chairs

Darryl Singleton
Phone (905) 545-5479
darryls@aquatech.ws
Chris McClelland
Phone (905) 572-1111

Programs Chair

Dave Stacey P.Eng.
dave@peneng.com

Assistant Programs Chair

Rob Boyko

Historian

George Menzies P.Eng.
Phone (905) 388-1313
gmenzies@netcom.ca

T.E.G.A.

Steve Glover
(905) 335-3325
steve.e.glover@jci.com

Social Chair

David Rasmussen
Phone (905) 575-5542
drasmussen
@delhi-industries.com

Newsletter Editor/Webmaster

Brian Beninger P.Eng.
Phone (905) 563-3221
Fax (905) 563-7123
brian@beninger.ca

Tuesday September 11, 2001

Energy Recovery in Ventilation Systems

Since the advent of the "Sick Building Syndrome" in the 80's, HVAC building design has become increasingly conscious of improving minimum ventilation standards. However, as depleting energy reserves cause energy prices to escalate, interest in recovering energy from exhausted air has been steadily on the rise.

In forced-air commercial / industrial HVAC systems there are four main methods employed for energy recovery: Enthalpy Wheel, Energy Pipe, Air-Air Reclaim, and Glycol Run-Around. Each exhibit specific benefits pertaining to both application and effectiveness and these will be discussed in this session.

Tonight's Speaker

Rob Boyko currently supervises the Golden Horseshoe Sales Division for Engineered Air. Born and raised in Winnipeg, he earned a degree in Mechanical Engineering from the University of Manitoba. After a brief stint with the local Hydro utility, Rob accepted a position with Engineered Air, serving in Winnipeg for 5 years. In 1999 he moved his family to Ancaster ON to establish the current Sales Office, located on Hamilton Mountain.




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



AQUA TECH
SALES & MARKETING INC.

FRANK J. STEMPSKI
Sales Manager

HEAD OFFICE 40 Biggar Avenue, Hamilton Ontario Canada L8L 3Z4 Bus. (905) 545-5479 Fax. (905) 545-8655	LONDON BRANCH 265 Banbury Crescent London, Ontario N5Z 4T7 Bus. (519) 681-8699 Fax. (519) 680-3225
--	---

Manufacturers Agents

NORTHERN INDUSTRIAL
FANS & BLOWERS

MARTIN HALLIWELL, P.Eng.


Tel: (519) 886-8091
Fax: (519) 886-0160

Web Site: www.nisco.net
Toll Free: 1-888-FAN-COIL



Address: 539 Paradise Ct., Waterloo, ON N2T 2N7

W.F. (Wilfred) LAMAN, P. Eng.
Regional Sales Engineer




CHICAGO BLOWER CORPORATION
an ISO 9001 Company

Represented by:
**Chicago Blower Sales
of Southwestern Ontario**

59 Abbey Close
Ancaster, ON L9G 4K8
Phone: 905-648-7030
Fax: 905-648-9220

Brian L. Beninger P.Eng. M.Sc.



Beninger Engineering

Beninger Engineering Limited
4356 Lincoln Avenue
Beamsville, Ontario LOR 1B2

Phone: 905 563-3221
Fax: 905 563-7123
Email: brian@beninger.ca
Web Site: www.beninger.ca

Message From The President

All too quickly, September has come around again. I hope you all had a good summer and are rested and relaxed from some good times and are now looking forward to the fall and winter schedule of ASHRAE events.

The first piece of news for this fall is that we have changed our Hamilton Chapter meeting location to the Royal Hamilton Yacht Club. We felt that this would be a more pleasant location for our meetings and that we will receive better food service. I would be interested in receiving any feedback you may have on this new location.

Your Hamilton Chapter Executive has just returned from the Chapters Regional Conference (CRC) in beautiful Halifax, Nova Scotia. There, we were able to meet with the new 2001-2002 ASHRAE Society President, Mr. Bill Coad. This conference also allows the Hamilton Chapter Executive to meet with other Chapters from cities within our region. These cities include Halifax, Moncton (New Brunswick & PEI), Quebec City, Montreal, Ottawa, Toronto, London, and Windsor. It is always interesting and helpful to compare successes and failures unique to other Chapters and relate these experiences to our Chapter. I will fill you in more on other details of the Conference at our September meeting.

The programs section of this issue of Airways provides a complete listing of itinerary for upcoming meetings and events. I encourage each of you to take a few moments to mark these events in your daytimers.

For September, we have 2 speakers lined up. The first is Glenn Schuyler. Glenn has been active on many of the technical and standard committees at ASHRAE. This is an area that many of us do not come in contact with. However we do see the results of their work in the ASHRAE Handbook and other periodicals and ASHRAE Standards. Glenn will be talking about how you as an ASHRAE Member may want to become involved with some of these committees. Our second speaker is Rob Boyko, a member of our Hamilton Chapter Executive. Rob is going to be talking on Heat Recovery. This topic is always an interesting one. Its importance is even greater today with increasing gas and electricity costs.

For October, we have scheduled an exciting event based around the concept of "substantial completion" that takes place on a construction project. This will be a forum of several speakers and should prove to be very interesting since substantial completion is sometimes very hard to achieve at the conclusion of a project.

We have installed several new members onto our Hamilton Executive. You will find this list on the front page of Airways. As always, we like to see new people come into the executive and if any of you have any interest in such a position, please feel free

to talk to me or any member of the executive for more information.

I am looking forward to meeting with you all this September and don't forget our new meeting location at the Royal Hamilton Yacht Club. See you soon.

George Robb, Hamilton Chapter President 01/02

Chapter History

Hamilton Chapter Member: Robert J. Morris (Bob) – Historical Bio

Bob's commitment to ASHRAE has spanned more than four decades and his leadership continues to impact us all. His latest achievement is to establish a Canadian Life Members Bursary Fund to help needy Canadian Students in undergraduate studies. It has official registration #869205520RR001 to allow contributions to be personal tax deductions. All the Canadian Life Members will be asked to participate. All other ASHRAE members also qualify to contribute. This is just another example of Bob's lifelong efforts to advance ASHRAE.

Even at college, Bob's future in HVAC was born early as his thesis was about the HVAC. Much of his early employment involved HVAC design and installations. He eventually moved to Humber College where he taught HVAC for many years. Imagine, a prof who had field experience – a rarity these days. At Humber, he developed some 158 Learning Package Booklets for the Ministry of Colleges and Universities. This career was followed by consulting at Stelco and culminated with the purchase of a HVAC plant in Brantford. Bob is now part time retired and enjoying a cottage in Parry Sound and his farm on Upper James in Hamilton – one of the few active farms on the Upper James Strip.

Bob joined ASHRAE's Toronto Chapter in '68 and soon was active in what else –the Education Committee. In '72 he chaired the Committee. He developed and published a brochure "Your Future in the Industry" a very popular brochure. You may have seen and read it as most chapters use it as a handout to student members even today. ASHRAE Headquarters was also impressed and reprinted it and distributed it to all the Regions and Chapters in ASHRAE. By '76, Bob was the Regional Vice-Chair Region 2 Education Committee. In '82 he became V-P of the Hamilton Chapter, then Pres-Elect and

our President in '84 during our 25th Anniversary Year. Bob then assisted the Region for some 6 years starting in '88, on the Regional and Society Nominating Committee. Now trying to retire, in '98 Bob was elected to the Executive Board of the ASHRAE Life Member's Club. He has moved up on the executive and is currently is 1st Vice-Chair soon to be Chair.

Bob's ongoing desire is to help the younger member understand the benefits of membership in ASHRAE both at the Chapter and the Society level. And when you meet Bob in at one of our meetings, you will realize that he has not slowed down a bit. Ask Bob and he will be there to help!

George Menzies, Hamilton Chapter Historian 01/02

Message From The Editor

Here we go again for another year.

The most immediate change to be aware of is the change of venue for monthly Chapter meetings. We will be holding all of our meetings this year (with the exception of special events, tours etc.) at The Royal Hamilton Yacht Club at the north end of McNab St. on Hamilton Harbour. A map is included in this issue for your information.

A new feature this year is the periodic inclusion of the bio of one of our distinguished Chapter members. This month, we start with Bob Morris. Thanks to George Menzies, Chapter Historian for his work in preparing this feature.

Last, but not least, as of this issue, we will be saving a lot of trees by publishing the Airways electronically. Ashrae members will receive their newsletter via email. It will also be posted on our web site: www.vaxxine.com/ashrae

*Brian Beninger, Hamilton Chapter Airways Editor,
Webmaster 01/02*

Upcoming Events of Interest

Increase Your
Professional
Knowledge



Earn CEU/PDH
or AIA Learning
Unit Credit

Attend ASHRAE Learning Institute's
Professional Development Seminars
in Montreal, PQ (CANADA)



**Design & Remediation to
Achieve Acceptable Indoor Air Quality**
October 15-16, 2001



**Designing Desiccant Systems for
Pre-Conditioning Outdoor Air**
October 17, 2001

For complete program and registration information,
Visit ASHRAE's website at: www.ashrae.org
or contact

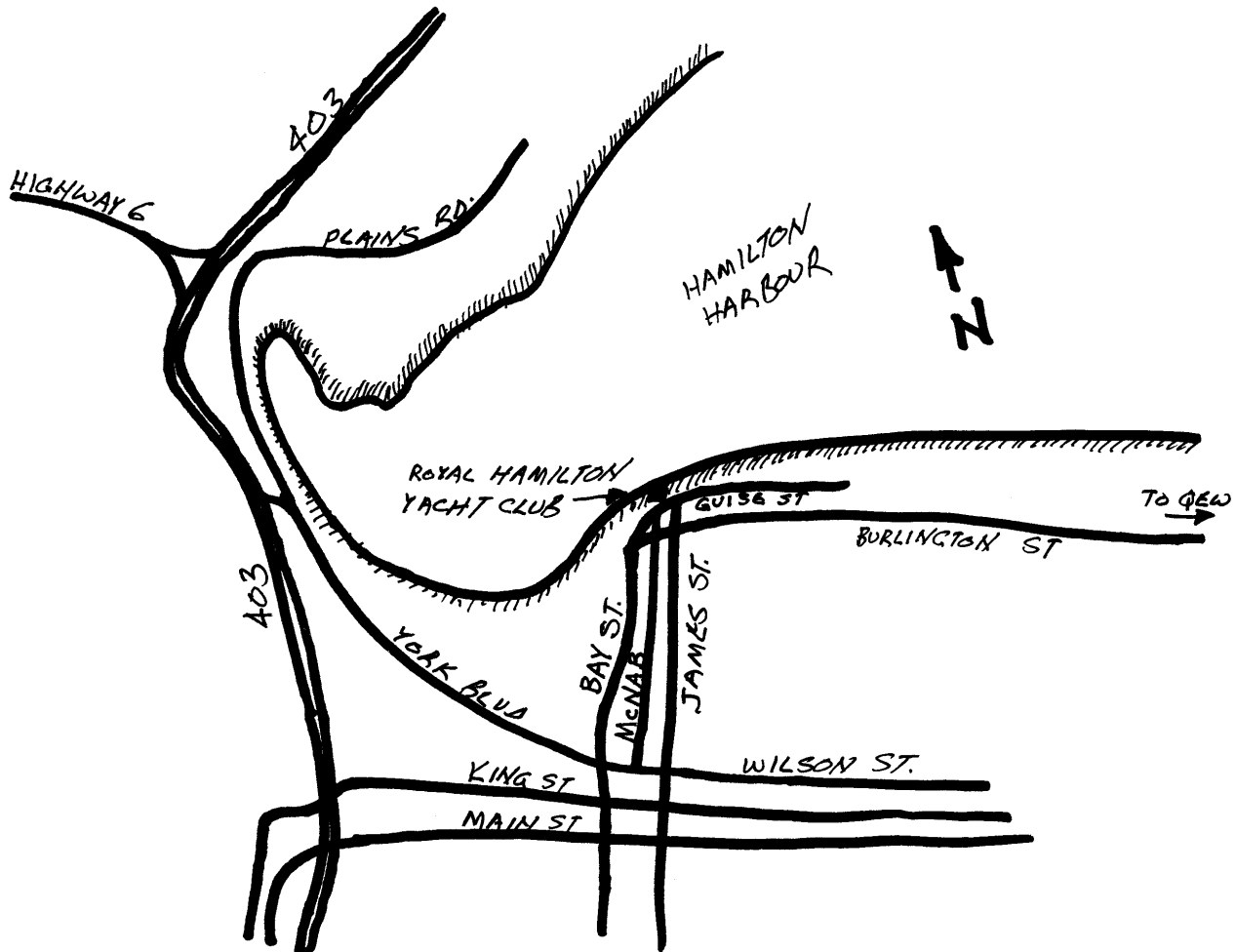
ASHRAE Customer Service
1-800-527-4723
Fax: 404-321-5478

ASHRAE HAMILTON CHAPTER MONTHLY MEETINGS

NEW LOCATION!!

ROYAL HAMILTON YACHT CLUB

NORTH END OF McNAB ST. ON HAMILTON HARBOUR



2001 - 2002 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**. 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 Dave Stacey. 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 two month.

2001 – 2002 ASHRAE HAMILTON CHAPTER PROGRAM ACTIVITY				
Month/Date	Theme	Tech Session 5:00 – 6:00 p.m.	Table Top Presentation	Guest Speaker/Main Topic
September 11, 2001	Membership	Selling the Technical Side of ASHRAE (<i>Glenn Schyler, RWDI</i>)		Energy Recovery in Ventilation Systems (<i>Rob Boyko, Engineered Air</i>)
October 9, 2001	TEGA	Substantial Completion – The Holy Grail An Open Discussion on Commissioning and Project Occupancy		
November 13, 2001	Research	Pressurization Fans (<i>David Rasmussen, Delhi Fans</i>)	Delhi Fans	Air Supported Structures Yeadon Fabric Structures (<i>Milosh Nadvourik</i>)
December 4, 2001	History	Christmas Event – Niagara Under Glass – Vineland, Ontario		
January 8, 2002	Student	Air flow Measurement Devices		Air System Balancing (<i>Dave Lipsit, Air Audit</i>)
February 12, 2002	Membership		York	Underfloor Air Distribution Systems (<i>York Air Conditioning</i>)
March 12, 2002	TEGA	Heat Pump Operation	CSSI	A new Concept for Hotel HVAC (<i>Bob Rutherford, CSSI</i>)
April 9, 2002	Research	Motor Selection for Explosive Environments		Tobacco Kiln Retrofit Measures (<i>DeCloute Mfg.</i>)
May 2002	Refrigeration	Tour of Toyota Motor Manufacturing – Cambridge, Ontario		
June 2002	Membership/ Research	Annual Golf Tournament – Whirlpool Golf Course, Niagara Falls Benefits of ASHRAE and Membership		
All meetings are at the Royal Hamilton Yacht Club, North end of McNab St. on Hamilton Harbour unless noted otherwise.				

Airways Newsletter Editor:
 Brian Beninger
 Beninger Engineering Limited
 4356 Lincoln Avenue, Beamsville, Ontario L0R 1B2
 Phone (905) 563-3221
 Fax (905) 563-7123
 E-Mail brian@beninger.ca

Hamilton Chapter Mailing Address:
 11 Paulander Dr., Unit B
 Kitchener, Ontario N2M 5B6
 Phone 800 644-4406
 Fax 519 741-9380

ASHRAE Hamilton Chapter
<http://www.vaxxine.com/ashrae/>