



# Capital Communiqué

2005–2006

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May 2006

## EVENING PROGRAM

- DATE:** Tuesday **May 16th, 2006.** Social: 18:00 Dinner: 18:30 Program: 20:00  
at La Contessa Banquet Hall, 156 Cleopatra Drive, Nepean, K2G 5X2
- THEME:** **History / Companions / Past-Presidents**
- PROGRAM:** **CIDA's Engagement in Afghanistan**
- SPEAKER:** **Jamie Graves**  
Assistant Director CIDA Afghanistan
- OVERVIEW:** **Canada's Development Strategy for Afghanistan**  
Being Implemented in a Whole-of-Government Approach
- SPEAKER BIO:** Mr. Jamie Graves is the Assistant Director (Planning), Afghanistan Program, CIDA. He is responsible for determining the priorities and strategic direction of CIDA's program in Afghanistan. Mr. Graves has close to twenty years' experience in the area of international development. He has worked in Equatorial Guinea, Chad and Malawi through the United Nations Development Program. He was the Assistant Resident Representative of UNDP and Head of Programs in Malawi. He has traveled extensively and worked in a number of missions in developing countries in Asia.
- Mr. Graves joined the Government of Canada in 1992 as a CIDA Management Trainee. Since graduating from the program, he has managed large portfolios in different branches of CIDA. This included the Agency's largest bilateral food aid program to Bangladesh, of \$60 million. He led the CIDA team responsible for the Vietnam Rural Poverty Reduction Program (RPRP), constituting one third of the program's Indicative Planning Figure of \$30 million over a 5 year period. Under his leadership, his team won a President's Award of Excellence for exceptional work in designing and implementing a large program that has been cited as a model for the Agency for its innovative programming.
- Mr. Graves has academic training at the graduate level with grounding in economics. He has an M.A in International Affairs from Carleton University and a partially completed M.Sc. in Agricultural Economics and Business from the University of Guelph. He is fluently bilingual.

### **Menu**

Hot and Cold Buffet  
Pastries  
Coffee and Tea



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President &  
CRC Delegate



## President's Message

by Jay Doshi

This is my last message as President of our most committed chapter, ASHRAE Ottawa Valley. The theme for May's meeting is **History/Companions/Past-Presidents**. Each Past President has contributed to the success of the chapter and as a result we have over 50 outstanding past-presidents of the chapter that we are indebted to for their efforts, and we celebrate their achievement.

At the May meeting we will also pay tribute to our Companions. Please encourage your Companion to join us for the tour and meeting following. We appreciate the support of our Companions in allowing us to use our personal time for ASHRAE activities. We are looking forward to reminiscing with our Past-Presidents who have all been personally invited to the meeting.

This was a challenging year for me personally, taking on the role of Chapter President and losing a chapter program chair at a critical time of program development. A highlight for me was being recognized as *Professional of the Year* by my company, making it an interesting year. This resulted in a promotion to take on added responsibilities of Engineering Supervisor for Eastern Canada, while still trying to transfer my two other roles of Energy Engineer and Lan Administrator to a new individual. If this was not enough, taking on the responsibilities of being a new father made this a year to remember.

I wish to thank the Board of Governors, committee chairs, committee members and the general membership for your efforts over the last year in operating the Ottawa Valley Chapter. With all of your help, we made it. Thank you to all employers who permitted and encouraged their staff to attend ASHRAE events or assist in the management of the Chapter.

My most important objective was to recognize the spouses and to involve more of our members in ASHRAE activities. We had some success, but still need more participation, particularly with the grooming of new members who aspire to Chapter Executive positions.

We had an exciting year that included a field program at the Royal Canadian Mint, a laboratory design seminar, and a broad range of interesting evening program topics and tabletop displays.

It has been an honour and a privilege to serve as your Chapter President this year. I wish incoming Chapter President Glenn MacLean and his incoming Board of Governors team much success for next year.

*"A President of the Chapter for a year, is a life long experience to be remembered, and a Past-President for Life"*

Thank you for your participation and support

In your service,  
Jay Doshi  
President 2005/2006  
Ottawa Valley Chapter ASHRAE  
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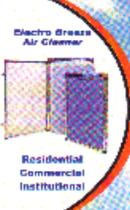
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Committee  
Chair



## Theme History / Companions / Past-Presidents

by Joel Primeau  
2005-2006 OVC Committee Chair

This month's theme is History / Companions / Past-Presidents. We commemorate our glorious past by inviting all of our Chapter's Past-Presidents (including me of course) and have us tell us our favourite stories over dinner.

Back in 2001, Mike Swayne made a focused effort at gathering our Past-Presidents and since then, we've had a great showing of Past-Presidents at our May meetings. As a Past-President myself, I always enjoy spending time with some of the really *old* Past-Presidents. For instance...

Last year, *Cathy Godin* was telling me how she used to work on the first refrigerated beer-truck in the 20's; that's a great story. Be sure to ask *Karen Peck* about how she used to shovel coal in the old Peck unit heater. And of course, I never tire of hearing *Jason MacMurdo* tell the story of when he improvised insulation for the old family homestead using wood chips, candle wax and saber-toothed tiger leather.

Past-Presidents have great stories to tell. We'll be recording many of them to continue the work that Frank Bann started with our 50<sup>th</sup> anniversary history book. Our first story teller will be George Carscallen; I'll be interviewing George shortly to record his best ASHRAE stories. I'll be calling on many of the Past-Presidents in the months to come to gather more stories from them; feel free to volunteer if you have a story or ten to tell.

*"This I regard as history's highest function, to let no worthy action be uncommemorated, and to hold out the reprobation of posterity as a terror to evil words and deeds."*

- Tacitus

Don't worry, I'll focus on the *worthy action* and edit out the *evil words and deeds*!

Joel Primeau, P.Eng.,  
Chapter Historian

### ASHRAE ANNUAL GOLF TOURNAMENT

Mark your calendars for this great social event!

Thursday September 14, 2006  
Loch March Golf & Country Club  
1pm shotgun start

All 2005 participants will receive pre-registration package mid-June.

Watch for more details on our website.



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**Rod Lancefield, P.Eng.**  
Branch Manager

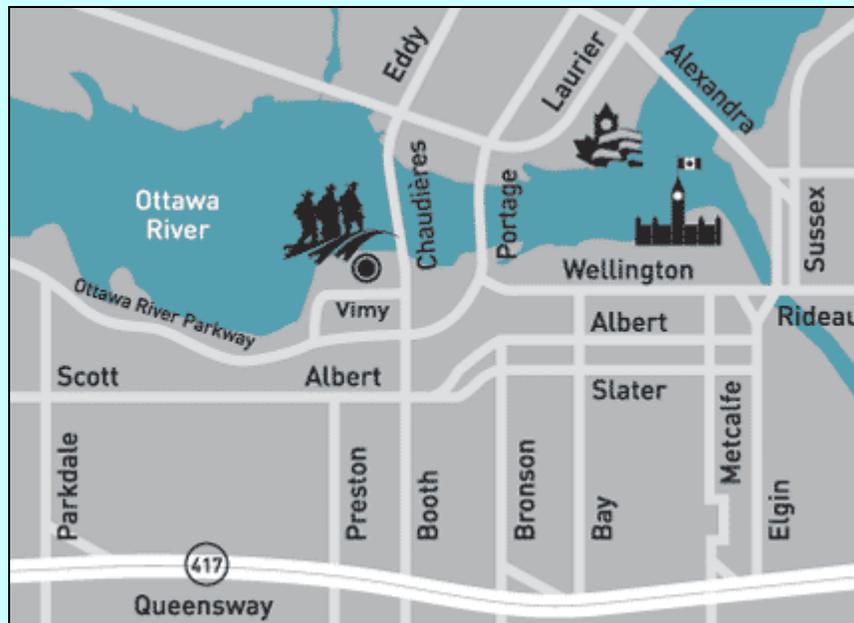
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## Tour: Canadian War Museum 1 Vimy Place, Ottawa, Ontario, K1R 1C2 Tuesday May 16<sup>th</sup>, 2006



ASHRAE Ottawa will visit the new Canadian War Museum. The tour will focus on the Museum's **architecture and its symbolism**. The tour can only accommodate 30 people, so please book early with Joel Primeau (via email at [joel.primeau@genivar.com](mailto:joel.primeau@genivar.com) or by phone at (613) 829-2800 ext 309).

The tour will begin sharply at 3:30pm and will take approximately 1 hour. Admission to the museum is included with the tour, so if you want to spend a little more time before or after the guided tour, please feel free to do so.



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Secretary



## What You Missed

April 18th, 2006 Chapter Meeting  
by Robert Lefebvre

The theme for April was **TEGA**, so what better night to present the chapter TEGA awards. For a full run down of the award recipients and pictures, refer to the excellent article by Robert Kilpatrick, later in this Communiqué. The evening program was *Hospital Filtration Systems and Airborne Contaminant Control*, and was presented by ASHRAE distinguished lecturer Brian Monk, P.Eng., VP Sales and Marketing for Circul-Aire. Brian explained the possible contaminants and gave examples of air quality requirements at various facilities. Three filtration technologies were discussed (particulate, chemical and biological) and examples were given of each along with their characteristics.



**Brian Monk P.Eng.**  
At the podium

Committee Chair



## New Members

by Christine Kemp  
2005-2006 OVC Committee Chair

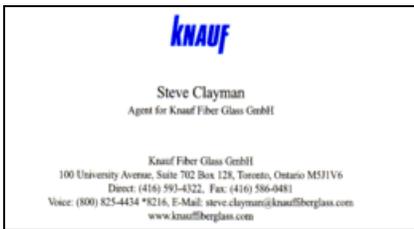
ASHRAE Ottawa Valley is happy to welcome our new members:

**Gregory Woods, Dave Gibbs & Kathryn Kuber.**

We also have one new student member, **Michel Brouillette.**

We are glad to have you all as part of our group. Enjoy your experience.

Christine Kemp  
Membership Promotion Chairperson



(your card here!)



Committee  
Chair



## ASHRAE Ottawa Valley Chapter Technology Awards 2006

by Robert Kilpatrick  
2005-2006 TEGA Committee Co-Chair

At the April Chapter meeting, Technology awards were presented in several building categories to worthy recipients of our chapter in recognition of their significant contributions in the application of ASHRAE based technologies in the design of their projects.

These awards are presented annually, first at the chapter level, and later at the regional level, to recognize the achievements of chapter members who design or conceive projects using proven innovative technologies, where effective energy use is achieved, or where an improved indoor environment is provided.

This year there were a total of six (6) winners in four (4) categories as follows:



### **1st Place New Commercial Buildings** **Rob Lefebvre, Goodkey Weedmark & Associates Ltd.**

-for 269 Laurier Avenue, Ottawa, a 19-storey downtown office building of 480,000 square feet.

### **2nd Place New Public Assembly Buildings** **Rob Lefebvre, Goodkey Weedmark & Associates Ltd.**

-for the Carleton University twin ice pad arena, a new 82,000 square foot facility consisting of two year-round ice rinks, locker rooms, meeting rooms and offices.



### **1st Place New Institutional Buildings** **Frank Bann, Goodkey Weedmark & Associates Ltd.**

-for Berrigan School, Barrhaven, a 2-storey 75,000 square foot elementary school for the Ottawa Carleton District School Board.

### **2nd Place New Residential Buildings** **Frank Bann, Goodkey Weedmark & Associates Ltd.**

-for Caritas Residence, a 3-storey, 38,000 square foot residence for the Grey Sisters of Immaculate Conception in Pembroke.

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(...cont.)



**1st Place New Public Assembly Buildings  
Marc Chiasson, Genivar**

-for the Bell SENSplex, a 180,000 square foot, multi-use sports complex located in Ottawa's west end, containing four (4) ice surfaces and a 21,000 square foot indoor playing field.



**1st Place New Residential Buildings  
Megan Wallace, Genivar**

-for NOTC (Venture) Phase II, a project consisting of two (2) buildings located at CFB Esquimalt, Victoria; a six-storey accommodations building of 78,000 square feet, and a dining building with full commercial kitchen, servery and dining hall.

I would like to thank all of those who participated in the Chapter Technology Awards this year, and to offer congratulations to the award winners identified above.

I would also like to encourage those who are involved in interesting and innovative projects at this time, or have been involved in projects in the past that will have at least one year of operational history by this time next year to consider making a submission for a Chapter award in 2007.

The TEGA committee also intends to forward submissions on to the Regional level this year for consideration, chosen from the winners identified above, or possibly from last year's submissions.

Watch for a follow-up in a future Communiqué.

Robert Kilpatrick  
2005-2006 TEGA Committee Co-Chair



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**Jack Teevens**  
General Manager

President-Elect &  
CRC Alternate



## BYORP (Bring Your Own Red Pen)

by Glenn MacLean  
2005-2006 OVC President-Elect

Every year, the various chapters in the ASHRAE organization track **PAOE** or Presidential Award of Excellence points. It is a system that was derived to promote various activities and prosper participation and growth in our local chapters.

The Ottawa chapter has historically performed quite well in the measured areas, but as of late we've noticed a decline in participation. Some of this decline is due to certain activities not being reported. We have provided links to the current lists of PAOE categories and the summaries of points collected to date on our website (refer to the electronic version of this Communiqué).

I urge all of you to review any or all of the categories and report to me or any member of the Board of Governors areas where we have earned participation points, but they have not been reported. Particularly of interest would be committee members reviewing their own committee's status.

I will bring hard copies of our current status to the next meeting and request people to 'mark up' the copies with any additional information or activities that we can report.

Cheers,  
Glenn MacLean

Swell Guy



## 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.

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President

Committee  
Chair



## Publications Purchased for Library

by Robert Kilpatrick  
2005-2006 TEGA Committee Co-Chair

Some of you may or may not know, but ASHRAE Ottawa Valley Chapter has a small library of material collected over the years, located at the Ottawa Construction Association offices, 196 Bronson Avenue.

This year, the TEGA committee made a commitment to update the library, using a small annual budget that is made available by the Board for that purpose.

So, we purchased five new publications in total, which we thought might be of most interest to you, including two (2) reference books, two (2) standards and one (1) guideline as follows:

- HVAC Simplified
- the ASHRAE GreenGuide
- Standard 15-Safety standard for refrigeration systems
- Standard 34-Designation and classification of refrigerants
- Guideline 0-The Commissioning Process

Please make use of them; they were purchased for you, the membership. However, we are asking that they not be removed from the premises of the OCA, so that they remain available for everyone.

We intend to purchase a few new current items every year, and these will be added to the collection.

cheers

*Dear Diary,*

*Last year I replaced all the windows in my house with those expensive double-pane energy-efficient kind.*

*But this week I got a call from the contractor who installed them, complaining that his work had been completed a whole year ago, and I had yet to pay for them.*

*Boy oh boy, did we go around! Just because I'm blonde doesn't mean that I am automatically stupid.*

*I proceeded to tell him just what his fast-talking sales guy had told me last year: namely, that in one year the windows would pay for themselves.*

*There was silence on the other end of the line, so I just hung up... and I have not heard back.*

*Guess I won that stupid argument!*

FRANK JEFFERIES, P.ENG.  
OPERATIONS MANAGER

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Governor



## Running Interference

by Rod Potter  
Editor, Governor, Gopher and Webmaster

I last wrote about the drudgery that is Interference Drawing work in January of 2003. For the last eight months or so I have been engaged in the production of such drawings for the new 13 storey University of Ottawa Multi-Disciplinary Facility, and the new Embassy of the United Arab Emirates, both under construction in downtown Ottawa.

Currently I am reading a marvelous novel entitled “Dark Matter” by Philip Kerr, which is about “The Private Life of Sir Isaac Newton”. Following is a passage I recently read:

*“Until I met Newton I was like London before the Great Fire, and gave little thought to the poor repair of my intellectual buildings. But when I encountered his spark, and the strong wind of his mind fanned the flames in the narrow streets of my own poor brain – which were quite filled with rubbish most of them, for I was young and foolish then – the fire took hold so quickly that it raged quite unchecked.”*

This somewhat brilliant passage describes how our hero quickly improves on a mental level as a result of spending time around Isaac Newton. However upon reading it I was reminded of what eight months of preparing interference drawings has done to me – effectively it has turned my brain into mush! In fact repeated hours of studying structural clearances etc. has caused me to have to down tools and turn on Oprah on more than one occasion (feeding my mushy brain even more).

Recently I asked a very learned colleague about the history of interference drawings and he explained that they have come about because “nowadays Consultants are expected to work harder with fewer resources and ever-lowering fees”. I expect he is quite right with this statement, but I would like to add that interference drawings would not be quite so necessary if Consultants would stop producing mechanical drawings at 1:100 scale. Also if one or two firms would pay a bit more attention to CAD layer control, half of the problems would go away. It seems apparent that many of our peers create CAD drawings for each discipline that are completely independent of each other – a separate drawing for plumbing, fire protection, and HVAC. If these were all part of the same CAD model, then interference problems are obvious. But here I am waffling on about something that is not likely to change.

One problem that I have encountered is that I have tended to create solutions to interference problems “on the fly”. I suppose the rules of the game would dictate that when I find a problem, I should merely bring this to the attention of the team – but my design experience allows me to simply redesign the system in question, and my project experience tells me that if I don’t, the waiting time for answers will prevent the building from appearing.

While I complain about the drudgery, every cloud does have a silver lining; I have learned a great deal about ducting manufacture, because my interference drawings are also developed into fabrication drawings. When we have our design hat on, it makes no difference where we place that duct branch. But when you are wearing an interference/fabrication hat, you know how long steel sheet lengths are, and you never place that branch on a joint. Another obvious advantage is that sleeving drawings are a de-facto by-product.

In the summer I will be working on one of the many school projects that are starting in Ottawa, and I will have my design hat on for that. I find myself wondering how much I will be affected by my fabrication knowledge when I am drawing the ducting layouts. I expect it would raise a few eyebrows with our friendly contractors if they were to see a tender set where the HVAC layouts accurately show where the joint lines are on the ducting!

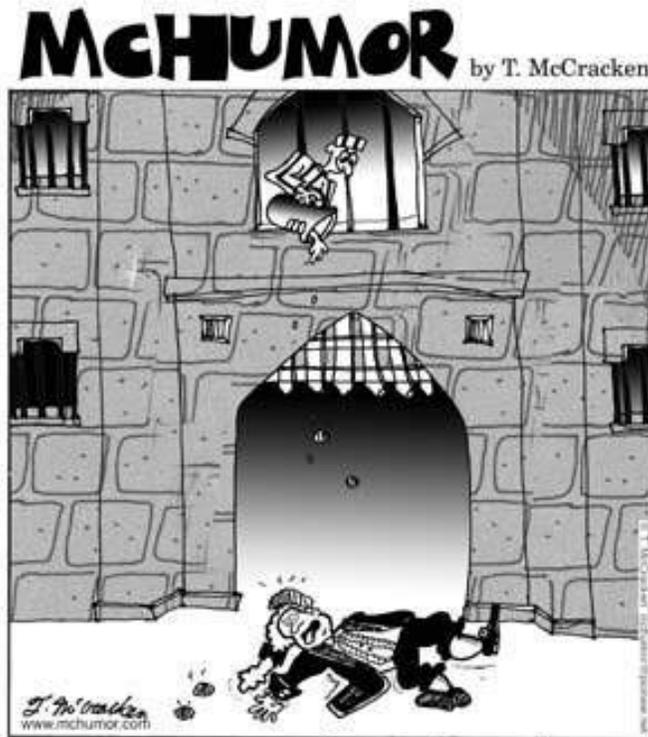
(...cont.)

Two things I can say about interference drawings now that my brain is filled with mush:

- When asked to give an estimated price for the preparation of these drawings, you should think of a reasonable amount and then **double it**.
- When starting these drawings, your first task without a doubt is to draw the sanitary and storm mains. Ducting can squash, rise and fall, but the plumbing pipes **must** fall according to code.

Finally I leave you with another quote from *Dark Matter*, which I include mainly because I find it hilarious:

*"We made our way to Newgate [prison], where my master, being recognised from one of the upper storey windows, and much hated among the prisoners for his great diligence, was obliged to dodge a bole of sh\*t that was thrown at him, and with such adroitness that I did perceive how, for all his fifty-four years, he was a most athletic man when the occasion demanded it. Entering at the gate, he made light of the ordure bole, saying that it was as well that it had been an apple that fell on his head and not a t\*rd, otherwise he should never have thought of his theory of universal gravitation, for he would have had nothing in his head but sh\*t."*



Newton regrets discovering gravity.

\*\*\* end of Communiqué \*\*\*



(your card here!)

