



# THE HERRING CHOKER

## ASHRAE

NB PEI CHAPTER



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### **September 2016 Issue**

## **Next Meeting – Student Night Tuesday September 13th, 2016**

Location: **Alma City Club**  
**114 Alma St, Moncton**  
Parking is Available

### **Executive Meeting Notice**

All members of the Board of Governors, Committee Chairpersons and the Executive are reminded that the executive meeting begins at 4:00 PM Tuesday September 13th, 2016 at the Alma City Club.

### **September 13<sup>th</sup> Meeting Agenda**

**4:00 pm** – Board of Governors Meeting

**5:00 pm** – Social Hour

**6:00 pm** - Technical Presentation: Air Curtains: Energy Savings & Occupant Comfort with Stephen J. Benes.

**7:00 pm** – Supper will be a starter of Cauliflower Soup, and Honey Ginger Glazed Salmon with Basmati Rice & Fresh Vegetables, Dessert, Coffee & Tea

**Members - \$25.00**

**Non-Members - \$35.00**

**Students - \$10.00**

New Members/Students receive a complimentary first meal with ASHRAE NB/PEI.

**Please RSVP meal at:** [treasurerashraenbpei@gmail.com](mailto:treasurerashraenbpei@gmail.com)

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**Robert McEwen, P.Eng.**  
Mechanical Design Engineer  
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## Introduction to Our Speaker

**Stephen J. Benes** has been regional sales manager with Berner International for 20 years and in the HVAC industry for over 30, once handling the entire Canadian market, 27 U.S. states and several international countries for Berner. Currently oversees the Commercial / Industrial, Material Handling, Dock / Door and Food service distribution channels, as well as managing several OEM accounts in a territory Strategically applied across North America. Stephen is responsible for The promotion and training of Berners' manufacturers sale agent's on new product lines, codes and applications. He conducts online webinars and personal lunch and learns to Architects, Food Service consultants, Mechanical Engineers as well as Contractors and Dock and Door installation companies across North America. Stephen has been featured in several business magazines over the years relating to energy savings and code compliance. Stephen has a B.S. in Business Administration & Economics from Waynesburg University, Waynesburg, PA.



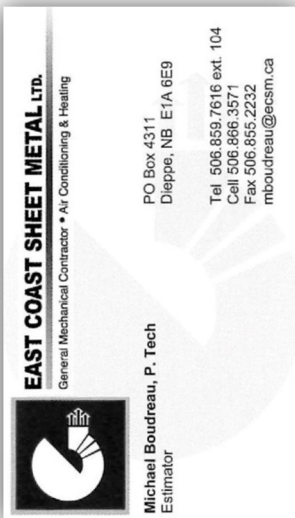
## Presentation Abstract

### “Air Curtains: Energy Savings & Occupant Comfort”

Provides an overview of how air curtains contribute to occupant comfort, energy efficiency, and indoor air quality when the door is open. Discusses how air curtains work, applications, controls, and how to select and install. Reviews how air curtains improve whole building energy efficiency versus conventional methods.



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## **LeaDRS Summer Conference Experience Report**

### **June 24 – 30, 2016 St. Louis, Missouri**

#### **By: Sharlene Innes**

Attending the leaDRS program at the Summer Conference 2016 in St. Louis Missouri helped me to place our Chapter operations into context of the inner workings of a worldwide society. The positive and energetic vibe of the conference was contagious, and inspired me about my upcoming year as Chapter President (NB/PEI, Region II).

The six day conference encompassed a wide variety of options for learning and networking ranging from Society meetings, technical programs, technical committees, technical papers to social events.

Both of the DRC meetings I attended were an informal way for the DRC's to discuss challenges, and toss around ideas for solutions and share what works best. They also discussed different approaches to get creative ideas flowing and be more efficient in gathering and sharing this information.

During the Planning Committee I gained an understanding of the international impact ASHRAE is having as I listened to different discussions regarding challenges abroad and here in North America. Input from RAL and Region XIII sparked a healthy discussion with those in attendance.

After attending a Members Council meeting, it was easier to understand how motions prepared at CRC's move forward for final vote at Society, through the DRC Board meeting, and then the Members Council. For me, this brings more context to the motions that will be presented at the upcoming CRC.

At the PEAC, the President Elect began to lay out his term and what was to be achieved during that time. Direction and planning to implement his ideas started with the aid of the committee and Staff.

It was impressive to see this process take place.



## LeaDRS Summer Conference Experience Report - Continued -

I was able to sit in on various committee meetings; Government Grassroots Advocacy, Young Engineers of ASHRAE, Student Activities, Research Promotion, and Electronic Communication. Hearing some of the challenges faced at this level due to Chapter's not performing their jobs well made me aware of how Chapter Operations affect the bigger picture. I also attended a portion of the Conference and Expositions Committee meeting as well where I gained a better understanding of how far in advance it takes to plan for a Society meeting.

From a networking outlook there were many activities to involve myself in. At the Host Reception I was able to meet many of the Board members, including Sheila Hayter (VP) and Joyce Abrams (staff) along with Ginger Scoggins (VP) and give them a bit of east coast welcome before their arrival in August for our CRC. Subsequently, at the Welcome Party at the Missouri History Museum was another opportunity to meet many others involved in Society, as was the case with the Executive Hospitality Suite, President's Luncheon and Members' Night Out.

An important aspect of my experience was that I connected with a few other women from the leaDRS program early on in the conference, which enhanced the experience and allowed me to meet and interact with their DRC's as well. It was a fantastic opportunity to talk about what we found interesting as the conference progressed; what we found useful to us and could carry forward. Our discussions resulted in me attending some meetings I may have otherwise shied away from.

There was no lack of interesting events to fill my time when not shadowing Doug. I attended many technical presentations, as well as a Fellow's debate, and a presentation on the ethics of different building professionals.

Networking, industry contacts, personal and professional development were all invaluable items I walked away with from this experience. It has motivated me for this year's challenges as chapter President and to be the host Chapter for the Region II CRC.





## LeaDRS Summer Conference Experience Report - Continued -

Under the guidance of our DRC Doug, I gained valuable knowledge of ASHRAE at Regional and Society levels. Many introductions were made, as Doug brought me into the folds of ASHRAE as an international entity. The energy and tone of the event, was fueled by the passion and loyalty of the individuals in the rooms. Their intensity during discussions, to ensure the membership ultimately was the beneficiary of all decisions, was always apparent, and inspiring.

This tremendous opportunity, afforded to me by Audrey our YRC, and Doug our DRC, has inspired me to continue my work with ASHRAE outside of Chapter level operations. I've recently signed up as a Provisional Corresponding Member of TC 1.6.

It is essential to have two programs, one being Leadership U, for YEA's and an additional program for all ages, leaDRS. We all are the future of ASHRAE, and would all benefit from experiences such as the one I've now had.


Thank you very much.

Sharlene

## Energy Labels for Homes

**President Elect Rob Hoadley** appeared before the legislature's select committee on climate change in Fredericton on September 8th to make recommendations on establishing regulations for the energy efficiency of homes in New Brunswick and on adopting the latest National Energy Code. Please follow this link to read a summery posted by CBC:

<http://www.cbc.ca/news/canada/new-brunswick/climate-change-committee-fredericton-1.3752844>




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## Recap of Tour of Grimross Brewing Co.

On March 8th 2016, ASHRAE members were invited to go for a tour of the Grimross Microbrewery in Fredericton. On behalf of everyone, I would like to thank Stephen Dixon and his wife, Dawn, for the wonderful event. As a new student ASHRAE member, this was a great way for me to learn about the process of making beer and to meet and create contacts with other ASHRAE members. Here is a little text describing what I learned during the tour and how it related to my studies in mechanical engineering.

Grimross is a small brewery that was opened almost three years ago. The brewery is operated by three employees, one being part time. Their beer is made from scratch and they describe it as Belgian. Having tasted a couple of beer samples during the tour, it was very easy to see why Grimross is successful. The Cheval D'Or (5.2%) is one of their best sellers.

Beer is a beverage that requires a few ingredients. Malt, water, sugar, hops, yeast, CO2 and ethanol are all ingredients used during the process of making beer. First, the malt is soaked in hot water to release the malt sugars. Then, the malt sugar solution is boiled with hops for seasoning. The solution is cooled and yeast is added to ferment the sugars, releasing CO2 and ethanol. After this process is done, more sugar is added and the beer is complete. Depending on the type of beer that is being made, the brewing process can take a good six hours.

Grimross gets their malt and their yeast from different places in the world in order to give their beers the best taste possible. For example, they get malt and yeast from Belgium for all their Belgian beers. There is no better way to create a Belgian beer than to use ingredients coming from the country itself. The same goes for the American beers Grimross make, all the malt and all the yeast comes from North-America.

All the steps in beer making are done using mechanical equipment such as boilers, heat exchangers, vessels, valves and more. In school, we get to calculate the flow and the speed of a fluid moving in different kinds of pipes, we get to calculate heat transfers through heat exchangers and we get to calculate the pressure losses through systems, but we never get to see the systems operate in real life. As a student, this was a great way for me to get a visual aspect of what we learn in school.

Finally, I would like to say a big thank you, once again, to everyone at Grimross Brewery for the awesome tour!

Sincerely,  
Denis Melanson, Mechanical Engineering Co-op Student  
Université de Moncton - ASHRAE Member



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## 2016-2017 Schedule

- September 13<sup>th</sup> :** Topic: Air curtains  
Theme: Student Night
- October 10<sup>th</sup> :** Topic: Geothermal  
Theme: Sustainability Night
- November 8<sup>th</sup> :** Topic: Water Sourced VRF Systems  
Theme: Refrigeration Night
- December 13<sup>th</sup> :** Topic: Finances / Taxes  
Theme: Past Presidents Night / Research Promotion Night
- January 10<sup>th</sup> :** Topic: Cooling Tower Technology  
Theme: TBD
- February 7<sup>th</sup> :** Topic: Canada Bread  
Theme: Technical Tour
- March 14<sup>th</sup> :** Topic: BACnet Networking Systems  
Theme: TBD
- April 11<sup>th</sup> :** Topic: Legionella and ASHRAE Standard 188-2015  
Theme: Distinguished Lecturer
- May 9<sup>th</sup> :** Topic: Humidifiers  
Theme:
- June 13<sup>th</sup> :** Topic: TBD  
Theme: Membership Promotion

## Business Card Advertising Renewal for the 2016-2017 Year

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