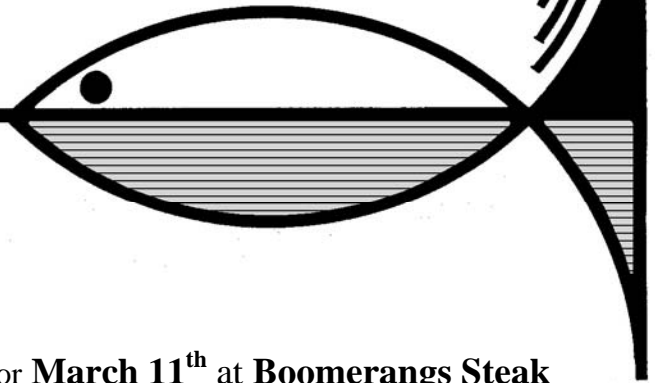




# The Herring Choker

**ASHRAE**  
NB PEI CHAPTER



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### **Historian:**

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#### **(Programs):**

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### **Board of Governors:**

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Camille Chevarie  
Damien Monk  
Charles Edwards  
Kenneth Martin

The March meeting is scheduled for **March 11<sup>th</sup>** at **Boomerangs Steak House**. The topic for this meeting will be **Humidification** and will be delivered by **Serge Landry**, Sales & Marketing Manager for Vapac Humidification. 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 March meeting is **Membership Promotion night**. Members who invite new potential members will receive their meal at half price, while the invited potential member will receive their meal for FREE.

## **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.

## **Employment Opportunities**

ASHRAE Chapter Members who wish to advertise *technical* openings in their firms are invited to provide an insert for inclusion with the *Herring Choker*. Simply provide 120 copies of letter-size notices to the newsletter editor. Advertisers are responsible for their own printing. The inserts will be included with the next mailing of the *Herring Choker* at no additional cost.

## **Green is the Color of Money DVD**

The NB/PEI Chapter has decided to purchase a documentary DVD to be used as teaching material for the local NBCC. "In the mid-sized city of Boise, Idaho, local developer Gary Christensen and his team use an integrated design approach to achieve the USGBC's LEED CS PLATINUM rating for this cutting edge high-performance office building." For more information, visit their website: [www.deepgreen.tv](http://www.deepgreen.tv).

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PRESIDENT

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

Toronto    Winnipeg    Vancouver    Ottawa    Moncton    Saint John

## March Meeting – Speaker information

### Scholarship:

- 1) Graduated from Ecole Polytechnique, Montreal in Mechanical Engineering
- 2) MBA degree from Ecole des HEC de Montreal, in Marketing

### Work Experience:

13 years of HVAC experience working for:

- 'Le Groupe Master' as a York representative
- 'Racan' as a McQuay representative
- 'Volcano' as a Marketing and Sales manager
- 'Vapac' as a Marketing and Sales manager

## Meeting Agenda

1. Why HUMIDIFY?
2. Typical Applications for humidifiers
3. Types of humidifiers
  - *Adiabatic*
  - *Isothermal*
4. Electrode Type Humidifiers
5. Resistance Type Humidifiers
6. Gas-Fired Type Humidifiers
7. Heat Exchanger Type Humidifiers
8. Steam Distributors
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10. Controls



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## Summary of February's Meeting

Eric Van Uytvanck of Venmar CES gave a most interesting talk on *Energy Recovery Technologies*. Once again, we were fortunate to share an impressive speaker with the Halifax Chapter, who had held their meeting on the previous night.

Eric made a strong case for energy recovery on the basis of rising energy costs, IAQ, liability issues and new standards and codes. He briefly discussed ASHRAE Proposed Standard 189.1P, a Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings. It uses ASHRAE Standard 90.1-2007 as a baseline. He also reviewed the LEED green building rating system.

Following this introduction, Eric described the several types of energy recovery equipment available, and their characteristics. He had brought various samples of equipment to illustrate his talk.

1. **Air-to-Air Plate Heat Exchangers:** sensible efficiencies of 50%-70%; can also provide latent heat recovery if a polymeric membrane is used.
2. **Heat Pipe Exchangers:** sensible efficiencies of 45%-50%. Mostly used in process applications where 0% contamination is required.
3. **Energy Wheels:** 65%-80% efficient (sensible plus latent). Desiccants are used for latent transfer, either with molecular sieves or silica gel. Contamination between air streams may be combated through use of a purge section, and by paying attention to the fan(s) location.

A number of questions were posed to assist the designer and client to reach agreement on the appropriate energy recovery technology. The ARI on-line directory of products and components was introduced, and the certification process was outlined. ASHRAE and LEED are taking a dominant role in increased energy efficiency, as market requirements are pushing toward full commercialization of energy recovery technology.

The complete set of Eric Van Uytvanck's Power Point slides may be viewed on the Chapter web site at <http://www.ashraenbpei.com>.

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**NB/PEI ASHRAE Chapter Meeting Schedule 2007/2008**

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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