



Capital Communiqué

2005 –2006

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October 2005

EVENING PROGRAM

DATE: Tuesday **October 18th**, 2005. Social: 18:00 Dinner: 18:30 Program: 20:00

THEME: **TEGA/Student**

PROGRAM: **Engineering the Modern Ice Facility**

SPEAKERS: **Mark Chaisson**
Genivar Consulting Group Inc.
Hugo Barabe
Ottawa branch Manager, CIMCO Refrigeration

OVERVIEW: **Industrial Refrigeration Focusing on the Bell Sensplex Project**

SPEAKER BIO: Hugo Barabe graduated in 1994 from a Mechanical Building (C.E.T.) technical training program at College de Limoilou, Quebec City. He joined CIMCO Refrigeration the same year and has since moved from inside technical, industrial service and contract technical sales at the Quebec city branch to serve as the District Manager at the Ottawa location in 2002. He has pre-engineered a number of design/build projects and has acquired many years of experience working on both industrial and recreational aspects of the latter.

Menu

Summer Mix Salad

Chicken Scaloppini c/w mushrooms, vegetables and mashed potatoes

Baked Alaska



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President's Message

by Jay Doshi

September's meeting was a great success with a notably high turn-out. We had over 80 people taking a tour of the mechanical room when we normally would get about a maximum of 30 people. I am sure many of you enjoyed the sight of real "gold", especially the ladies. Thank you to all the persons that came out and supported this program. The upcoming October meeting will be back at the **La Contessa** and the evening promises another great program that you should plan to attend.

Recently, I have had the opportunity to visit some offices, hospitals, university and colleges as part of my family and work requirements. My observations suggest that today there is even a greater need for ASHRAE knowledge and implementation of ASHRAE standards in ventilation, indoor air quality and efficiency than ever before.

As energy costs go up, more and more we are seeing a need for our institutions to cut costs, and invariably they tend to go after less-visible features such as the ventilation system. Unfortunately, this has a major impact on the indoor environment that affects all of us, whether we work in it, or visit it or have a member of our family within it. We as the knowledgeable community in building science have to bring our expertise to these areas, extol the virtues of proper system operation and work with these clients so that they may take advantage of efficiencies in new technology while meeting their target for cost control.

A number of this year's program topics advise on new technologies, efficiency design and the implementation of these strategies to maintain or improve the environment while optimizing and/or reducing the fiscal impact. The new programs planned in the coming months include fuel cell technology, efficient boiler room design and laboratory control.

I am also pleased to inform you that we have a new Chair for programs, Jason Alexander, whose enthusiastic support and drive will ensure a continuing tradition of program excellence.

Please join us in these exciting programs and grow professionally with ASHRAE. I look forward to seeing you at the October meeting.

Thank you for your participation and support

In your service,
Jay Doshi
President 2005/2006
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e-mail: jay.doshi@siemens.com

John P. Lowery, P.Eng.
Senior Territory Manager



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Tour: Bell Sensplex
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4:00 pm sharp, main lobby





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What You Missed September 2005 Chapter Meeting

by Robert Lefebvre

The kick-off to the 2005-2006 ASHRAE year started with a special chapter meeting at the Royal Canadian Mint. A tour was given of the newly renovated main mechanical room. The following items were brought forth during the business session:

- Jay Doshi welcomed everyone back and expressed a special appreciation to all the spouses in attendance
- Jay Doshi introduced Frank Bann as the RVC for Membership
- Herb Dean talked about the tour of the Royal Canadian Mint mechanical room held earlier
- Christine Kemp introduced herself and the rest of her Membership committee. She welcomed the new members to our chapter and requested that members bring guests to chapter meeting
- Niraj Chandra introduced himself and the rest of his TEGA committee. He outlined the committee's goals for the year
- Paul Baker discussed the OAA conference that is coming to Ottawa
- Jay Doshi advised the membership that there are arrangements being made to bring students to the ASHRAE winter meeting in Chicago. He also advised everyone to have a look at the newly revamped OVC website.
- Rod Lancefield reminded everyone that there are still business card ads available

The evening program featured a presentation on the "Making of Gold and Silver Products - Process and Issues in Production" by speaker Ron Pilon, CET - Manager of Technical Services, Royal Canadian Mint. Ron Pilon described the Royal Canadian Mint's gold refinery process and the coin production processes. He then presented the issues the Royal Canadian Mint is currently facing as relating to the building systems, and planned future projects to remedy these issues. The program was very well attended and there were lots of questions (always a good sign of an interesting topic).



courtesy Simon Jol

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Chapter Regional Conference (CRC)
Aug. 25th to 27th Grand Bend, Ontario
by Jay Doshi
Chapter President

Members of the Board and Committee Chairs recently attended a great CRC in Grand Bend, Ontario. We stayed at the Oakwood Inn Resort in Grand Bend, which is a resort surrounded by its golf course. The workshops and business meetings were a superb source of information and ideas for us to apply to our Chapter. A number of our Chairs attended their responsibility workshops and each Chair was motivated to providing the members with an exciting upcoming year.

The Ottawa Valley Chapter once again did very well with the following awards:

- Presidential Award of Excellence - **Cathy Godin**;
- Student Branch of the Year - **Chris Fudge**
- Full Circle Award - **Board of Governors**
- PAOE Honor Roll 2004-2005
- PAOE Special Citation

Congratulations to the London Chapter and CRC 2005 London Chairs – Peter Golem and Daryl Somers for your hospitality and a great CRC.

Article Published in ASHRAE Journal August 2005 Issue



Simon Jol

Please be aware that our esteemed Past President Simon Jol (1987-88), recently was published in the ASHRAE Journal. The article is entitled “**Controlling Contamination in the Cold Chain**”. He was aided in this effort by co-contributors Alex Kassianenko, Jan Oggel, and Kaz Wszol.

You can link directly to the article at the following URL:

http://resourcecenter.ashrae.org/orders/ashrae/ashrae-3761-3728-3766-3427-house/26152Jol_web.pdf

Our congratulations go out to Simon for a job well done!



(your card here!)



Table-Top Display

by Gary Hartmann



Carrier will be presenting the new CENTURION single piece packaged ultra high efficiency electric cooling with gas heat roof top units. The new CENTURION features Environmentally sound Puron (R-410A) refrigerant and it has the Best Life Cycle Performance of any other packaged rooftop. The CENTURION provides industry leading operating efficiencies, ease of maintenance, installability and reliability.



Ian Lindsay of **Exhausto** will be displaying the market leading chimney automation, mechanical dryer venting and modulating combustion air systems. Demonstrations of the ground breaking new FANCALC 2005 software will also be performed on site.



Business Card Ads

by Rod Lancefield

You can support your chapter and promote your business by placing your business card in the Capital Communiqué. It will appear in the electronic and printed version as well as on the Chapter website.

Cost is \$225.00 for the year; contact Rod Lancefield, rod@htseng.com , 728-7400



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CTTC Update

By Niraj Chandra

Hi, I'm Niraj Chandra, the co-chair of the Chapter Technology Transfer Committee (CTTC) of the ASHRAE Ottawa Valley chapter. I'm responsible for Technology, Energy and Government Affairs (TEGA), and I'll be working closely with my co-chair Jason Alexander, who is responsible for Programs. You can always e-mail me at:

Niraj.Chandra@pwgsc.gc.ca

Or, phone me at: 819 956 6516

The Technology Transfer Committee is one of the most important committees of ASHRAE, both at the Society and the Chapter level. It is responsible for the multi-directional flow of technical information between ASHRAE, its members, and various Government bodies. As members, your contributions are vital, and you alone can keep the CTTCs alive and kicking.

This year, we have ambitious plans for the CTTC in several areas:

Government Affairs

Last year, we were very successful in developing interactions with PWGSC, the largest landlord in the country. PWGSC is critically examining several new ASHRAE Standards, and there was substantial participation of PWGSC in some technical presentations and in the global broadcast on mold. Two new ASHRAE members were recruited from PWGSC.

This year, we will expand our interactions with other Government departments. We would like to work with officials of Canada Labor Code, the National Building Code people, and other similar bodies, to ensure that they update their references to ASHRAE documents.

We are also organizing a Building Automation Systems plug-fest, where controls vendors can demonstrate how well their systems inter-operate with each other. We expect a good response from Government bodies for this event.

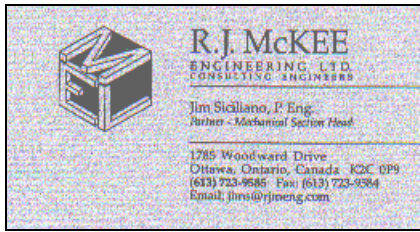
Review of ASHRAE Publications

Members often express concerns about the difficulties in using ASHRAE publications. ASHRAE publications are produced by members like you and me, and in spite of everybody's best efforts, there is always scope for improvement.

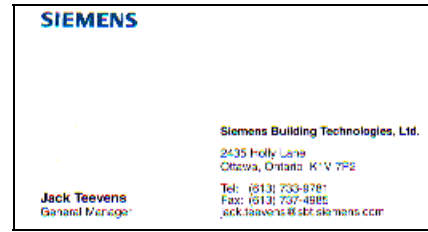
As a member, you can make a difference by reviewing an ASHRAE Standard, a handbook chapter. Just forward your comments to me, and I'll set up a sub-committee of 3 ASHRAE members to review your inputs, and then forward them to the Society. Or, you can form your own sub-committee of ASHRAE members and send the report to me, so I can send it up the ladder.

We need at least 3 ASHRAE document reviews this year from the Ottawa Valley chapter. Let's show the Society the technical expertise we have in Ottawa!

(cont...)



(your card here!)



(...cont.)

ASHRAE Ottawa Valley Chapter Library

We have functioning ASHRAE library at the Ottawa Construction Association office at 196 Bronson Avenue. There is plenty of free parking, so just drop by for a visit, and send us your comments. This year, we plan to add copies of the latest standards released by ASHRAE, so you can get all your technical updates at the Library. We also need a volunteer member for CTTC to help maintain and expand the library.

ASHRAE Awards

Last year we gave out 5 ASHRAE awards at the Chapter level. This year, we would like to encourage people to send out more entries. So pull out your best projects, and fill out a simple form explaining what you did, backed up, of course, by relevant performance data. For more info, just contact Robert Kilpatrick at Robert.Kilpatrick@nrc.ca.

Technical Committees

A good way of getting involved with ASHRAE at the Society level is by joining a Technical Committee (TC) or a Technical group (TG). There are hundreds of these committees working on ASHRAE Standards, guidelines, position papers, journals, handbooks, and research programs. Most committee members start out as corresponding members and then graduate to become voting members. Just browse through the ASHRAE web site and then decide which committee you want to get involved with. For more information, contact any CTTC member at the next ASHRAE chapter meeting.

CTTC Membership

The current membership of CTTC Ottawa Valley Chapter includes:

Jason Alexander & Niraj Chandra: co-chairs
Robert Kilpatrick, Chris Frawley, Gemma Kerr, & Frank Vaculik

We are always looking for more people so please do consider serving on the Chapter Technology Transfer Committee.



The AHR Expo takes place in Chicago, January 23-25, 2006. It promises to be a very successful and entertaining event, and our Chapter plans to sponsor Student participation.

You can link to further details at this URL:

<http://www.ahrexpo.com/>

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Retire – Who Me?

by Rod Potter
Editor and Webmaster

Last weekend we made one of our fairly regular trips down to Binghamton, Upper New York State, to visit distant relatives of my wife Lindsay. It turns out that her Aunt Christine used to live next door to her mother in the north of Scotland, many moons ago, and their mothers were actually related by virtue of having the same cleaning lady, or something like that. I have tried to understand the connection more than once and having never been successful I now just go along for the ride.

That aside, we usually have a riot down there. This time we stayed at Aunt Christine's daughter and son-in-law Joanne and Tom's house, which is purpose-built for nervous Yankee Fans c/w garage converted into a bar, the game via fridge-top TV, and two genuine barber's chairs to sit on.

On Saturday night they took us to their local Irish Pub for a bit of tomfoolery. We were pleased to find that one of Tom's co-workers "Dewey" had already taken up residence at the bar with his lovely wife, and the banter flew thick and fast all night. It turned out that it was actually "Kilt Night" at the bar, and I had not been told, because if I had, I would have worn mine with pride. Of course there were many jokes flying around as to why I had not worn my kilt, most of them not repeatable here.

This Dewey character is very entertaining, and he works with Tom for the State, supervising highway construction. To look at he is about my age, and to listen to comfortably, you should first install State-supplied earplugs. This guy is LOUD. Anyway through the course of the evening it was revealed to me that Dewey intends to retire at the age of 55, with about 30 year's service behind him. I was shocked to find out that this will actually happen in a mere six months – and I thought he was in his mid-forties. It seems that 30 years of working outdoors can help you retain your good looks after all. We of course congratulated him on almost reaching this goal. Then I asked him what he intended to do once retired, and he didn't have a good answer except to reach for another Bud. As they say in a recent country song: "it made me another Bud-Weiser" – and I drew my own conclusions.

I have wondered about retiring myself. If I really wanted to, I expect I could retire in about 5 years, but the more I think about it, the more I realize I would be bored out of mind if I did. My brother Nick has worked for Statistics Canada for about 25 years and is very fond of telling us he is going to retire in a few years himself. In fact he is getting to be a bit of a bore with it. He intends to be traveling non-stop while people like me still slave away. Heaven knows what his girlfriend will be doing – she is nowhere near retiring as far as I know.

Over recent weeks I have been working on a small lab project over at ROPEC (Green's Creek), and I did the M&E drawings. Things are pretty busy in our business of late (as I expect most of you know) and unfortunately the services of our usual electrical team were not available. So my client and I had to make the electrical design happen ourselves, and you know what, we had a blast doing it. It surprised me how the pieces fell into place so easily with the benefit of a thorough site survey. After we had it all drawn up, the electrical P.Eng. gave it the once-through and everything was fine. I had suspected for some time that this electrical engineering lark was a bit of a skive (let's face it – the drawings are made up of mostly symbols), and now I am further convinced. But please don't tell Mike Swayne I said that.

Retire early when I am having this much fun? I don't think so.

Guy H.J. Bourbonnière P.Eng.
District Manager



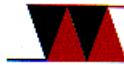

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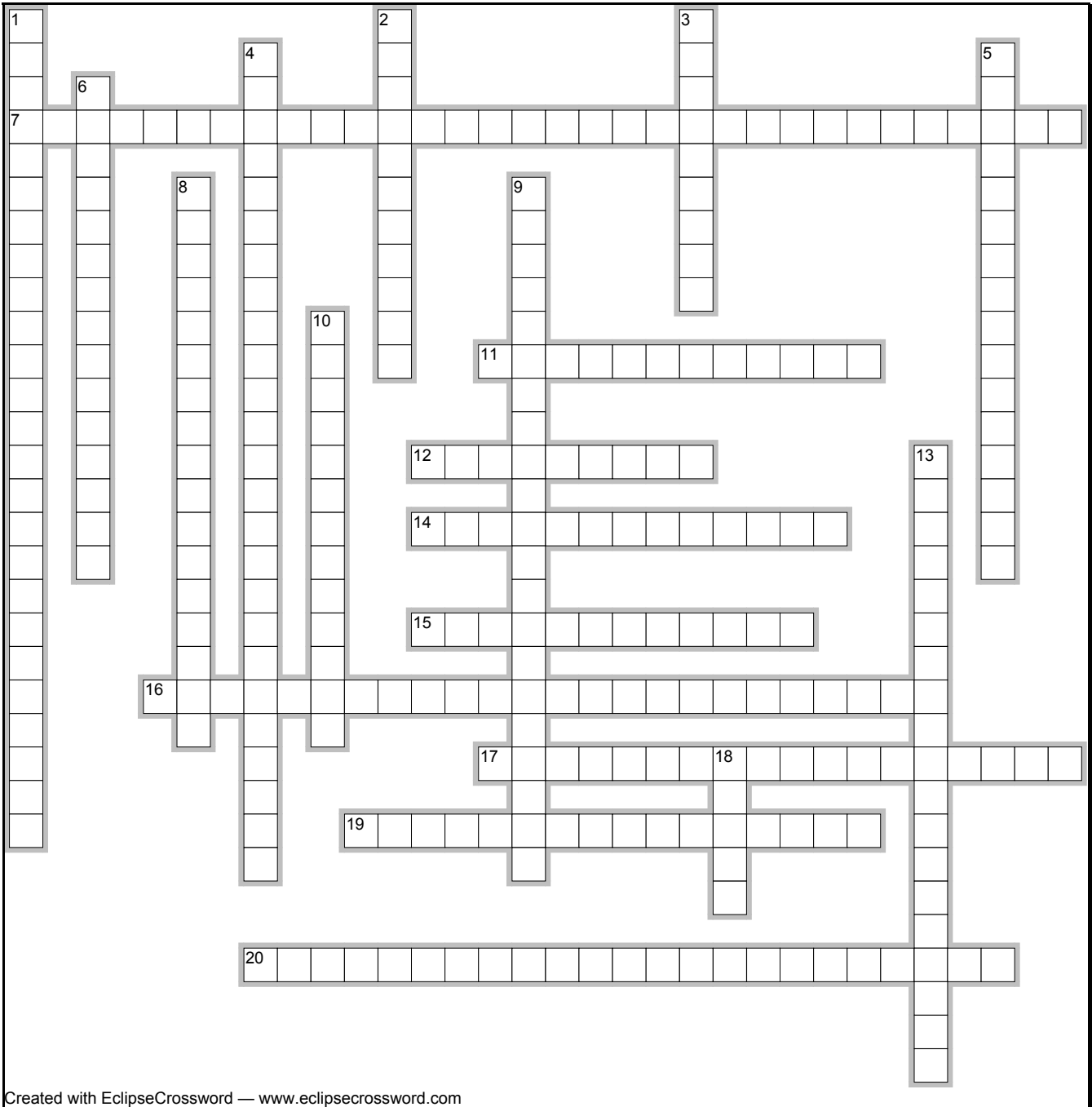
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VENTILATION & FILTRATION PRODUCTS

Crossword

Source – ASHRAE Insights – September 2005 – Clues on Next Page...



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Crossword Clues

Across

7. CTTC first satellite broadcast. (32)
11. Humidity is clearly his field. (12)
12. He is leading the sustainable energy initiative in the mechanical engineering school, Georgia Tech. (9)
14. He and his buddy won First Place in the architectural category, ASHRAE 2005 Student Design Project. (13)
15. Chicago's largest culinary import store. (12)
16. This scholarship was established in 1991. (24)
17. The oldest Episcopal church in Chicago. (18)
19. Each one produces about 16,175 kWh of energy per year. (16)
20. They won \$20 in the July "Building a Stronger Society" campaign. (23)

Down

1. 17 East Monroe Street, Chicago. (25)
2. He received ASHRAE's 2005 Henry Adams Scholarship. (11)
3. He and his buddy won First Place in the architectural category, ASHRAE 2005 Student Design Project. (9)
4. Tuesday, January 24 9am - noon. (25)
5. Meets LEED's silver standard. (16)
6. Twelve-piece show band. (15)
8. Dress properly at the Eli Cheesecake Factory (17)
9. January 21-25 Chicago. (21)
10. \$3 per year, not deductible. (13)
13. This gentleman lived in Whangaparoa, Auckland, New Zealand. (19)
18. ASHRAE's financial outlook. (5)

*** end of Communiqué ***



(your card here!)

