



Capital Communiqué

2004 –2005

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May 2005

EVENING PROGRAM

DATE: Tuesday May 17th, 2005. Social: 17:30 Dinner: 18:30 Program: 20:00

THEME: **History, Past Presidents, and Companions**

PROGRAM: **Information Management – Practical Approaches**

SPEAKER: **Lindsay Fraser**



OVERVIEW: What's hot in government today? Information management is what is hot – sizzling in fact! After nearly two decades of the use of electronic tools for the creation and manipulation of information, we are all coming to realize that we have a mess on our hands – an information management mess resulting from a lack of common processes and standards. Join us for a lively presentation of common information management challenges, entertaining anecdotes and practical IM solutions that all organizations can implement.

SPEAKER BIO: Lindsay Fraser is the Information Management (IM) Practice Lead for Systemscope Inc. an Ottawa-based IM/IT Consulting Firm. For over 10 years now Lindsay has been working in the Internet and IM/IT industry and has enjoyed considerable exposure both as a CBC radio Internet columnist and speaker at conferences in North America and abroad. Ms. Fraser hails from a family of professional librarians but is unquestionably the black sheep. Her library-steeped upbringing has clearly had an influence on her career as she has always had a particular interest in the information management issues heralded by the Internet and other Information Technologies.

Menu

Hot Roast Potatoes, Chicken with Mushroom Sauce, Rice Pilaf, Baked Fish
Meat Balls, Penne with Tomato Sauce, Cold Chef's Salad with Dressings
Potato Salad, Crab Salad, Pasta Salad, Chick Pea Salad, to name a few;
Assorted Cheeses, Coffee & Tea, Dessert



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President's Message

by Cathy Godin

Time flies and everybody talks about the weather and nobody does anything about it. It's pretty difficult to dispute either of these old adages and I can't help but wonder where the last year went as I contemplate my last chapter meeting as your ASHRAE Ottawa Valley Chapter President. It's been a lot of fun, a lot of hard work and deeply satisfying.

The last chapter meeting of the season is always a super one with the highest attendance. There are a few thematic reasons for this: May is History Month, Past-Presidents' Night and also Companions' Night. We award the student bursaries at the May meeting, and swear in the incoming Executive and Board of Governors. It's a jam-packed evening of ASHRAE business and pleasure.

Last year we attracted 15 Past-Presidents, many of them accompanied by their wives and husbands. I dearly hope that we exceed that number next week, although we lost two of ours in 2005, John Partington and Ray Young. It is a wonderful opportunity to catch up with these colleagues, many of whom are retired but keep a little toe in our industry.

May is also an opportunity for you to bring along a companion, maybe your spouse, who wonders just what it is you're up to eight Tuesdays a year. We attempt to keep it a less technical and more social meeting, and I encourage you to share the evening with a guest; your husband or wife, a child, a colleague or a student.

Also note that several of our Student Chapter advisors will be in attendance to award scholarships provided by the ASHRAE Ottawa Valley Chapter. It is our effort to encourage students in their studies that will one day promote the arts and sciences of heating, ventilating and air conditioning. Bravo to the Student Activities committee and the very active Carleton University and Algonquin College chapters.

CTTC which stands for Chapter Technology Transfer Committee is still managed by two committees in our chapter, those being Program and TEGA. We've enjoyed some great speakers and topics, thanks to Chris Workman and his committee's tireless efforts and we were delighted to have a full offering of projects and recipients for the TEGA awards.

Another success of the past year have been the tremendous feedback we've received on the format and content of the Capital Communiqué - keep it coming! Your contribution in the form of articles, interviews and announcements makes our publication something worth reading and more than a meeting announcement.

Our two special events, the golf tournament and the curling bonspiel, were both sell-outs and widely enjoyed by one and all. Watch for registration information for the 2005 golf tourney, which will once again be held at the Loch March this coming August 18th.

For those too numerous to mention, I thank you all for the support I received during the 2004-2005 season. On May 17th, I'll join the auspicious ranks of our 51 Past-Presidents and hope to see you all for many meetings to come. I wish continued success to Jay Doshi and his 2005-2006 Executive committee and Governors.

Sincerely,
Cathy Godin,
President (2004-2005)
ASHRAE – Ottawa Valley Chapter

John P. Lowery, P.Eng.
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Tour: Rideau Hall Tuesday April 19th Standard Public Tour

Time: Please contact Chris Workman at 613-729-2818 for details

The Regular Tour of Rideau Hall tours the 5 state rooms where many important ceremonies take place. The Guide will talk about the different roles and responsibilities of the Governor General as well as illustrate the evolution of the residence.

Throughout your tour, you will be able to admire the McMichael Canadian Art Collection at Rideau Hall. This exhibit, featured as a parts of the residence tour, comprises 12 paintings and drawings by some of Canada's most renowned artists. It includes Canadian landscapes by Emily Carr, Lawren Harris, Victoria Mamnguqsualuk, Franklin Carmichael and others.

You can access a map to Rideau Hall in PDF format at:

http://www.ashrae.ottawa.on.ca/ashraeoc_communique/Tour/RideauHallDirections.pdf

We hope you can make it!

Mangled Measurements 1:


Ratio of an igloo's circumference to its diameter = Eskimo Pi

2000 pounds of Chinese soup = Won ton

1 millionth of a mouthwash = 1 microscope

Time between slipping on a peel and smacking the pavement = 1 bananosecond

Weight an evangelist carries with God = 1 billigram



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Theme History – An Essay on Progress

by Joel Primeau

May 8th 2005, we celebrated VE day's 60th anniversary. I hope you took time to reflect on this occasion. And like me, your reflections may have concluded that "Peace" has a much different meaning today than it did in 1945.

For a long while, we thought "Peace" meant "absence of war" and we used to think that this was not sufficient. In the sixties, we wanted "Peace" to mean "Love" and "Sharing" and "Compassion" towards all humanity. But our 60s hippies became our 80s yuppies and chants of "Peace and Love" were quickly replaced with concerns over "Bull and Bear" markets.

Today, we live in an Orwellian time, where war is peace and peace is war. The American people have grown to accept the financial costs of questionable wars and they've accepted the horrors of war, and they are no longer concerned with the sight of body bags and weeping mothers. It all seems to make sense because of 9/11.

But as we are spending billions of dollars every year to fight wars in Iraq, Afghanistan and coming soon to a theater of operations near you: Iran. We are not investing in our future. Instead we are accelerating the pace at which we are depleting our finite resources and using them for destruction instead of growth. Let's stop fighting over oil and start finding solutions that do not rely on cheap abundant oil.

As an environmentalist and a humanist, I am very concerned with the future of our world. David Suzuki has been treated by the media and the politicians as a fringe radical with his message of environmental responsibility; the truth is that Suzuki was probably sugar-coating his message so the CBC execs would continue to fund his show. We are facing an environmental catastrophe. The melting icebergs will radically affect our climates; Europe will have much colder winters, North America will experience much warmer summers, the oceans will be much more violent causing more Tsunamis. And yet, the media continue to focus on the Jackson trial, same-sex marriage, Gomery, the in-fighting on Desperate Housewives and Georgia's runaway bride! We are facing serious problems in this country and around the world and we need serious politicians who'll have the fortitude to implement the harsh solutions that will be required.

Ronald Wright, author of "A Short History of Progress", noted that Man is the only animal who is more driven by cultural needs than by survival needs. This means that our hunting and gathering ancestors have evolved to a point where the whole world has become a protein buffet for humans and we no longer need to concern ourselves with the menial tasks of finding food and shelter. The Maoris refer to this as the "Great Forgetting" when Man began to take its environment for granted and stopped managing population growth. This phenomenon was experienced worldwide at around the same time. Here in North America, the Indians lived off the land and they mostly did so responsibly. When they would hunt the buffaloes with spears and arrows, they managed the resources well. When they learned to drive entire herds over a cliff: that was too much progress. Technology has obviously evolved much faster than we could handle it. But will we have the fortitude to make the sacrifices necessary to make our continued life on earth sustainable?

What can we do? ASHRAE President Bill Coad called on us to do the right thing now. He said (I paraphrase): *let's design and construct buildings that use less energy and resources as a matter of course, not just because it makes sense economically.* We need to be leaders in our fields. Bill Coad delivered a powerful message at our May meeting in 2001; his words moved me and I promised myself that I would do something about this. Many people talk about the weather but so few do anything about it... well guess what folks, you are actually in a position to do something about it. >

> How many Ottawa Valley ASHRAE members will have read this article? And then, how many of you will change your behaviour as a result of reading this article? Probably none. But I consider it my duty to let you know that action is needed. We cannot continue as we have. At the very, very least: insist on designing to ASHRAE 90.1, 2001 even if it's not part of the code yet.

Bill Clinton used to have a sign in the oval office that read: it's the economy, stupid! I have similar sign, it says: it's the environment, stupid! What does your sign say?

Did our grandfathers die fighting fascism in vain? Only to have us progress and prosper to an early extinction? We have witnessed many civilizations' extinction... we are repeating history at a faster pace but this time the extinction may not be limited to an unlucky percentage of the earth's population. You do the math.

Joël Primeau, P.Eng.
Principal, Arborus Consulting



New Members!

by Heather Garner

Here are the new members for March 2005:

New Students

Stephen Coghlan, new student
Scott Kosten, new student
Roderick McLeod, new student

New Members

Steve Cornick, new member
Charles Hage-Moussa, new member
Paul Pieper, new member

We welcome all of them and look forward to seeing them at future meetings!

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Table Top Display

by Gary Hartmann



Hydro-Air Components, a privately owned US manufacturer of hydronic heating & cooling equipment, will be displaying a small sampling of their products at our next ASHRAE meeting. Hydro-Air, located just outside Buffalo, NY markets their comprehensive product line under two major brand names:

Rittling - A line of baseboard fin radiation; convectors; unit heaters; cabinet unit heaters; standard, architectural, and security enclosures; kickspace heaters; plus a comprehensive line of Fan-Coil products;

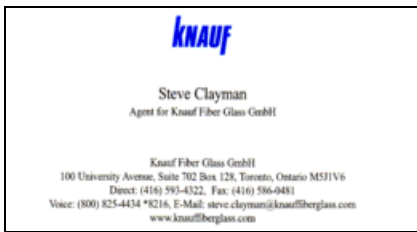
Panel Radiator - A line of "Eurostyle" radiation for baseboard and towel warmers.

Peter Jankowski, a Senior Account Representative, assists various local independent representatives across North America, including Breck-Mar Sales & Service, to maximize their sales & marketing efforts through product training, customer visits, and engineering presentations. Mr. Jankowski has spent the last 5 years promoting the company's products and will be available to answer any questions regarding the company and its products on May 17th.



Walmart Ventilation Products will be showing the new ABB ACH550 drive. The ACH550 is an adjustable frequency AC drive designed specifically for the HVAC market that achieves the ultimate in flexible motor control performance. With drives ranging from 1 to 550 HP, the ACH550 comes equipped with an extensive library of HVAC macros, that at a touch of a button allow rapid configuration of inputs, outputs and parameters for specific HVAC applications to maximize convenience and start-up time.

The ACH550 has a 110% short term overload rating for (1) minute out of (10) and is capable of >130% short-term overload rating for (2) seconds out of each minute. A trained ABB professional and Walmart consultant will be on hand to answer all of your questions with regards to variable frequency drives and their applications.



(your card here!)



People on the Move

by various



Jay Doshi has been promoted to *Engineering Supervisor, Eastern Canada*, at **Siemens**. Jay has lead the Energy Solutions & Services Canada engineering effort in the Ottawa branch for the last 11 years, and has been one of the key contributors to their success in the energy business. Jay's energy engineering efforts have resulted in the sales of some of Canada's largest energy performance contracts, most recently the \$8M Canadian Mint Project in Ottawa. Jay will be responsible for directing the development and activities of the engineering group in Eastern Canada



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

Mangled Measurements 2:

Time it takes to sail 220 yards at 1 nautical mile per hour = Knotfurlong

365.25 days of drinking low calorie beer = 1 Lite year

16.5 feet in the Twilight Zone = 1 Rod Serling

Half a large intestine = 1 semicolon

1,000,000 aches = 1 megahertz



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Nominations 2005/2006 Chapter Executive

by David Eastwood

The ASHRAE Ottawa Valley Chapter Nominating Committee presents the following nominations for the 2005/2006 Chapter Executive:


Past President - Catherine (Cathy) Godin
President - Jayendra (Jay) Doshi
President Elect - Glenn MacLean
Secretary - Robert (Rob) Lefebvre
Treasurer - Francois Belair

Board of Governors:
Michael (Mike) Derouin
Gary Hartmann
Patric St. Onge
Roderic (Rod) Potter
Stewart Woermke

2005-2006 ROSTER - COMING SOON

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- c) go to the upper horizontal task bar and click on Membership
- d) go to the left vertical task bar and click on Manage your Membership
- e) under Manage Personal Information click on Biographical Record System (this allows you to view your current information and make modifications)
- f) under Biographical Record System click on <http://xp20.ashrae.org/bio>
- g) re-enter ASHRAE ID (Member Number) and PIN (Confidential PIN number) and press Submit
- h) click on Create or Edit a BIO
- i) go to title 1a Basic Data and verify the information – if it is current, simply Exit the site/cancel your navigation, if your information needs to be revised, go to the fine print under 1a Basic Data and verify and click on “here to submit address, phone, fax...”
- j) enter the required address changes ONLY
- k) go to bottom of page and click on SEND TO ASHRAE



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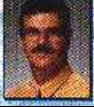


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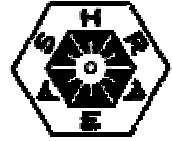
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Jack Teevens
General Manager



*Toronto ASHRAE Chapter Presents a
Seminar and Exhibition*

BUILDING HEATING AND COOLING SYSTEM SOLUTIONS

Wednesday, May 18, 2005

Sheraton Parkway Hotel – Richmond Hill (600 Hwy 7 East, at Hwy 404)

7:30 – 8:15 am Registration at the door
8:30 am– 4:00 pm Programs/Exhibition

Agenda includes:

- 1) Chilled Water Systems – *Mike Rosenblitt - LKM Consultants*
- 2) Variable Frequency Drives Applications – *Ken Fonstad, Danfoss*
- 3) Building Code Update, Bill 124 – *Al Suleman, Ministry of Housing*
- 4) Steam Conservation Program – *Bob Griffin, Enbridge*
- 5) Non-Traditional Ventilation – *Chris Pal- Norr Limited*
- 6) Life Cycle Cost Analysis – *Robert Charette, Concordia University*
- 7) PRODUCT EXHIBITION BREAKOUTS

Prices will include Lunch and Break Refreshments

Early Registration (May 9, 2005 Deadline)-	\$125
On-Site Registration-	\$150
Student-	75

Registration Contact: Wendy Joslin - ASHRAE Toronto Chapter
(905) 602-4714 x222, (905) 602-1197 (fax)
wjoslin@hrai.ca

To register, contact Wendy to reserve a spot (advise Wendy if you have special requirements).
(Early registration payment prior to May 9th is by cheque or VISA for \$25 discount, or cheque/cash at the door)

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TEGA Update

by Robert Kilpatrick
Technology Awards Coordinator

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 accomplishments 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 five (5) winners in five (5) separate categories as follows

1st Place New Commercial Buildings *Andrew Lawton, RJ Mckee Engineering*

-for 181 Queen Street, Ottawa, an 11-storey downtown office building, home of the new CBC Ottawa Broadcast Centre



1st Place Existing Commercial Buildings *Jay Doshi and Chris McKenzie, Siemens Building Technologies*

-for complete energy retrofits of 75 and 85 Albert Street, Ottawa, 11-storey and 15-storey respectively downtown office buildings built during the 60's and 70's



Cont...

...Cont.

1st Place New Institutional Buildings

***RJ Mckee Engineering design team, led by Chris Frauley
Herb Dean, University of Ottawa***

-for new University of Ottawa Biosciences Complex Phase 1, part of a new 190,000 square foot complex which will consolidate all of the University's biology and biochemistry labs.



1st Place Existing Health Care Facilities

***Jason MacMurdo and Stephen Tang Fong, RJ Mckee
Engineering***

-for electrical design of new 1MW cogeneration plant at Queensway Carleton Hospital, Ottawa



(no picture available)

1st Place New Industrial Facilities

Bruno Vallieres, National Research Council



-for an inlet air treatment system for an aircraft engine altitude test facility operated by Pratt & Whitney Canada. This system represents part of a newly developed gas turbine environmental research centre located at the NRC campus, Montreal Road, Ottawa.

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 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 in 2006.

Finally, I would like to thank Darryl Boyce, ASHRAE Society vice-president, for his assistance with the presentation of the awards.

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

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President

VENTILATION & FILTRATION PRODUCTS



Subash Vohra, P.Eng.
ASHRAE Society Life Member
by Robert Kilpatrick



At the April meeting, a long standing member of our chapter, Subash Vohra, was recognized as an ASHRAE Society lifetime member and presented with a lifetime certificate by Frank Bann, an Ottawa Valley chapter past-president, and current Region II vice-chair, Membership Promotion.

Subash holds degrees in Bachelor of Science and Bachelor of Science in Mechanical Engineering from Punjab University, India.

As well as being a member of ASHRAE, he is also a member of the Professional Engineers of Ontario (PEO), and the International Facilities Management Association (IFMA).

Subash worked in Germany from 1962 to 1964, after which he came to Canada and worked with a consulting engineering firm in Montreal until August 1966. In September of that year, he moved to Ottawa, where he joined the National Research Council as a mechanical engineer in Plant Engineering Services.

Over the course of his career at NRC, he has held a number of positions of increasing responsibility, including serving for 10 years as Director, Engineering and Maintenance, and finally his current position as Director General of the Administrative Services and Property Management Branch of the NRC, which he has held since 1997.

Subash joined ASHRAE Society in 1967, and became a member of the Ottawa Valley Chapter in the early 1970's.

Until recent years, Subash has been a very active member of our chapter, attending the monthly meetings on a regular basis, and serving on various committees over the years, as well as serving several years on the Board of Governors between 1977 and 1980.

Subash has been recognized in the engineering community for his leadership and contribution to energy management that resulted in NRC being named as "A Pioneer in Energy Efficiency".

Some of his projects have been considered models in the public and the private sector. He is the recipient of the first Federal Energy Innovation Award, the Treasury Board Award for Leadership in the Federal Real Property Community, the Ontario Hydro's Energy Efficiency Award, ASHRAE Technology Awards, the Governor General of Canada's Medal for Contributions to Canada and the Queen's Golden Jubilee Medal.



ASHRAE OVC Student Scholarships

by Chris Fudge



This year Junjie Gu, Ph.D., of the Dept. of Mechanical and Aerospace Engineering at Carleton University, has nominated the following two students:

1. Ryan Leonard, undergraduate student, having a strong interest in HVAC industry; and
2. Linghui Zhu, graduate student, Master of Science program, thesis topic is on "Automotive Air Conditioning Systems".

Both of them are top students in his "Heating and Air Conditioning" class, and he will ask them to come to the May 17th's meeting for the award presentation.



Power Market Seminar – Direct Energy

by Michael Derouin

Direct Energy are holding a Power Market Seminar at the Corel Center on May 25th, 2005.

Details in PDF format can be accessed on our website at:

http://www.ashrae.ottawa.on.ca/ashraeoc_communique/Announcements/DirectEnergy/PowerMarketInvitationFinal.pdf

You can also access a fax-in registration form at:

http://www.ashrae.ottawa.on.ca/ashraeoc_communique/Announcements/DirectEnergy/PowerMarketFaxResponseFinal.pdf

Mangled Measurements 3:

Basic unit of laryngitis = 1 hoarsepower

Shortest distance between two jokes = a straight line

453.6 graham crackers = 1 pound cake

1 million microphones = 1 megaphone

1 million bicycles = 1 megacycles



Are YOU Microsoft Compatible?

by Rod Potter

I have always assumed that Microsoft Compatible referred to whether a piece of software met a certain standard for performance and other related criteria, all revolving around how well the program will integrate with the operating system etc. The whole idea that something should stand up to such scrutiny can only be a good thing, because many things that we assume to be on the right track eventually turn out to be nothing of the sort. I could wax lyrical about political parties here but this is not the forum for such rants.

About six months ago I finally decided to purchase one of these swanky flip-phones from my cell phone company and I made the stupid mistake of assuming that I would get better service at the “Corporate” office. Visits to the franchise store revealed that there were going to be some rather questionable service charges slapped onto my bill if I used them, so I visited a Corporate office instead.

These people managed to get the phone I wanted but treated the whole transaction with quite a lackadaisical attitude. The receptionist told me that somewhere in there mess they called an office they had a clever machine that would read the phonebook entries from my old phone and magically flood them into my new phone. Alas this gizmo was never found and now I am still left fiddling with my old phone to find those all-important contact numbers. The people in the Corporate office were definitely **NOT** Microsoft Compatible.

I am just nearing the end of three years as webmaster for ASHRAE Ottawa Valley Chapter, and I have learned a lot in the process. Many people try to be good at what they do, many actually achieve it, and others just keep on trying. It has been a great pleasure working with the various members of the Chapter Executive, both past and present, and I will say this: all of that bunch **ARE** Microsoft Compatible.

Which leads me to the subject of Catherine Godin. I first met Cathy in the Trane Ottawa office about four years ago during a visit to see Joel Primeau. She appeared in the reception area and greeted me – for some reason she knew who I was although we had never met. Joel introduced me and she said “yes I know Rod – he’s a keener”. Some of you will already know that my personal phrase to live by is “*Motivation is Key*”, which attempts to say in a nutshell that anyone can perform a task, but one must be *motivated* to perform it well. I think Cathy noticed that drive in me years ago because she lives by very similar ideals herself.

The membership is somewhat insulated from the monthly ASHRAE OVC process that takes place behind the scenes. There is a fair amount of work undertaken by all members of the executive each month, and our conductor each year is the current President. This year the OVC machine has been running like clockwork – and it is ALL down to Cathy Godin. Simply stated, she is the most impressive person I have ever encountered in my dealings with ASHRAE, and if I had the means, I would employ her myself. Maybe we are both anally-retentive, and we like it. Whatever it is, I hope the membership realizes that it has been an honour to have her as our 2004-2005 President. She will be sorely missed, she has the *Right Stuff*, and she is **ENTIRELY** Microsoft Compatible.

This leads me to the quick surf I had over to the Microsoft website, searching for the actual *definition* of Microsoft Compatible. You might be interested to note that no matter how much searching I did on their website, I could not find the answer.

Perhaps Microsoft themselves are **NOT** Microsoft Compatible... Go figure.

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ASHRAE OTTAWA VALLEY CHAPTER MEETING LOCATION

Our meeting location is **LA CONTESSA BANQUET HALL**, 156 Cleopatra Drive, Nepean, K2G 5X2
Tel. 613-224-8700. Parking is available just to the north of the building in a small multi-storey parking lot.
Make sure you lock your car and bring your valuables with you.

*** end of Communiqué ***



(your card here!)

