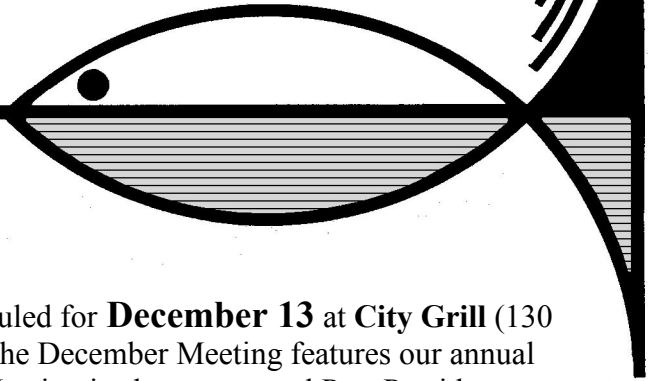


The Herring Choker

ASHRAE
NB PEI CHAPTER



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Ken Martin
Jason Nelson
Gerry Waselynychuk

Our next Chapter meeting is scheduled for **December 13** at **City Grill** (130 Westmorland St, Moncton, NB). The December Meeting features our annual **Chapter Christmas Party**. The Meeting is also our annual Past Presidents Night, with many previous Chapter Presidents planning to attend.

The Party kicks off with a cash bar at 5:30PM, and dinner will be served at 7PM. During the pre-dinner reception, sommelier Lisa Gautreau will be leading a complimentary wine tasting. The RSVP period has closed, but please contact Chapter President Kevin Clannon if you have not yet RSVP'd. He can be contacted at kclannon@master.ca, and can inform if any spaces remain.

Executive Meeting Notice

A reminder to the Executive, Board of Governors, and the Committee Chairpersons that the executive meeting will start at 3:30 PM at the City Grill.



Chapter President Kevin Clannon (R) is pictured providing a thank-you gift to special guest lecturer Danny Suansing at the November Chapter Meeting.

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P.Eng., LEED® AP
Mechanical Design Engineer

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Chapter Past Presidents

In honour of our Chapter's Past Presidents Night, we present the following list.

Chapter Charter: 13 October 1972

- | | |
|----------------------------|-----------------------------|
| 1972-73 Kirk Bavis | 1992-93 Brien Storey |
| 1973-74 Bob MacPherson | 1993-94 Alyre Gallant |
| 1974-75 Ken Perry | 1994-95 Rod Collins |
| 1975-76 Brian Hildreth | 1995-96 Paul Stockton |
| 1976-77 Richard Gallant | 1996-97 Stephen Tweedie |
| 1977-78 Terry Steeves | 1997-98 Bill Goobie |
| 1978-79 Terry Steeves | 1998-99 William Hooper |
| 1979-80 Gary Hoadley | 1999-00 Jeff Hayward |
| 1980-81 Gary Hoadley | 2000-01 Luc Dugas |
| 1981-82 Jean-Guy Bernard | 2001-02 Derek Weldon |
| 1982-83 Gerry Forsythe | 2002-03 Grant Bourque |
| 1983-84 Gerry Forsythe | 2003-04 Luc Dugas |
| 1984-85 Gary Blue | 2004-05 Charles Edwards |
| 1985-86 Robin Craig | 2005-06 Ken Martin |
| 1987-88 Kevin MacDonald | 2006-07 Frederic Desjardins |
| 1988-89 Gerry Waselynychuk | 2007-08 Dwight Scott |
| 1989-90 Rino Levesque | 2008-09 Dan Boudreau |
| 1990-91 Gary Fahie | 2009-10 John Willden |
| 1991-92 Brien Storey | 2010-11 Robert McEwen |

Business Card advertising available in *Herring Choker*

Here's an opportunity to advertise your business in the *Herring Choker*. When we were mailing out printed newsletters, we were restricted to the four-page format, with the included 22 business card ads. Now that we are publishing only the electronic version, we have more flexibility in the layout, and are able to include additional ads.

If you wish to have your business card included in the monthly newsletter, send a digital file to Robert Hoadley (robert.hoadley@rogers.com). The cost is only \$100 per year, and this revenue will help subsidize the cost of our monthly meetings. Ads will begin in the January edition of the Choker.


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November Meeting Summary

Danny Suansing, Engineering Manager of Addison LLC, spoke about 100% Outside Air and Dehumidification Management Systems

The 100% Outside Air and Dehumidification Management is also referred to as a Make Up Air System. They operate continually during occupied mode supplying treated fresh air required as per ASHRAE Standard 62, thus replenishing the amount of air exhausted from the conditioned area.

The treated fresh air can be delivered to the return air system or it can be delivered direct to the space to be conditioned. If it is delivered to the return air, it may not require reheat and control is not critical. However if the treated fresh air is delivered direct to the room more precise control is necessary and reheat for control is required. As per ASHRAE Standards the treated fresh air must be delivered at the lowest dew point possible, typically between 68 to 72 deg F and below 70% RH.

Mr. Suansing proceeded to explain how this achieved and the various types of control that are possible. These include:

- Hot Gas Reheat in an on-off or cycling fashion
- Hot Gas Reheat in a modulating fashion
- Single Compressor system
- Single Compressor system with digital scroll compressor
- Dual Compressor system with Hot Gas Bypass & Hot Gas reheat
- Dual Compressor system with Hot Gas Bypass & hot gas reheat along with Liquid Sub-cooling circuit
- Dual Circuit system as above but with each circuit having two compressors in tandem thus making a 4stage control possible for larger systems
- Winter operation when the compressors don't run but use of direct fired furnace for heat

In addition he also touched upon the systems that are available to improve the EER by incorporating an Energy Conservation wheel in the unit which recovers energy from the exhaust air stream to the fresh air stream in both summer and winter. Improved EER of over 25 is possible in some water source heat pump applications.

For a copy of the Power Point Presentation in PDF format please email your request to:
devadason19@hotmail.com

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NB/PEI ASHRAE Chapter Meeting Schedule 2011/2012

December 13, 2011

Research Promotion Night

Topic: Christmas Party and Past Presidents Night

January 10, 2012

Topic: CRN Numbers for Natural Gas Installations

February 14, 2012

Topic: Investments and Tax Free Savings

March 13 2011

Membership Promotion Night

Topic: Speaker from Moncton Construction Association

April 10, 2012

Research Promotion Night

Topic: ASHRAE Distinguished Lecturer - To Be Announced

May 2-3, 2012

MEET SHOW

June 12, 2012

Topic: Alternative Energy

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 Energy Management Consultant
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