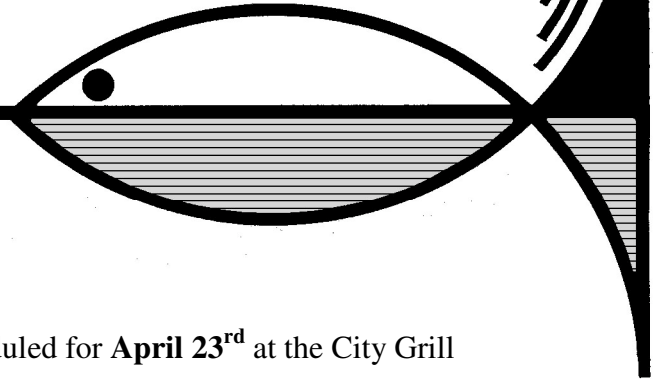


# The Herring Choker

**ASHRAE**  
NB PEI CHAPTER



## 2012-2013 Executive

### **President:**

Dwight Scott  
(506) 204-2820

### **President Elect:**

Camille Chevarie  
(506) 857-8708

### **Vice-President:**

Kevin Clannon  
(506) 382-8625

### **Treasurer:**

Frédéric Bernard  
(506) 857-8880

### **Secretary:**

Sharlene Innes  
(506) 857-8788

### **Membership:**

Dan Boudreau  
(506) 857-8880

### **Research Promotion:**

Rob Hoadley  
(506) 459-3940

### **Student Activities:**

John Willden  
(506) 856-2215

### **Historian:**

David Samuel  
(506) 204-5922

### **CTTC Chair (Programs):**

Yves Savoie  
(506) 858-1300

### **Newsletter/Website:**

Jennifer Chapman  
(506) 857-8788

### **YEA Coordinator:**

Kevin Leger  
(506) 859-7616

### **Board of Governors:**

Mike Boudreau  
Mathieu Breau  
Luc Dugas  
Devin Harinarine  
Eric Leblanc  
Ken Martin  
Robert McEwen  
Christopher Sanderson

The next Chapter meeting is scheduled for **April 23<sup>rd</sup>** at the City Grill (130 Westmorland St, Moncton).

This month's meeting will feature a presentation by ASHRAE Distinguished Lecturer Hoy Bohanon, PE, LEED AP. Hoy will be speaking on Commissioning Energy Recovery Equipment.

A Social hour will begin at 5:00 PM with a cash bar, followed by the presentation at 6:00 PM and Dinner at 7:00 PM.

## **Executive Meeting Notice**

A reminder to the Executive, Board of Governors, and the Committee Chairpersons that the Executive meeting will start at 4:00 PM at the City Grill.

## **ASHRAE Distinguished Lecturer to Visit Moncton**



Representing:  
Baltimore Aircoil of Canada  
Division of Baltimore Aircoil Interamerican Corporation

**GERRY WASELYNCHUK**  
PRESIDENT

**Aquavap Indotec Agencies (NB) Inc.**  
120 RIDEOUT STREET  
MONCTON, NEW BRUNSWICK E1E 1E2  
VOICE: (506) 857-8744  
FAX: (506) 857-8890  
e-mail: gerry@aquavapgroup.ca




**Atlantica Mechanical**  
CONTRACTORS INC.

**Ken Martin**  
Project Manager

290 Baig Blvd. Unit B5  
Moncton, N.B. E1E 1C8  
Tel: (506) 384-3425  
Cell: (506) 227-3734  
Fax: (506) 384-0495  
e-mail: kmartin@atlanticamechanical.ca




**MCW**  
**Maricor**  
A Division of MCW Consultants Ltd.

**Robert McEwen, P.Eng.**  
Mechanical Design Engineer

77 Vaughan Harvey Blvd., Suite 200  
Moncton, New Brunswick, E1C 0K2  
Telephone: (506) 857-8880  
Cell: (506) 874-8042  
Facsimile: (506) 859-8383  
E-mail: rmcewen@mcw.com  
Internet: www.mcw.com

Moncton Saint John Halifax Truro Toronto Winnipeg Vancouver

## Abstract: Commissioning Energy Recovery Equipment

How does one commission energy savings equipment such as air-to-air energy recovery? What are key performance factors that must be measured? When can you simulate and when must you measure? Devices addressed include air-to-air energy recovery plates and wheels, desiccants, run around loops, and water-side economizers. Issues with solar energy, geothermal, and wind will be discussed.

## Speaker's Biography:

Hoy Bohanon, PE, LEED AP, is director of the Carolinas region of WorkingBuildings. WorkingBuildings is a professional services firm whose primary service offering is commissioning for high performance buildings. Mr. Bohanon began his engineering career as a research and design engineer, and then gained experience as a project engineer, facilities engineer, facilities manager, indoor air quality research engineer, environmental engineer, and business owner. He has a master's degree in engineering from North Carolina State University, and a bachelor's degree in mechanical engineering from Georgia Institute of Technology.

Mr. Bohanon has written technical papers and articles on indoor air quality, operations, and maintenance and is a frequent presenter at technical society meetings. A recipient of ASHRAE's Distinguished Service Award, he is a member of several ASHRAE and ISO committees, and a member of the USGBC

## SUMMARY OF MARCH 2013 TECHNICAL TOUR OF HEAD HALL'S ENERGY RETROFIT AT UNB:

The March meeting was a Technical Tour of the Head Hall Energy Retrofit carried out in 2012. The Technical Tour was attended by over 70 participants comprising ASHRAE Members, APEGNB Fredericton Branch members, NBCC Fredericton Building Systems Technology Students and Instructors, UNB Students and staff, NBCC Moncton students and members from CFB, Gagetown.

**SCAN AIR BALANCE 1998 LTD.**  
Certified Member AABC

**HVAC**  
Air & Water Balancing • Duct Leakage Testing

**MEDARD LEBLANC**


50 Driscoll Crescent, Suite 200  
Moncton, N.B. E1E 3R8  
Tel: (506) 857-9100  
Fax: (506) 857-1719  
scanair@nb.aibn.com




**Hatch Mott MacDonald**

**Camille Chevarie, P.Eng.**  
Senior Project Engineer

50 Cameron Street  
Moncton, NB E1C 9A9 Canada  
T 506.857.8708 F 506.857.8989  
camille.chevarie@hatchmott.com



**Victaulic**

**Brad McAllister**  
Sales Representative

155 Canaan Drive, Suite #411  
Dieppe, NB E1A 0W4  
bmcallister@victaulic.com

Cust. Service: 1.877.426.3500  
Fax: 506.384.3617  
Cell: 506.875.3352



**TWEEDIE & ASSOCIATES**  
CONSULTING ENGINEERS LTD.

Stephen Tweedie  
P. Eng., LEED AP, CBCP

33 Pine Glen Road  
Riverview, NB E1B 1V3  
Tel. (506) 383-8223  
Fax. (506) 382-8223  
Cell. (506) 852-1570  
e-mail. stweedie@tace.ca

**PEERLESS CONSULTING LTD.**

François Thériault, P.Eng., LEED AP

Tel: (506) 387-3083 Fax: (506) 387-3089  
E-Mail: Francois.Theriault@nb.abn.com  
www.peerlessconsultingltd.com  
106 HILLSBOROUGH ROAD, RIVERVIEW, N.B. E1B 1R3

chantal.daigle-verrier@exp.com  
t. 1-506-858-1300 x8293  
40 Henri Dunant Street  
Moncton, NB E1E 1E5  
CANADA

**exp.**

Chantal Daigle Verrier, P.Eng., LEED AP, CMVP  
Manager | Energy Practice | Moncton

The presenters were:

1. Tom Gilmore, Energy Manager, UNBF
2. Brent Godbout, Efficiency New Brunswick
3. Tim Cross, UNB Energy Coordinator and
4. Carmen Travis, Partner, MCW Maricor
5. Bruce Good, UNB HVAC Supervisor

The presentations started with:

- An overview of UNB's Energy Management Program which has been ongoing from 1996
- UNB's success in leveraging incentive programs and Energy Awards
- Overview of the Head Hall Retrofit and savings realized
- Live Demo of EMS

This was followed by the guided tours of the following areas:

- Chiller Plant – Replacing old inefficient Reciprocating systems with new energy efficient Turbocor Compressor chiller with a high COP and Oil Free Magnetic Levitation bearings
- Corridors and Class Rooms where Full Lighting retrofit have been carried out
- Server Room on Level D where the two old multi-zone AHU's were converted to one multi-zone VAV. The old system used to provide hot and cold air streams which were then mixed according to need thus wasting energy. Now they provide only heating or cooling as required.
- Roof Level to view the New Energy Recovery System and improved lab exhaust (an OHS issue)
- Energy Recovery Ventilation for minimum fresh air – two systems

The University of New Brunswick uses an energy management (EM) program to project cost avoidance, measure savings and to remotely control equipment status and settings.

In 2012, Efficiency New Brunswick selected UNB's Head Hall complex energy retrofit as the Outstanding Energy Efficient Project - Commercial

If you wish to have a pdf. copy of the Power Point Presentations, please email your requests to [samuelabu@rogers.com](mailto:samuelabu@rogers.com)

**Master**  
REFRIGERATION | HEATING | AIR CONDITIONING

Kevin Clannon, CET  
Senior Applied Sales  
Specialized Equipment  
kclannon@master.ca

The Master Group L.P.  
186, Dieppe blvd.  
Dieppe (N.B.)  
E1A 6P8

T 506.382.8625  
C 506.875.0675  
F 506.382.8626  
1 888 577.8625  
www.master.ca

**xylem**  
Let's Solve Water

Bill Hooper, C.E.T.  
Market Development Manager  
Residential and HVAC  
Residential and Commercial Water

Xylem  
87 Auburn Way, Quispamsis, NB, E2E 5C3 Canada  
Office 506 849 0334  
1 888 488 4033  
Fax 506 649 8485  
Cell 506 643 1554  
bill.hooper@xyleminc.com

**SCD S.C. DELONG**  
Sales Inc.

Stephen DeLong


15 Henry Lorne Dr., Lower Coverdale, N.B., E1J 1C4  
Tel: 506-387-4412 • Fax: 506-387-4942



**David Samuel, P.Eng**  
Regional Sales Manager

t. 613.544.2200  
f. 613.544.7779  
c. 506.962.1163  
dsamuel@directcoil.com

5055 Taylor Kidd Blvd.  
P.O. Box 430  
Millhaven, ON K0H 1G0  
www.directcoil.com



**MacLeod and Grant Limited**  
Commercial - Industrial Heating Systems  
www.macleodandgrant.com

**D.J. (Jim) Morris**

P.O. Box 121, Moncton, NB, E1C 8T1  
451 Paul St., #213  
Dieppe, NB E1A 6W8

Tel. (506) 383-3151  
Fax. (506) 388-1927  
E-mail: jmorris@macleodandgrant.com

**Joey Parent**  
District Sales Manager- Atlantic Sales District



Viega  
Plumbing and Heating Systems

331 Elmwood Drive  
Unit 4-Suite 132  
Moncton, NB E1A 7Y1

Tel: 902-442-8652  
Cell: 506-962-7221  
Fax: 902-442-8651  
E-mail: joeyparent@viega.com  
www.viega.com



( L – R ): Tom Gilmore, UNB Energy Manager; Carman Travis, MCW Maricor –consultants;  
Tim Cross, UNB Energy Management; Brent Godbout, Efficiency New Brunswick; Dwight  
Scott, President, ASHRAE NB/PEI Chapter; Bruce Good, UNB HVAC Supervisor.

View the various photographs taken by John Willden on our chapter's new website.



**We are excited to announce the launch of our NEW CHAPTER WEBSITE!!!**



**[www.ashraenbpei.com](http://www.ashraenbpei.com)**





**Brian Dutt, MBA / CEM**  
President  
Head Office  
  
Office (506) 874-4043  
bdutt@controlsequipment.com  
controlsequipment.com

## J.F. Taylor Enterprises Ltd.

Manufacturer's Agents for  
Plumbing, Heating &  
Humidification



Andrew G. Campbell - Owner  
Barry Marchand - Owner

Proudly Serving Atlantic Canada

170 Millennium Blvd  
Moncton, N.B.  
E1E-2G8

Phone : (506)-389-3739  
Fax : (506)-856-5972

VISIT OUR WEBSITE: [WWW.JFTAYLOR.CA](http://WWW.JFTAYLOR.CA)



**Andrew Williamson**  
Sales Engineer

**TRANE**

**Atlantic Division**  
120 McDonald Street, Suite "G"  
Saint John, NB E2J 1M5  
Toll Free: 1-866-338-7263  
Tel (506) 633-2300 Fax: (506) 633-2310  
Cell (506) 609-0096  
andrew.williamson@trane.com  
www.trane.com



## NB/PEI ASHRAE Chapter Meeting Schedule 2012/2013

May 14, 2013

Topic: High Induction Diffusers

June 11, 2013

Topic: Dumont Energy Centre Tour

## Social Events

Lobster Kitchen Party @ Captain Dan's Shediac, NB - June 22, 2013

**ENERTRAK** INC.  
DISTRIBUTOR OF HVAC EQUIPMENT

MITSUBISHI ELECTRIC

CANCOIL

DESERT AIR



DUNHAM-BUSH

**ERIC LEBLANC, P. Eng.**  
10-297 COLLISHAW, MONCTON, NB E1C 9R2  
T 506.855.3365 F 506.855.3370 C 506.875.0978



**GLOBAL**  
Mechanical Systems Ltd.  
[www.globalmech.com](http://www.globalmech.com)

Your complete  
**HVAC**  
Supplier!

290 Baig Blvd.  
Suite B14  
Moncton, NB  
E1E 1C8

Ph: (506) 857-4887 Fax: (506) 857-1989



Join us at **ASHRAE's 2013 Annual Conference**  
Denver, Colorado | June 22-26, 2013

Register  
Early for the  
Best Deal!  
[www.ashrae.org/  
denver](http://www.ashrae.org/denver)

Take advantage of the opportunity to discuss and examine the latest topics in the building industry, such as high performing buildings and integrated design, through the technical program; participate in technical tours; attend ASHRAE Learning Institute courses; and earn professional credits.

**Research Summit** — held in conjunction with the 2013 Annual Conference. The summit addresses the latest research results, innovative research techniques and forecasts future research directions.

**Technical Program** — presentations and papers focus on current research worldwide; core HVAC&R applications and systems; and Integrated Project Design, Energy Modeling and Building Efficiency Performance.

**Networking** — share ideas and learn from fellow members from your hometown and around the world.

**ASHRAE Learning Institute** — seven in-depth training courses including a new Professional Development Seminar on Operations and Maintenance of High-Performance Buildings and a new Short Course on Optimization of HVAC Systems and their Components.



**\$\$\$ Special first time attendee  
registration fee available!**



**Advanced Energy Management Ltd.**  
*Putting our energy into saving yours*

222 Edinburgh Drive, Unit 1  
Moncton, NB E1E 4G7

**Doug Briggs**  
Customer Representative

Tel: (506) 857-0818 Ext 681  
Fax: (506) 857-0867  
Cell: (506) 878-7092  
Email: [dbriggs@aemltd.com](mailto:dbriggs@aemltd.com)  
Web: [www.aemltd.com](http://www.aemltd.com)

**ALERTON**  
AUTHORIZED DEALER

**Gary Hoadley**  
Senior Mechanical Engineer



**Crandall Engineering Ltd.**  
1077 boul. St. George Blvd., Suite 400  
Moncton, NB Canada E1E 4C9  
Tel: (506) 857-2777  
Fax: (506) 857-2753  
Cell: (506) 866-1976  
[grh@crandallengineering.ca](mailto:grh@crandallengineering.ca)  
[CRANDALLENGINEERING.CA](http://CRANDALLENGINEERING.CA)