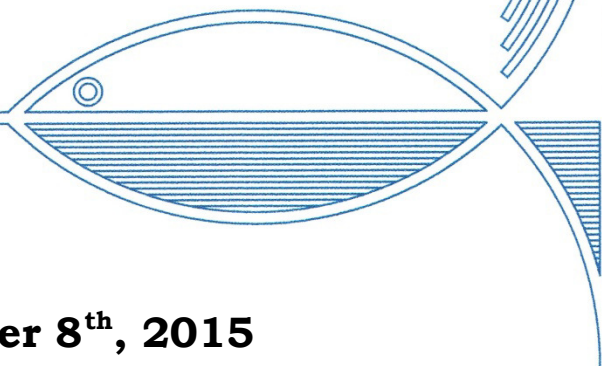


THE HERRING CHOKER

ASHRAE

NB PEI CHAPTER



2015-2016 Executive

President:

Eric LeBlanc (506) 855-3365

President Elect:

Sharlene Innes (506) 853-1444

Vice-President:

Mike Boudreau (506) 384-3425

Treasurer:

Sharlene Innes (506) 853-1444

Acting Secretary:

Shelby Gallant (506) 721-9826

Membership Chair:

Dwight Scott (506) 204-2820

Research Promotion Chair:

Mike Boudreau (506) 384-3425

Student Activities Chair:

John Willden (506) 856-2215

Historian:

Kevin Clannon (506) 382-8625

CTTC Chair (Programs):

Robert Hoadley (506) 459-3940

Newsletter Editor:

Mark McGinnis (506) 854-2496

Webmaster:

Jennifer Chapman (506) 857-8788

YEA Coordinator:

Daniel El-Khoury (506) 389-6904

CRC 2016 General Chair:

Dan Boudreau (506) 857-8880

Grassroots Government

Activities Chair:

Ken Martin (506) 857-8880

Refrigeration

Frédéric Desjardins (506) 858-5688

Board of Governors:

Pierre Comeau, Dan Boudreau,
David Samuel, Yves Savoie,
Camille Chevarie, Luc Dugas,
Matthew Peachman, Ryan Gosson,
Devin Harinarine, Terry Thibodeau

December 2015 Issue

Next Meeting Tuesday December 8th, 2015

Past Presidents, Research & Promotion and History Night

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 4 PM at the Moncton Elks Club.

Meeting Agenda

4:00 pm – Board of Governors Meeting (all are welcome)
5:00 pm – Meet & Greet (feel free to bring your spouse)
5:45 pm – Clam Chowder Served
6:00 pm – Presentation: Ellen Tucker shares with us her expertise in World Travel
7:00 pm – Dinner: Prime rib, potatoes, vegetables, salad, dessert, tea & coffee.

Meal Price Schedule (December Meeting Only):

Members - \$35
Non-Members - \$45
Past Presidents - \$0 (Spouses – Non Member Price)
Representative of each of the Top Ten RP Contributors - \$0

J.F. Taylor Enterprises Ltd.
 Manufacturer's Agents for
 Plumbing, Heating & Humidification

JF TAYLOR
 ESTABLISHED 1962

Andrew G. Campbell
 President - Co-Owner
 Office: (506) 389-3739
 Fax: (506) 389-8751
 andrewcampbell@jftaylor.ca Cell: (506) 380-1137
 ETA 4B8
 VISIT OUR WEBSITE: WWW.JFTAYLOR.CA

41 Blakeny Street
 Moncton, N.B.

EMCO CORPORATION

SHARLENE INNES, P.TECH
 Commercial Quotations

1180 St. George Blvd
 Moncton, NB E1E 4K7
 Email: sinnes@emcofld.com

Phone: (506) 853-1444 x422
 Fax: (506) 853-1457
 Cell: (506) 871-6235

McEW

Maricor
 A Division of MCEW Consultants Ltd.

77 Vaughan Harvey Blvd., Suite 200
 Moncton, New Brunswick, E1C 0K2

Robert McEwen, P. Eng.
 Mechanical Design Engineer
 Associate

Telephone: (506) 857-8880
 Cell: (506) 874-6042
 Facsimile: (506) 859-8393
 E-mail: rmcewen@mcow.com
 Internet: www.mcow.com

Moncton Saint John Halifax Charlottetown Truro Toronto Winnipeg Vancouver

Introduction to Our Speaker

Ellen Tucker, President of Freedom Travel, has shared her love of travel for over 30 years. Fifteen years of which she has hosted the television program "All About Travel" on CBC-CHSJ GLOBAL. Not only does Ellen manage Freedom Tours, but each year she personally directs and escorts tours and cruises around the world. Ellen has regularly offered her travel expertise on CBC RADIO ONE.

Ellen has been hooked on travel ever since her dad took her on her first flight at the age of six – sight seeing over Bar Harbour, Maine. Since then she has travelled extensively on every continent except Antarctica and has sailed most of world's seas.



She has served as:
 Chairman of the Board of
 ACTA the Association of
 Canadian Travel Agencies,
 and she holds designations
 of both Certified Travel Counsellor (CTC) & Certified Travel Manager (CTM).

Kevin's Historical Tidbits

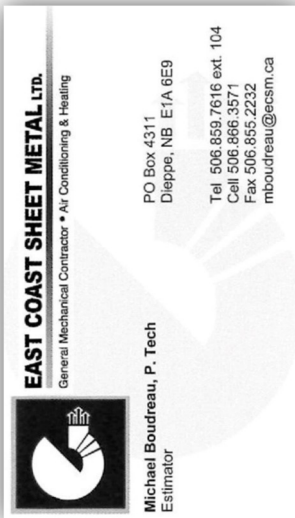
The **December 11th, 1984** meeting was held at Papa Jo's on St. George St. and billed as "Ladies Night" where spouses were encouraged to come out.

The speaker was Mr. Ken McPhee and his topic was "R-2000 Homes"

Eastcan Consultants was located on Henri Dunant Street

Only 30% of chapter members had paid their chapter dues compared to 100% today.....of course we don't collect those anymore.

Your historian was 8 years old and a stamp cost 32 cents.



November Meeting Presentation Review

VRF/VRV

CSA B52, ASHRAE 15, and Refrigerant Safety

Presented by: Shawn Slaunwhite

VRV/VRF

What is it?

Where is it applied and Why?

What is ASHRAE Standard 15 and CSA B52

Where did they come from?

Why are they important?

How to Design Code Compliant VRV/VRF System:

- First Step – Preliminary layout of system
- Second Step – Determine amount of refrigerant
- Third Step – Verify that the VRV system layout complies with CSA B52 requirements
- Fourth Step – Actions if room is too small

When Compliance is not achieved in the first 3 steps there are Four Actions that make up the fourth step for Compliance:

- Action 1: Review Refrigerant Piping Design
- Action 2: Increase Room Volume
- Action 3: Relocate, Remove/Combine IDU's
- Action 4: Reduce Refrigerant Charge by Splitting Systems

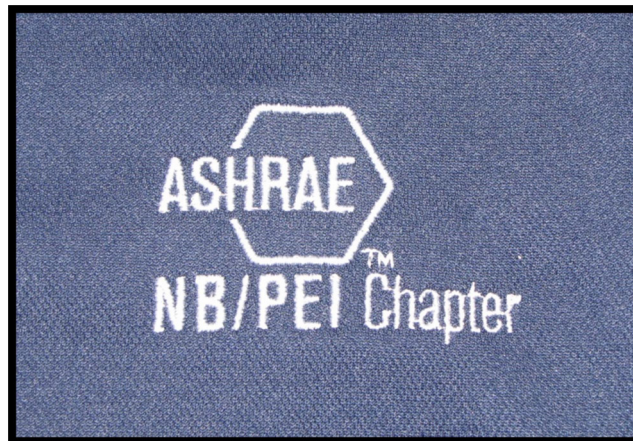
When implemented correctly the steps taken to design a code compliant VRV/VRF systems results in additional benefits:

- Equipment Cost Savings
- Reduced Installation Materials
- Reduced Installation Labor
- Increased Comfort and Efficiency



ASHRAE NB/PEI Crested Polo Shirts for Sale

We now have a supply of men's navy blue polo shirts with our ASHRAE chapter logo embroidered on the left chest (see photo). These shirts are 100% polyester with moisture wicking properties and are anti-microbial. They are available from Dwight Scott for \$20 (cash please) in M, L, XL and 2XL sizes. Sharlene Innes will be coordinating shirt orders for women's shirts.



TWEEDIE & ASSOCIATES
CONSULTING ENGINEERS LTD.

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

Stephen Tweedie
P.Eng., LEED AP, CBCP

Daniel El-Khoury, P.Eng./Ing.
Project Engineer/ingénieur de projets

T: (506) 857-2777
D: (506) 389-6904
F: (506) 857-2753
dle@crandallengineering.ca

crandallengineering.ca



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

T 506-382-8625
C 506-875-0675
F 506-382-8626
1 888 577-8625

The Master Group L.P.
186, Dieppe Blvd.
Dieppe (NB) E1A 6P8
MASTER.CA

Master
AIR CONDITIONING | REFRIGERATION
VENTILATION | HEATING

WHISKY DISTILLATION LECTURE

The Production of Scotch Whisky by Prof. David Innes



"ASHRAE members from Fredericton and Saint John were treated to a presentation on the production of scotch whisky by Prof. David Innes, member of the local whisky appreciation society. Prof. Innes provided slides of his recent visit to several distilleries in Scotland. He also described the production techniques, from the collection and preparation of barley right through to aging the whisky in oak casks. Drinks, appetizers, and meals were served by the staff of Isaac's Way Restaurant. Several members retired to the nearby Lunar Rogue Pub for a private whisky tasting following the presentation."

2016 ASHRAE Winter Conference

Jan. 23–27 | Orlando Hilton | Orlando, Fla.

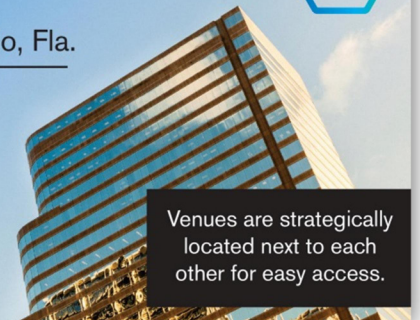
*New Technical Program Tracks, Networking,
World's Largest HVAC&R Marketplace*

Special first time attendee registration fee available! Low, early-bird registration rates end Nov. 2. Register early! Registration to the ASHRAE Winter Conference includes free access to the AHR Expo!



2016 AHR Expo

Jan. 25–27 | Orange Co.
Conv. Center | Orlando, Fla.



Venues are strategically
located next to each
other for easy access.



SCAN AIR BALANCE 1998 LTD.
Certified Member AABC

HVAC
Air & Water Balancing • Duct Leakage Testing

MEDARD LEBLANC

Tel: (506) 857-9100
Fax: (506) 857-1719
scanair@nb.aibn.com

50 Driscoll Crescent, Suite 200
Moncton, N.B. E1E 3R8

BAC

BALTIMORE AIRCOIL COMPANY

Gerry Waselynychuk President
BAC Represented By:
AQUAVAP INDOTEC AGENCIES (MB) INC.

gery@aquavapgroup.ca
506.857.8788 tel
506.857.9890 fax

120 Rideout Street - Moncton, NB E1E 1E2 - www.BaltimoreAircoil.com

MEMCO CONTROLS

Chuck Edwards, CET
Technical Support Manager

Tel: (506) 854-2496 (ext. 107)
Fax: (506) 384-8452
Cell: (506) 878-1408
chuck.edwards@memcocontrols.com

1109 rue Champlain St.
Dieppe, New Brunswick
E1A 1P9

www.memcocontrols.com

2015-2016 Schedule

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

January 12 : Specifying BACNet Systems with guest speaker Andrew Lavoie, Energy Analyst at MCW Custom Energy Solutions

January 23-27: 2016 ASHRAE Winter Conference in Orlando, FL (see pg.4)

February 9: Climate Change Regulation and the Next Generation of Refrigerants, featuring Mike Thompson Global Leader of Refrigerant Strategy for Ingersoll Rand.

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

March 8: TBA

April 12: ASHRAE Distinguished Lecturer Stephen Hamstra, President at Greensleeves LLC.

May 18-19: MEET Show in Moncton, NB (Volunteers Needed)

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 (Volunteers Needed)



Scott Donnelly, CET **WOLSELEY**
Sales Area Manager – Plumbing & HVAC/R Atlantic
Cell 506-863-7107 scott.donnelly@wolseleyinc.ca
www.wolseleyinc.ca www.wolseleyexpress.com

Advertise your company here!

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

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



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

D.J. (Jim) Morris

P.O. Box 121, Moncton, NB, E1C8T1
451 Paul St., #213
Dieppe, NB E1A6W8

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



xylem
Let's Solve Water

Michael Boudreau, P.Eng.
Market Development Manager - Eastern Region

Xylem Applied Water Systems,
a Division of Xylem Canada Company
981 Rocky Bluff Terrace, Saint John, NB E2M 3E9 Canada
Office 506 657 0087
Toll Free Customer Service 1 888 488 4033
Fax 506 649 8485
Cell 506 643 1554
michael.boudreau@xyleminc.com



Clarke Murdock
Account Manager

Atlantic Division
120 McDonald Street, Suite G
Saint John, N.B. E2J 1M5
Toll Free: 1-866-338-7263
Tel. Main: (506) 633-2300 Desk: (506) 633-2306
Mobile: (506) 651-9601
Fax: (506) 633-2310
clarke.murdock@trane.com



What is YEA?

To ensure the future of the Society and the industry, ASHRAE is committed to advancing its programs and services for young members through helping them build their professional foundations. With this in mind, ASHRAE created a committee called Young Engineers in ASHRAE (YEA), for members age 35 and younger!

What can YEA do for me?

We're glad you asked! To help you develop your skills, grow as a professional and expand your network, the YEA Institute was created to offer a variety of YEA focused education and networking programs tailored to your specific needs. Whether you're learning at a conference, attending a leadership weekend or receiving one on-one advice from a fellow ASHRAE member, the YEA Institute is the perfect opportunity for you to make the most of your time with YEA.

Want to learn more?

Visit and like the facebook page at: facebook.com/ashraeyea
or visit the website at: ashrae.org/yea

ASHRAE Start Smart Program

What is the SmartStart program?

Simply put, it's the best way for ASHRAE student members to receive the many benefits of Associate grade membership after finishing college. SmartStart is a 3-year program that allows Student members to transfer to Associate grade membership at a rate that is recent-graduate friendly.

*Please note that the SmartStart program is only for current ASHRAE Student member

Are you student about to graduate, or do you know a student about to graduate, and looking to begin a career in HVAC? ASHRAE offers the Start Smart program, which provides discounted society memberships for new grads. Information about the program can be found at:

<https://www.ashrae.org/membership--conferences/student-zone/membership-and-meetings/ashraes-smartstart-program>

Advanced Energy Management Ltd.
Putting our energy into saving yours

222 Edinburgh Drive, Unit 1
 Moncton, NB E1E 4C7

Doug Briggs
 Technical Sales Representative

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

AEM

ALERTON
 AUTHORIZED DEALER

Your complete
HVAC
 Supplier!

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

GLOBAL
 Mechanical Systems Ltd.
 www.globalmech.com

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

ENERTRAK INC.
 DISTRIBUTOR OF HVAC EQUIPMENT

www.enertrak.com

MITSUBISHI ELECTRIC

CANCOIL

STULZ

SMART

Marvair

ERIC LEBLANC, P. Eng.
 10-297 COLLISHAW, MONCTON, NB E1C 9R2
 T 506.855.3965 F 506.855.3370 C 506.875.6078

ASHRAE “Unplugged”

Presented by: Doug Cochrane, DRC Region II, ASHRAE
 To the NB/PEI Chapter November 17, 2015

What is ASHRAE’s structure?

ASHRAE structure

1. Student Chapters approx. 260
 2. Chapters – 170 worldwide
 3. Regions – 14 worldwide
 4. Society --
 1. Board responsible to and elected by all members
 2. Councils – report to the Board - three including Membership, Technical, and Publishing and Education
 3. Standing Committees reporting to councils
- 54,000 Members globally, 3700 Region II

How is ASHRAE structured for you?

- Local Chapter- NB/PEI
- Region II (all Canadian provinces Ontario and east)
- Society

How can you participate?

- Chapter Activities
- CRC coming up next summer in Moncton
 - Networking
 - Develop cooperative skills on committees
 - Exchange knowledge with industry professionals

Student Chapters

- Some chapters provide assistance to student members through subsidies and scholarships
- Student design competitions
- Grants in aid & scholarships
- Participate on student chapter executive



Continued

What are Region opportunities for members in ASHRAE?

- Serve on conference committee organizing CRC for chapter
- Participate in CRC business sessions to better understand ASHRAE activities and opportunities
- Network with people from a larger area

What Society Activities can assist Career Development?

- Winter and Summer meetings
- Technical program and AHR expo during winter meeting. Orlando Jan 23-27 2016
- Technical Committees

Where can I network at an ASHRAE Society Meeting?

- Social events
 - Plenary
 - Student or YEA mixer
 - Welcome party
 - President's luncheon
 - *Members night out*
 - *Regional dinner (Sun night)*
- Technical events
 - Technical Sessions
 - Technical Committees (TC's)
 - Standards meetings
 - *Board meeting –Sun anyone can address the board*

How does ASHRAE support life-long learning?

- Continuing Education and Training
- Publications
- Certification



Continued

Continuing Education & Training

- Self-directed Learning
- Short and long instructor led courses – HVAC Fundamentals Halifax May 9-11
- Annual webcast on topics of current interest – Apr 21 2016 on net zero
- eLearning

Publications

- Handbooks
 - Fundamentals
 - Applications
 - Refrigeration
 - Systems and Equipment
- Guideline and Standards –AEDG free
- Special Publications – Cold Climate Guide just released
- Official launch in Orlando with curling competition

ASHRAE Certification

- Building Energy Assessment Professional (BEAP)
- Building Energy Modeling Professional (BEMP)
- Commissioning Process Management Professional (CPMP)
- Health Care Design Professional (HFDP)
- High Performance Building Design Professional (HBDP)
- Operation and Performance Management Professional (OPMP)

Doug Cochrane

doug.cochrane@carrierenterprise.com