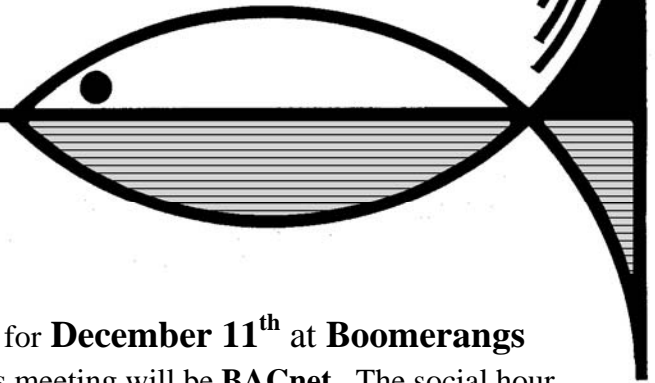




The Herring Choker

ASHRAE
NB PEI CHAPTER



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Newsletter:

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The October meeting is scheduled for **December 11th** at **Boomerangs Steak House**. The topic for this meeting will be **BACnet**. The social hour will begin at 5:00 PM with a cash bar. The presentation will follow at 6:00 PM. Diner will be served at 7:00 PM. The December meal will feature Boomerang's signature dinner plate, **Prime Rib of Beef**, at the regular meal price.

The Chapter will subsidize the extra cost. (As a reminder, dinner prices are as follows: new members, students and guests receive their first meal free; thereafter, students pay \$10 and others pay \$20.)

October's meeting is **History Night**.

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 Boomerangs.

ASHRAE Winter Meeting – New York

For anyone who is attending the ASHRAE Winter Meeting in New York City on January 22-24, 2008: Our Chapter president Dwight Scott has a number of complimentary passes for free show admission to the AHR EXPO, which is held concurrently. These will be available at the December 11th meeting, or by contacting Dwight Scott at dgscott@unb.ca.

ASHRAE NB/PEI Chapter – Night Out With The Cats

The ASHRAE NB/PEI Chapter would like to invite all chapter members and guests to attend a hockey game between the Moncton Wildcats and the Lewiston MAINEiacs on Saturday January 26th, 2008. Details are included in the registration form, which can be found on our website at www.ashraenbpei.com. The deadline for registration for this event is December 20, 2007. If you have any questions, please contact Dan Boudreau at (506) 858 1300 or by email at dboudreau@enerplan.com.

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Frédéric R. Desjardins,
P.Eng., LEED® AP
Mechanical Design Engineer

Toronto Winnipeg Vancouver Ottawa Moncton Saint John

December's speaker

The topic of the December meeting is BACnet and our Speaker will Wondy Tamene, P.Eng, Systems Sales Consultant for Honeywell Building Solutions (HBS).

Brief Bio:

Education and Professional Associations

- Addis Ababa University, B.Sc. in Electrical Engineering
- Professional Engineers Ontario – P.Eng.

Experience:

2007 – Present System Sales Consultant – Honeywell Building Solutions
2005 – 2007 Systems Designer – Honeywell Building Solutions (Solution Design Center – The Americas)
1999 – 2005 Project / Commissioning Engineer - DMS Controls/ Energy House
1997 – 1999 Installation and Service Engineer - Equatorial Business Group

Presentation Content:

- Fundamentals – standards, SSPC 135, BI & BTL, Plugfest
- Current – Status, BACnet conf report, membership levels and benefits
- Future – roadmap, Working Groups, application in work
- Value and Benefit
- Challenges – when does it fail

Scholarships

Each year, the NB/PEI Chapter awards scholarships to students at NBCC-SJ, NBCC-Moncton, Université de Moncton, University of New Brunswick, and a son or daughter of an ASHRAE member. For more details and an application form, please visit www.ashraenbpei.com.

L-R: ASHRAE member, Frank Callagan, presenting a \$500 scholarship to Bethany Chaisson. Bethany is a 1st year BSc student at the University of Prince Edward Island, and is the daughter of ASHRAE member, Frank Chaisson. This award is given annually to a son or daughter of an ASHRAE member. Bethany is the first recipient of this award from Prince Edward Island. The award was presented on October 2, 2007.



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Scholarships (cont.)

L-R: ASHRAE member, Douglas Scott, presenting a \$1000 scholarship to Robert Haynes, a 2nd year student in the Mechanical Engineering Technology Program (Buildings -- Energy and Environment Option) at the New Brunswick Community College Saint John Campus. Doug is an instructor at NBCC, and the faculty advisor for the ASHRAE NB/PEI Chapter Student Branch in Saint John. Robert is a student member of ASHRAE. The award was presented on November 2, 2007.



Summary of Nov 13, 2007 tour of Polycello

Our first tour of the year was hosted by Polycello (a Division of EPC), located in Amherst, NS. Polycello is a 200,000 sq ft plant that manufactures flexographic packaging. They produce polyethylene film and printing overwrap for the frozen food industry internationally.

Our guides, Louise, Pius, Frank and Stephen began the tour by dividing attendees into two groups. From there, we continued to several different areas such as: the converting room, extruder machines, the extrusion system, ink presses, ink room, graphics area and plate room. Initially, designs are set up by the graphics dept. There, they create several layered films that represent each color on a final flex film. The design is then flashed onto a gel like layer that contain microscopic pin holes that allow ink to squeeze through. These films are then wrapped onto steel round plates that require being air compressed fitted and placed into the ink presses. The ink presses are very large and are bought from Germany and shipped there. The ink presses receive specified inks that are channeled by pneumatics into the machines. From there, the ink is pressed onto the flexo film.

In a separate area, Polycello creates the film on site utilizing small polyethylene pellets that are moved via vacuum and controls systems into a large heating system called extrusion. Computer systems monitor the type, amount and speed that the pellets enter extrusion. They are heated in a temperature specific procedure that melts, stretches and spools the film through a four story roll system that is monitored by laser beams. This method requires great heat, exhaust air, compression, chillers and air handling systems. The film is then used in the ink presses.

Polycello is a very waste conscientious company. All excess cut film is vacuumed back into the extruder system where it is melted down and made back into a pellet form. A method easier viewed, than described. All glycol and solvents used to operate and clean the presses are pumped back into their waste management system where it is refined and ready to be moved.

All of the areas are integral to the final product. The environment is an amazing process to view from start to a finished product, and encompasses many areas of interest to the HVAC industry. Mechanical, plumbing, and electrical industries are interwoven into each other to produce an international product.

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Hydronic Cooling

An electronic version of September's presentation on Hydronic Cooling given by Jean Marie Breault, Ing., P.Eng of Upnor Ltd.'s is available on the Chapter website: www.ashraenpei.com.

NB/PEI ASHRAE Chapter Meeting Schedule 2007/2008

December 11, 2007

History Night

Topic: BACnet

January 8, 2008

Student Night

Duct Insulation

February 12, 2008

Research Promotion Night

Topic: Air/Air Heat Recovery

March 11, 2008

Membership Night

Topic: Humidification

April 8, 2008

Student Night

Topic: Distinguished Lecturer

April 16, 2008

ASHRAE WebCast

Topic: Integrated Building Design

May 7-8, 2008

MEET Show

Topic: Distinguished Lecturer

June 10, 2008

Technical tour

Location: Molson Brewery, Moncton



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