

ASHRAE Ottawa Valley Chapter

Chapter Meeting #5 – February 21st 2008 (17:30 pm)



Meeting Date:	Tuesday, February 21 st , 2008
Location:	Cleo Banquet and Convention Centre
Attendance:	Total: Members: Guests: Students:
Theme:	Membership
Technical Program:	Low and High Intensity Infrared Heating
Table Top:	HTS/ Siemens/Walmar
Program:	Natatorium Design
Speaker:	Ralph Kittler, P.Eng. – ASHRAE DL
Prepared by:	Francois Belair, P.Eng. – March 18 th 2008

Technical: (16:30 – 17:30)

Low and high intensity infrared heating (Roberts Gordon). This presentation covered the basics of high and low intensity infrared heating including key terms such as reflectivity, emissivity and stack loss. This was followed by applications, installation considerations and facilities where this technology is predominantly installed, before accepting questions from the attendees.

Table-top:

- HTS - Seresco
- Siemens - PXE Control System
- Walmar - Roberts Gordon Infrared

Social: (17:30 – 18:30)

Business Session (18:30 – 18:40)

- Robert Lefebvre opened the meeting and welcomed members, guests and students.
- Robert Lefebvre introduced the Board of Governors.
- Jason Alexander introduced the guests for the evening.
- Christine Kemp introduced the new members.
- Eric Beschoten discusses the evenings tech session on infrared heating.

Dinner (18:40 – 19:25)

Business Session Continued (19:40 – 19:45)

- Christine Kemp discusses benefits of membership before asking those members who are currently delinquent to get their dues paid in full. She proceeded to thank everyone for their attendance & encouraged attendees to join the local chapter.
- Robert Lefebvre discusses TEGA & encourages everyone to submit projects with Robert Kilpatrick before the coming deadline.
- Francois Belair promotes the commissioning seminar being held March 18th.
- Chris Healey promotes the curling tournament being held March 14th.
- Paul Pilote of Siemens building automation discusses their new PXE system.

- Rod Lancefield of HTS engineering discussed the Seresco pool dehumidifier.
- Chris Healey of Walmar discusses Robert Gordon low and high intensity infrared heaters.
- Joel Primeau discusses national engineering and the need to promote this profession at local schools.

Break (19:45 – 20:00)

Evening Program (20:00 – 21:00)

- Robert Lefebvre introduced the speaker: Ralph Kittler from Seresco. The evening's topic was natatorium design (Indour Pools). The early portion of the presentation focused on the consequences of bad pool design which in certain cases has led to building failure from corrosion.

Ralph identified the key design points for every pool:

1. Space dew point
2. Vapour pressure for the pool and space
3. Pool evaporation rate; based on pool area, vapour pressure and activity occurring in the pool

The conversation moved onto fresh and exhaust air requirements, condensation control, tips for duct layout and vapour barrier requirements within the building walls. Although this last item is of architectural concern, Ralph encouraged all designers to discuss wall construction with the projects architect as they require specific consideration due to vapour migration.

What most took away from the meeting; natatoriums are extremely interesting mechanical systems only to be challenged by those prepared to read the ASHRAE standard and enlist help from a full time professional.

- Questions from the audience are answered by the speaker.
- Robert Lefebvre thanked Ralph Kittler for his presentation and presented him with gifts.
- Meeting adjourned 21:00.

Distribution:

All Board of Governors, Webmaster, DRC and All RVCs