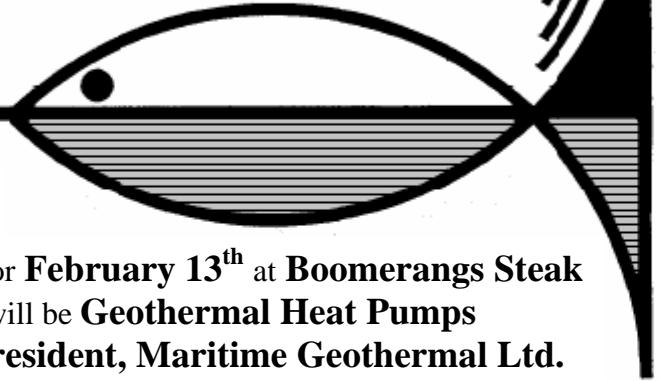




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ASHRAE
NB PEI CHAPTER



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February Meeting

The February meeting is scheduled for **February 13th** at **Boomerangs Steak House**. The topic for this meeting will be **Geothermal Heat Pumps** delivered by **Mr. Glenn Kaye, President, Maritime Geothermal Ltd.** The social hour will begin at 5:00 PM with a cash bar. The presentation will follow at 6:00 PM. Dinner will be served at 7:00 PM.

February's meeting is **Student Night**.

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.

Curling Bonspiel

The Annual MCA New Brunswick Curling Bonspiel is again on in Moncton in April. We hope that all members, associate members, prospective members and friends of MCA New Brunswick will participate. Again this year, the bonspiel jointly hosted with the local ASHRAE Chapter. You can still either enter as a full rink or as an individual (we will see that you get placed on a rink). But remember registration is limited to 20 rinks (80 individuals)

Remember, experience is absolutely not necessary.

The cost will be only \$45 per person, which includes morning coffee break, a hot lunch and dinner in the evening, along with the cost of ice rental.

Prizes will be awarded, and "first" will not necessarily be "best". So mark March 24th on your calendar, fill out the enclosed registration and return it with your payment as soon as possible.

PLEASE HAVE YOUR REGISTRATIONS IN BY MARCH 16th.

Registration form can be found on Page 3

See you March 24th

PS: Any and all donations to the prize list will be graciously accepted and greatly appreciated. Please contact me prior to March 21st.

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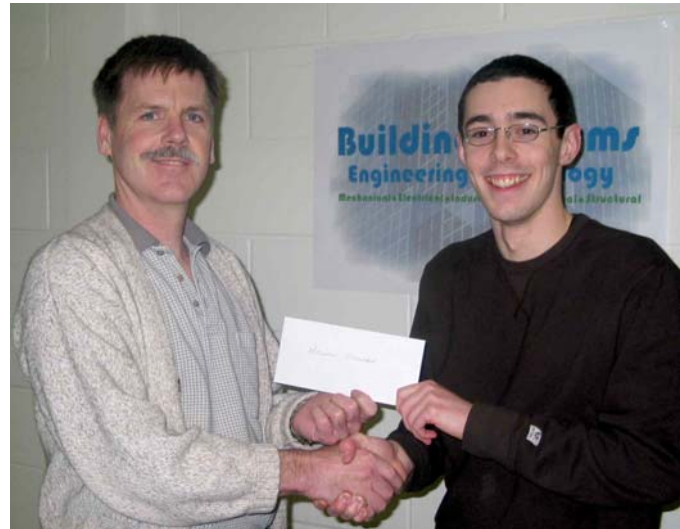
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Scholarship Info

The Emile R. Leblanc Memorial Scholarship for \$1000 has been awarded to Mitchell Stockdale.

Mitchell is a senior year student at NBCC Moncton and is from the Sussex area. He is enrolled in the Building Services Engineering Technology class.

The photo shows the scholarship being presented to Mitchell (right) by John Willden, Instructor and Student Activities Chair of the NBPEI Chapter of ASHRAE.



Summary of January 9 2007 Meeting

Dr. Yves Gagnon, holder of the K.C. Irving Chair in Sustainable Development at the Université de Moncton, gave a very entertaining and educational presentation on *Alternate (Wind) Energy in NB and PEI*. Using “Wind Resource Maps of NB and PEI, he indicated those areas where the development of wind energy is feasible.

It was interesting to note that the energy generated by wind turbines can be sold on the power grid through “net metering”, and the reduction in greenhouse gases by avoidance of thermal power generation is a significant contribution toward meeting the Kyoto accord. There is a worldwide goal of 20% of electrical generation from wind energy, with a target of 12% by the year 2020.

At present, more than 60% of NB’s 3948 MW of generation capacity is from fossil fuel units. On the other hand, Quebec will have some 4000 MW of wind power installed in the near future, mostly on the Gaspé coast.

Typical wind turbines such as initially installed on PEI were 0.67 MW each, but now the standard capacity is 1.5 – 2.0 MW, with 3 MW units becoming available. A computer and motor in the nacelle orient the turbine and adjust the pitch of the blades to maintain synchronous speed over the useful range of wind velocities, and to stop rotation when the speeds are too low to generate useable power, or too high (to protect the unit).

Typical installed costs at present are approximately \$2 million per MW, of which about 75% are for the turbine.

Dr. Gagnon also briefly discussed small scale wind turbines (300W – 30 kW) with a price tag of approximately \$3000-6000 per kW.

Post Script: On January 19, NB Power announced plans to partner with TransAlta Corporation of Alberta to build a 75 MW wind farm. The 25 turbines will be located in Kent Hills, Albert County.




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MCA NEW BRUNSWICK/ASHRAE CURLING BONSPIEL

REGISTRATION

SATURDAY, March 24, 2007

**MONCTON CURLERS' ASSOCIATION
 358 LUTZ ST., MONCTON, NB**

FIRM NAME: _____
 WILL BE SENDING _____ RINKS

OR

WILL BE SENDING _____ INDIVIDUALS


COST PER PERSON - \$45.00

FEE ENCLOSED _____ INVOICE COMPANY _____
 (make cheques payable to MCA New Brunswick)

Do you/your firm plan on donating prizes? Yes No How many? _____

**PLEASE HAVE REGISTRATION FORMS RETURNED TO THIS OFFICE BY
 Monday, March 19, 2007**

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NB/PEI ASHRAE Chapter Meeting Schedule 2006/2007

February 13, 2007
Student Night
Topic: Geothermal Heat Pumps

March 13, 2007
Membership Night
Topic: Commercial HVAC Systems

April 11, 2007 (Wednesday)
Student Night
Topic: ASHRAE Webcast on Indoor Air Quality

May 15, 2007
History Night
Distinguished Lecturer: Bill Lotz
Topic: Geothermal Heating and Cooling Systems Fail on Two Commercial Projects

June 12, 2007
Technical Tour of the Bonté Foods Plant



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Building Commissioning Seminar

Reminder that if you are interested in ASHRAE's newest full-day seminar "Building Commissioning for New and Existing Buildings" and haven't confirmed your interest with Craig Brown, please do so at (506) 855-3133 or cbrown3@trane.com. We would love to be able to bring you this valuable seminar at a reduced cost. For more information check out the December issue of the *Herring Choker* at www.ashraenbpei.com.



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