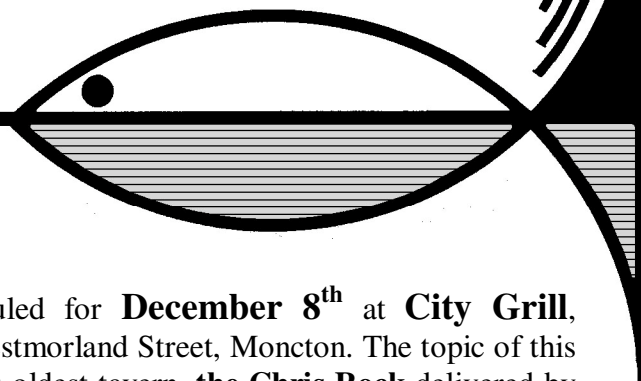


The Herring Choker

ASHRAE
NB PEI CHAPTER



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This month's meeting is scheduled for **December 8th** at **City Grill**, formerly Boomerangs, on 130 Westmorland Street, Moncton. The topic of this meeting will be New Brunswick's oldest tavern, **the Chris Rock** delivered by **Dwight Scott**. A social hour will begin at 5:00 PM with a cash bar, followed by the presentation at 6:00 PM and Dinner at 6:30 PM. The December meeting is **History Night**.

Mark **Tuesday, December 8th** on your calendar now, and bring that special someone along to help the NB/PEI Chapter wind up another successful fall season. Guests will have a chance to win some door prizes, and some special visitors will be in attendance. Hear some seasonal music you won't find in the malls. Everyone will receive a **complimentary drink**.

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 City Grill.

Biography – Dwight Scott

Dwight Scott has BScE (1964) and MScE (1968) degrees in Mechanical Engineering from UNB, as well as a BEd (1972). He retired from UNB in 2001, having spent 35 years at UNB and two years with ADI Limited. He was active with the American Society for Engineering, presenting a number of Effective Teaching Institutes in Canada and the USA.

While at UNB, Dwight was, at different times, Director of Undergraduate Studies in ME, Dean of Residence, Don of Bridges House, and Acting Associate Dean of Engineering. He has held various executive positions in the NB/PEI Chapter of ASHRAE and the Moncton Branch of the Association of Professional Engineers and Geoscientists of New Brunswick.

Many local ASHRAE members were once students of Dwight's. He has two sons, David, in Fredericton, and Darrell, in Calgary. He lives with his wife, Val Chongva, in Riverview.

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Summary of November's Meeting

The meeting was chaired by Dan Boudreau, vice president. The large attendance of more than 25 was gratifying. Following introductions, a \$500 cheque was presented to Chris Stevens, for his son, Jonathan, who is a first year student in Pharmacy at Memorial University. Jonathan was awarded the scholarship this year, an award which is given annually to a son or daughter of a chapter member.

Jim Thomas, of Refrigeration Services, Inc., paid a return visit to our chapter, with an updated review of "*Refrigerants: Current & Future Trends*". Various refrigerants are collected and shipped to the Refrigeration Services facility in Dartmouth, NS, where they are analyzed using a gas chromatograph. This identifies the fractions which can be separated for reuse. Surplus refrigerants are collected in 30,000 pound tanks for shipping to disposal facilities in Alberta or Texas, where they are incinerated.

A significant date is January 1, 2010, after which no new R-22 equipment can be manufactured or imported. Although the older CFCs were most damaging to the ozone layer, another concern for most common refrigerants is their global warming potential (GWP). For example, HFCs have GWPs of between 1500 and 3900. Most new refrigerants are blends which are patented by their manufacturers.

A new hydrofluoroolefin (HFO) refrigerant, which has a proposed ASHRAE designation of R-1234YF, has a GWP of only 4. It is, however, flammable, and has a proposed ASHRAE safety designation of A2. Other hazardous refrigerants include ammonia (B2), hydrocarbons (propane, butane, isobutene) (A3), and CO₂ (A1). All of these, plus the new HFO refrigerant, need to be used in central refrigeration plants with a secondary chilled liquid loop. WalMart is opening a Superstore in Burlington, ON, using a CO₂ refrigeration system.

The meeting was a designated Refrigeration Night. Jim Thomas' updated Power Point presentation is posted on the chapter web site. There are several photographs of the handling and testing of refrigerants, and a number of useful tables near the end of the slides, showing the various replacement options for older refrigerants.

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Chris Stevens accepting the scholarship on behalf of his son, Jonathan



Jim Thomas receiving thanks from chapter Vice-President Dan Boudreau

ASHRAE Jobs is the Society's Online employment resource

With an exceptionally difficult recruitment market, the ASHRAE Jobs Career Center has been averaging 55 active job postings per month and just over 5,000 monthly job seeking visitors. Recruiters are experiencing, on average, 12 online applications per job posting and have access to just over 1200 resumes that have posted its launch on June 15.

ASHRAE Jobs is not only about the hire. It is the path to a hire. By visiting www.ashraejobs.com, you can search for certain skill sets and demographics that you are "always looking for". It is the place to capture high performers you can use to replace underperformers. Is this the place to see if your competitors' people are out searching and interested in you. It is also the place to capture candidates for your Q1 hires because we are only 45 days away.

ASHRAE Jobs understands you do not want to be sold to. But you still have opportunities and problems, and may need a professional to discuss those with. That is what you can expect from ASHRAE Jobs: a no-strings-attached conversation where a representative listens and then makes recommendations whether they include ASHRAE Jobs or not. For more information, visit www.ashraejobs.com, call 888-482-2562 or e-mail John VonHarz at jvonharz@ashraejobs.com. An ASHRAE Jobs representative is available during business hours to discuss your firm's needs and make recommendations on next steps.

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NB/PEI ASHRAE Chapter Meeting Schedule 2009/2010

December 8, 2009

Past Presidents Night / History Night

Topic: Chris Rock Presentation / Christmas Party

January 12, 2010

Membership Promotion Night

Topic: Construction Professional Liability

February 9, 2010

Research Promotion Night / Refrigeration Night

Topic: Hydronics and Variable Speed Pumping

February 28, 2010

Social Event: Wildcats Game Night

March 9, 2010

Student Night

Topic: Instantaneous Water Heaters

April 13, 2009

Refrigeration Night

Topic: A Fundamental Perspective on Chilled Water Systems

May 5 & 6, 2010

Research Promotion Night / Membership Night

MEET 2010 Show

June 8, 2010

History Night

Lobster Party

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