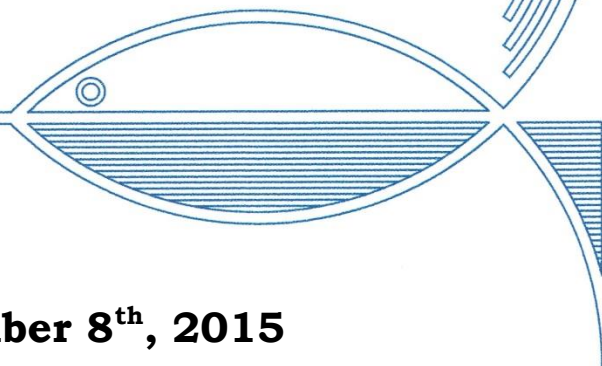


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Camille Chevarie, Luc Dugas,
Matthew Peachman, Ryan Gosson,
Daniel El-Khoury

September 2015 Issue

Next Meeting

Tuesday September 8th, 2015

Location: Moncton Elks Club Lodge

12 Weldon Street, Moncton, N.B. E1C 5V8

Parking: Elks Club parking lot

(Coin Cabinet is option)

Executive Meeting Notice

All members of the Board of Governors, Committee Chairpersons and the Executive are reminded that the executive meeting begins at 3:30 PM at the Moncton Elks Club.

Meeting Agenda

4:00 pm – Board of Governors Meeting (all are welcome)

5:00 pm – Reception with cash bar

6:00 pm – Presentation: Acoustics and Vibration
with David Aquilina, P.Eng

7:00 pm – Dinner

Presentation Abstract

Unwanted noise emanating from HVAC systems is becoming a greater factor in achieving occupant comfort and satisfaction. Successfully achieving this acoustic comfort requires understanding and analysis from the design Engineer, along with proper selection and integration of noise control products, to produce a well-working HVAC system.

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Introduction to our speaker

David Aquilina, P.Eng., has spent over 9 years in the noise control sector, covering such roles a laboratory product testing, Computational Fluid Dynamics, silencer design and development, along with integrated noise control system design ranging from commercial to heavy industrial projects. He has extensive knowledge of, and experience with, the behaviour and performance of duct silencers.

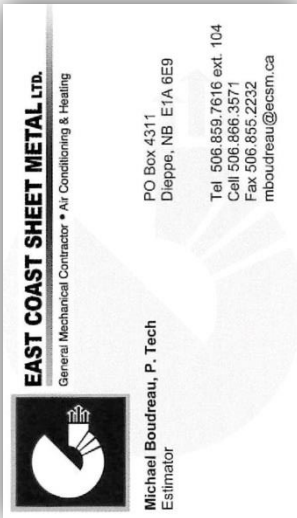
In addition to his time in noise control, David has spent 5 years in the consulting sector, designing HVAC engineered systems and Specification writing. In his current role at Kinetics Noise Control, Inc., David's responsibilities entail Product design and development, as well as custom noise control system design.



"Cleaning Up"

The final meeting of the 2014-2015 year was a technical tour of the Greater Moncton Sewerage Commission in Riverview. Following an overview of the process in the Operations Building, the group was split into two for the tour. The buildings are interconnected by service tunnels which link underground equipment rooms and allow access to all parts of the facility. Other features were noted:

- Sanitary sewage is collected from Moncton, Dieppe and Riverview, with a large tunnel passing under the river.
- A pumping station, located some 30 metres below ground, pumps the collected sewage to the inlet building where it passes through bar screens and then to aerated grit chambers.
- It then flows to three settling tanks (clarifiers) which allow suspended particles to settle to the bottom and the outfall is discharged to an outfall located downstream in the Petitcodiac River.
- Meanwhile, liquid sludge from the clarifiers is dewatered in centrifuges and after lime stabilization, the biosolids are suitable for use as a soil additive.



R. Glendon (Glen) Cowan, P.Eng.,

was one of the chapter's Board of Governors when the NB/PEI Chapter of ASHRAE was chartered on October 13th, 1973. A retired consulting engineer, his career spanned over 50 years. He passed away on July 19, 2015.

Two of his sons, Andrew and David, have also held executive positions within the chapter at various times.



R.G. COWAN

Glen Cowan Memorial Scholarship

Eligibility:

A high school graduate who is the immediate family member of a Chapter Member in good standing and who is enrolled in a University or Community College program. Consideration will also be given to students who are already enrolled and are continuing a University or community College program.

Selection Criteria:

Academic results, financial need and extra-curricular activities

Amount:

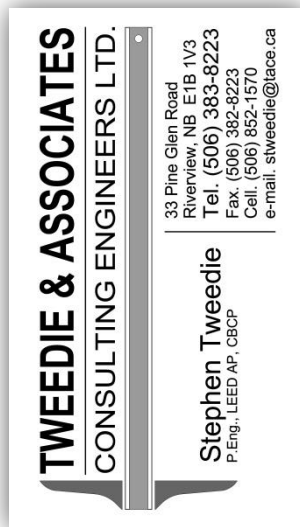
\$1,000

Application Process:

An application form may be downloaded from the chapter's website under the `Forms` tab, or can be received by contacting any member of the Chapter Executive Committee.

Deadline for receipt of applications:

March 1st



ASHRAE GOLF TOURNAMENT REPORT July 31, 2015

We fielded 15 teams of golfers (60 golfers) who played at the world renowned Moncton Golf & Country Club.

The weather was a balmy 30°C which made for an excellent afternoon.

Jim Morris and Terry Weir from McLeod & Grant ran the lunch barbeque which was sponsored by A. O. Smith. The barbeque raised \$326.00 for Junior Golf.

The winning teams, Yes, two teams tied for an amazing – 11 score but without the use of computers or calculators.

NB Low Team – Glen Close, Dave Cowan, Neil Black, Ryan Reid

NS Low Team – Victor Belliveau, Josh Bushie, Peter Melnyk, Scott Moore

The Longest Drive was by Josh Bushie

Closest to the pin was Victor Belliveau

The dinner featured a 2 lb. lobster and a 1 lb. steak with all the trimming. Jim Morris ran the kitchen.

After supper Luc Dugas' prize bags were presented to all the golf teams.

Unfortunately, the Ashrae members from Nova Scotia could not field a team of four for the annual boat race, so the New Brunswick / PEI Chapter were declared the winners.

Special thanks to the following members who volunteered their time before, during and after the golf tournament:

- Jim Morris – McLeod and Grant
- Terry Weir – McLeod and Grant
- Luc Dugas – MCW Maricor
- Jennifer Chapman – Aquavap Indotec



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ASHRAE GOLF TOURNAMENT Hole Sponsors

A special thanks to all the companies who sponsored holes in this year of economic recovery:

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Scouts Canada Tree Planting

ASHRAE NB/PEI sponsored Riverview Scouts to plant apple trees as part of Scouts Canada's sustainable communities' initiative. These two apple trees (Below) were planted in Riverview's Riverfront Park on 21 June 2015.



Photo provided by Riverview 4th Scout Troop

Volunteers Needed for 2016 ASHRAE Chapter Regional Conference

The NB/PEI Chapter will be hosting the ASHRAE Region II CRC (Chapter Regional Conference) in late August 2016.

This annual event brings together ASHRAE members from across Ontario, Quebec, and the Maritimes. We are now beginning to organize for this event and require organizational volunteers, CRC volunteers, and ideas from Chapter members on how to make the 2016 Conference unforgettable for our many guests.

Please contact our **CRC 2016 General Chair Dan Boudreau** to find out how you can help make this a great success!



Tentative 2015-2016 Schedule

September 8: Acoustics and Vibration, featuring David Aqualina of Vibron

October 13: Building Information Modeling

November: Whisky Distillation Guest Lecture in Fredericton, featuring Prof. David Innes

November 10: CSA B52, ASHRAE 15, and Refrigerant Safety, featuring Brad Matheson of Enertrak

December 8: Christmas Social Meeting, with guest speaker Ellen Tucker on Travel Trends

January 12 : Specifying BACNet Systems with guest speaker Andrew Lavoie of MCW

January 23-27: 2016 ASHRAE Winter Conference in Orlando, FL

February 9: TBA

February 21: Afternoon with the Cats, Moncton Wildcats game social event

March 8: TBA

April 12: ASHRAE Distinguished Lecturer Stephen Hamstra

May 18-19: MEET Show in Moncton, NB
 June: TBA

June 25-29: 2016 ASHRAE Annual Conference in St Louis, MO

August 26-28: 2016 ASHRAE Region II Chapter Regional Conference in Moncton, NB

ASHRAE NB/PEI TO HOST WHISKY DISTILLATION LECTURE

The 20th Annual New Brunswick Spirits Festival will take place November 17-21 in Fredericton. To help ASHRAE members get into the spirit of the festival, ASHRAE will be hosting a lecture by retired UNB civil engineering professor David Innes on the whisky distillation process. Prof. Innes is a member of the local whisky society, and has travelled to several distilleries in Scotland to learn and witness whisky distillation techniques. The lecture will take place on an evening to be announced in early November. We would ask any interested members to send an RSVP to Chapter CTC Chair Rob Hoadley at:

robert.hoadley@rogers.com so we can determine room and refreshment requirements.

More information on the Spirits Festival can be found at www.whiskynb.ca

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Summary of the 2015 ASHRAE Chapters Regional Conference (CRC) Region II Hamilton Ontario



Above: Matthew Peachman (BOG), Sharlene Innes (PE), Dan El-Khoury (BOG), Eric Leblanc (President), Mike Boudreau (VP, RP), CRC 2015, Hamilton, ON attending the CRC Friday night welcome party & network.

August 21, 22 and 23 kept some of our membership busy at the Chapters Regional Conference hosted by the Hamilton Chapter. Attending from the NB/PEI Chapter were:

- Eric Leblanc (President)
- Sharlene Innes (President Elect)
- Mike Boudreau (Vice President/Research Promotion Chair)
- Dwight Scott (Past President, Membership Chair)
- Matthew Peachman (Board of Governors)
- Daniel El-Khoury (Board of Governors)

All Nine Chapters had Delegates, Alternates and Regional ASHRAE Vice Chairs present for the meetings. The Society Officers in attendance were; Jeff Littleton (Executive Vice President), James Vallort (Vice President), and Patricia Graef (Vice President).

Friday began with Orientation and Welcoming. Business meetings and a Caucus Session followed which kept the Delegates and Alternates busy all day Friday.

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CRC Continued...

Other attendees participated in the **Technical Tour of the FirstOntario Centre's** Chiller Room, Mechanical Room and Rink. The Hamilton Chapter took roughly 15 ASHRAE CRC attendees to visit the rink which was originally named Copps Coliseum. Built in 1985 the FirstOntario Centre houses a NHL size hockey rink. It can seat 17,383 people for a hockey game and 19,000 for a concert.

In 2014, a brand new NHL spec Ammonia refrigeration plant was installed in a new location in the building, to replace the rink's aging ice plant. The new ice plant offers a heat recovery option which uses Glycol Heat Exchangers. The building also has the ability to provide cooling/heating to a few nearby buildings.

We were able to visit the large Fan Rooms that supply fresh air to the building and also the large cooling towers located on the roof. During our visit, workers were preparing to install the ice surface for this coming hockey season.



Above: Dwight Scott (MP) Networking, CRC 2015, Hamilton, ON

Saturday was filled with business meetings and the second session of Caucus for the Delegates & Alternates. The CTTC workshop began Saturday morning after the business meetings and continued in the afternoon; it was attended by Matthew Peachman for our Chapter. Daniel El-Khoury represented our Chapter at the Young Engineers of ASHRAE (YEA) workshop held Saturday afternoon. Also held Saturday afternoon was the Research Promotion and Membership workshops which were attended by Mike Boudreau and Dwight Scott respectively.



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CRC Continued...

The Presidential Working Lunch on Saturday was for all attendees where James Vallort stood in for Society President Doug Underwood (Canadian) delivering the Presidential Theme, "Making Connections". Doug's address can be found at: <https://www.ashrae.org/society-groups/meet-the-board/2015-2016-bod>

The Awards Luncheon on Saturday saw the **NB/PEI Chapter bringing home awards for Research Promotion**, thanks to Robert Hoadley's efforts during 2014-15 as Research Promotion Chair for our Chapter. **Congrats Rob!**

Saturday evening was supper at the Hamilton Tigercats Stadium and more networking. This was followed by either a team building exercise of "Bubble Soccer" on one half of the field, or some football passing at the other end.



Sunday morning was more business meetings, however due to limited flight schedules, the NB/PEI attendees had to leave before the meetings finished.

All members came back with a good understanding of their responsibilities in the upcoming year. New BOG members were provided a more in-depth look at Chapter Operations as well as filling in for some of the Board Members that could not attend the Regional Training.

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For more information contact the Herring Choker editor at: editorashraenbpei@gmail.com

Cost: \$100 for all issues for this year (until June 30, 2016)



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