



Capital Communiqué

2006 - 2007

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<http://www.ashrae.ottawa.on.ca> OTTAWA VALLEY CHAPTER e-mail: contact@ashrae.ottawa.on.ca

April 2007

EVENING PROGRAM

DATE: Tuesday **April 17, 2007**. Social: 17:30 Dinner: 18:30 Program: 20:00
La Contessa, 156 Cleopatra Dr., Nepean, Ont., (613) 224-8700

TOUR: **Roger Guindon Hall – BSL Level 3 Facility**

THEME: **TEGA**

PROGRAM: **Global Warming**

SPEAKER: **Al Gore** (not really)

OVERVIEW: The evening program will be a showing of the documentary “**An Inconvenient Truth**” narrated by Al Gore. The documentary summarizes the evidence of global warming and some of the obvious warning signs that could or have already occurred.



“Humanity is sitting on a ticking time bomb. If the vast majority of the world's scientists are right, we have just ten years to avert a major catastrophe that could send our entire planet into a tail-spin of epic destruction involving extreme weather, floods, droughts, epidemics and killer heat waves beyond anything we have ever experienced.

”If that sounds like a recipe for serious gloom and doom -- think again. From director Davis Guggenheim comes the Sundance Film Festival hit, AN INCONVENIENT TRUTH, which offers a passionate and inspirational look at one man's fervent crusade to halt global warming's deadly progress in its tracks by exposing the myths and misconceptions that surround it. That man is former Vice President Al Gore, who, in the wake of defeat in the 2000 election, re-set the course of his life to focus on a last-ditch, all-out effort to help save the planet from irrevocable change. In this eye-opening and poignant portrait of Gore and his "traveling global warming show," Gore also proves himself to be one of the most misunderstood characters in modern American public life. Here he is seen as never before in the media - funny, engaging, open and downright on fire about getting the surprisingly stirring truth about what he calls our "planetary emergency" out to ordinary citizens before it's too late....”

Approximate Menu

Hot and Cold Buffet

Dessert & Coffee

Chapter Members: \$25.00 Guests: \$30.00

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President &
CRC Delegate



President's Message

By Glenn MacLean

Springtime in the Nation's Capital. Soon we'll be able to enjoy the occasional extended lunch on our preferred patio. Walking outdoors can be a pleasurable activity to be savoured, as opposed to a hurried necessity to get to your vehicle or next building for a meeting. Free cooling offers pleasurable temperatures and fresher environments indoors, and the increased daylight brings us to and from work now in better spirits. Baseball season is about to start, and we can look forward to up to two and a half months of Hockey playoffs (hopefully with Ottawa, and without the Leafs). We're down to our last 2 meetings for this ASHRAE season and they both offer opportunities you don't want to miss.

We just had our very successful Curling Bonspiel (more successful for some of us than others). Thanks to Chris Healey for organizing the event again, and to Stan Milross for being our M.C. This is always one of the highlights of the year, and a great opportunity to have fun while enjoying the marvels of Refrigeration technology. Check out the link to view photos of this great event. Thanks also to Rod Potter for volunteering his time to be official photographer of the event.

We have an excellent program for the April meeting and a tour planned of the newly expanded University of Ottawa building, Roger Guindon Hall. Please take note that hard hat and boots are required for this tour. April is also TEGA month, so we'll be looking to finalize submissions for our technical awards competitions. If you haven't already done so, please contact Bob Kilpatrick or Frank Vaculik for details. It's really quite simple to complete the preliminary information sheet, and we've got two great individuals ready to assist you.

I look forward to seeing you all on April 17th.

In your service,
Glenn MacLean
President 2006-2007
Ottawa Valley Chapter ASHRAE
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MEN vs. WOMEN

1. NAMES

If Jane , Linda, Elizabeth and Barbara go out for lunch, they will call each other Jane , Linda, Elizabeth and Barbara.

If Mark, Chris, Eric and Tom go out, they will affectionately refer to each other as Fat Boy, Godzilla, Peanut-Head and Scrappy.

John Lowery, P.Eng.
Senior Territory Manager



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Committee
Chair



Theme: TEGA Chapter/Regional Technology Awards Program: Deadline Extended

By Robert Kilpatrick
Committee Chair

ASHRAE OVC COLLEAGUES, it is not too late; the deadline has been extended for submitting an entry for consideration in the 2007 edition of the Technology Awards Program for the Ottawa Valley Chapter and Region II.

The new deadline is now **April 30, 2007**.

The awards will be presented to the deserving recipients at the May Chapter meeting, which will be attended by Terry Townsend, ASHRAE Society President.

What a tremendous opportunity for recognition for your organization and for worthy individuals who have successfully applied innovative technological concepts or approaches.

So, please take the initiative to nominate a project; all that is required is to complete a very simple, short-form application and to provide a minimum amount of documentation on the systems or concepts used in the project.

An electronic form is available here:

http://www.ashrae.ottawa.on.ca/ashraeoc_docs/Technology Award Application Short Form.pdf

The completed applications should be sent as soon as possible by e-mail to me, at

robert.kilpatrick@nrc-cnrc.gc.ca

Many thanks,
Bob Kilpatrick
TEGA Awards Coordinator

MEN vs. WOMEN

2. EATING OUT

When the bill arrives, Mark, Chris, Eric and Tom will each throw in \$20, even though it's only for \$32.50. None of them will have anything smaller and none will actually admit they want change back.

When the girls get their bill, out come the pocket calculators.

3. CATS

Women love cats.

Men say they love cats, but when women aren't looking, men kick cats.



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Tour: Roger Guindon Hall BSL Expansion University of Ottawa off Smyth Road, next to CHEO

The project includes numerous Biosafety Level 2 and Level 3 Containment Laboratories, Animal Colonies, also within Level 2 and 3 Containment, Kidney Research, Neural Research, Occupational Research, Support Spaces and Teaching areas. Mechanical systems include specialized space pressurization controls, biowaste segregation, specialized exhaust systems and particular attention to air filtration and containment. Electrical systems are all new to support the increased building loading. Overall project value \$30M (Mechanical and Electrical \$11M). Area 106,000 sqf.

SITE TOUR:

3:30 PM TO 5:00 PM- TOUR OF THE NEW FACILITY

Guided by **Herb Dean** of Ottawa University, and **Mike Swayne** of Jp2g Engineering



Park in the adjacent CHEO lot. Call Mike Swayne on 613-371-5072 or email him at mswayne@jp2g.com by Friday 13th April if you wish to attend this tour.

HARD HATS AND WORK BOOTS REQUIRED.



What You Missed

March 20th, 2007 Chapter Meeting
by Francois Belair
Chapter Secretary 2006-2007

Last month Mr. Dan Leduc of Ogilvy Renault discussed the **construction lien act**. This powerful piece of legislation is the cornerstone for all seeking compensation in the construction process including Engineers and Contractors.

Unlike past contract law presentations, Mr. Leduc presented his subject(s) with a great deal of flair and an obvious passion for his work. Born the son of an electrical contractor, Mr. Leduc deviated from his destined path to follow a profession that many contractors and engineers wish did not exist. One of only a half dozen construction law professionals, I would not be the least bit surprised if he were the city's top construction litigator.

Dan's presentation began by covering the basics of construction law, contracts A and B, pitfalls, major legal precedents and then offered some wisdom to all those who may have to pursue legal action, hire a mediator and settle before any litigation is required. His advice, although self evident to many, is only lawyers win when a trial goes the distance. Judges and sometimes juries are not construction experts and so the litigator's job is to paint a very simple picture of the case using bristol boards, experts, tight black gloves and stacks of legal precedent.

By trial's end, the perspective which judge and jury understand is the one which wins. With construction law it seems that due to the technical nature of the content, facts rarely win cases; it is sharp legal teams and simple approaches that come out on top.



Membership - New Members Welcomed

by Christine Kemp
2006-2007 OVC Committee Chair

Welcome **Sergiy Franchuck** and **Marc Bertolin** as new members to the Ottawa Valley Chapter.

We are happy to have you join our group.

Thank you.
Christine Kemp
ASHRAE Ottawa Valley
Membership Chair Person

MEN vs. WOMEN

4. OFFSPRING - Ah, children.

A woman knows all about her children. She knows about dentist appointments and romances, best friends, favorite foods, secret fears and hopes and dreams.

A man is vaguely aware of some short people living in the house

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President & CRC Delegate



Student Sponsorship (Adopt a Student Program)

By Glenn MacLean

This year, as with most years, we are encouraging students from Carleton, University of Ottawa, Algonquin, CEGEP de L'Outaouais, and La Cite Collegiale to join us at our monthly meetings. We typically have two student nights per year in October and January, but encourage students to attend whenever their schedule permits. On student nights we invite the students to attend our meetings and we pick up the cost of their meals. This is a program we have been offering for some time, and wish to continue to offer in the future. However, as the program becomes more successful it also creates a greater draw on our Chapter funds and resources. We would also like to extend this offer to students attending on other nights as well. Currently, students are charged \$15 per meal when they attend on their own. Meals actually cost more than this, but any contribution members are able to make is appreciated.

If your company or you personally are interested in sponsoring a student for January's meeting or future meetings, please contact our Treasurer, Imtee Baksh imteeb@lonhill.ca, or see him at the check-in table at our monthly meetings. As a way of recognizing our members for their contributions we will give you a receipt for your investment in Student Activities, publish your name or your company's name on our website, and include you in our list of previous donors in the Capital Communiqué.

Thank you for your support,
Glenn MacLean

Back in 1946 the 3 Goldberg brothers, Norman, Hyman, and Max invented and developed the first automobile air-conditioner. On July 17th, 1946, the temperature in Detroit was 97°. The 3 brothers walked into old man Henry Ford's office and sweet-talked his secretary into telling him that 3 gentlemen were there with the most exciting innovation in the auto industry since the electric starter.

Henry was curious and invited them into his office. They refused and instead asked that he come out to the parking lot to their car. They persuaded him to get into the car which was about 130° - turned on the air-conditioner and cooled the car off immediately.

The old man got very excited and invited them back to the office, where he offered them 3 million dollars for the patent. The brothers refused saying they would settle for 2 million but they wanted the recognition by having a label "The Goldberg Air-Conditioner" on the dashboard of each car that it was installed in.

Now old man Ford was more than just a little bit Anti-Semitic, and there was no way he was going to put the Goldbergs name on 2 million Ford cars.

They haggled back and forth for about 2 hours and finally agreed on 4 million dollars and that just their first names would be shown.

And so, even today, all Ford air-conditioners show on the controls, the names "Norm, Hi, & Max".

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The Energy Conservation People

President-Elect &
CRC Alternate



News Update

By Robert Lefebvre

Technical News:

Addenda Open for Review for ASHRAE 62.1 - Ventilation for Acceptable Indoor Air Quality

March 26, 2007, ATLANTA

There are five proposed addenda to the ASHRAE 62.1 standard are open for public review until April 30.

Proposed addendum 62.1c would add air cleaning requirements to section 6 of the standard. If approved, systems in non-attainment areas for particulate matter with diameter 2.5 microns (PM_{2.5}) would need to use intake air filters with minimum efficiency reporting value (MERV) 11. The use of better filtration would improve indoor air quality, according to Dennis Stanke, chair of the Standard 62.1 committee. In addition, systems in areas designated by the U.S. Environmental Protection Agency as "serious," "severe," or "extreme" non-attainment areas for ozone would require ozone air cleaners with at least 40 percent efficiency.

"The standard has required 40 percent efficient ozone air cleaning for some of these high-ozone areas since 2004, but designers have had difficulty determining when this requirement applies," Stanke said. "If more designers understood which geographical areas require ozone air cleaning and used 40 percent ozone air cleaners in those areas, indoor air quality would be improved for many people."

Also open for public comment is addendum 62.i, which would change minimum outdoor airflow requirements for zones with environmental tobacco smoke (ETS) as described in section 6.2.9.

"This issue attracted significant interest during its first public review period, resulting in many comments," Stanke said. Based on public input, the current addendum was revised and now requires that ETS be supplied with more outdoor air than areas with the same occupancy category but without ETS (i.e. ETS-free areas). The outdoor airflow rate would be determined using "engineered methods with the approval of the authority having jurisdiction."

"Some committee members feel that including a requirement for increased outdoor air flow would imply that dilution ventilation can be used to achieve acceptable IAQ in the presence of ETS, and that the 'engineered methods' requirement places an undue burden on local authorities," Stanke said. "The majority, however, feels that removing all reference to outdoor airflow in ETS would mean that any outdoor airflow rate - even a rate below that required for ETS-free areas - would comply with the standard, and that local code authorities must always approve engineered solutions. We'll see what the public thinks based on this second public review."

(cont...)

(...cont.)

Other 62.1 addenda open for review are:

Addendum 62.1a - addresses compliance issues that may result from unclear wording or phrasing in section 5.

Addendum 62.1b - clarifies informative language in Appendix C, D and F.

Addendum 62.1d - adds the following occupancy categories to Table 6-1: kitchens, banks and bank lobbies, breakrooms, sorting, packing, light assembly, general manufacturing and storage rooms (dry).

Proposed addenda to ASHRAE standards are available during public review periods. To read the addenda or to comment, visit www.ashrae.org/publicreviews.

Sustainability News:

MOVING BEYOND PLATINUM: The Living Building Challenge

Hoping to transcend the prevailing mindset in the green building community, in which a Platinum score in the U.S. Green Building Council (USGBC) LEED® Rating System is the highest possible achievement, the Cascadia Region Green Building Council, a chapter of both USGBC and the Canada Green Building Council have issued the [Living Building Challenge](#). Buildings that meet this challenge will generate all energy needs with renewable resources, capture and treat all water on site, and use resources efficiently.

With the intent of being a true measure of sustainability, there are no levels of certification; a building either passes or it does not. The system is based not on prescriptions but rather on performance. A Living Building certification will not be awarded until a building has been operating and audited for at least one year.

This article is based on a news release from the Environmental Building News, Volume 15, Number 12



2007 ASHRAE Curling Bonspiel

by Chris Healey
2006-2007 OVC Committee Chair



The 2007 ASHRAE Curling Bonspiel was a huge success again this year. Sixteen teams took part in a day filled with fun and in some cases 'adventure'. The team from **Engineered Air** did what no team has done in recent years, **they repeated as champions**, congratulations to: Kevin Thompson, Dave McClatchie, Anne Hammelin and team captain (Your chapter President) Glenn MacLean.

Thanks to **Stan Millross** for acting as the MC, and to Capone's Catering for a great meal.

See you all at the golf tourney!

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Committee
Chair



NCR **NIRAJ CHANDRA REPORT**
OUR GUY ON SITE

ASHRAE Satelite Broadcast
Invitation - ASHRAE Indoor Environmental Design

Trane Ottawa has kindly offered to host this satellite broadcast at their west-end facility.

Anyone wishing to attend can download an attendance notification form here:

http://www.ashrae.ottawa.on.ca/ashraeoc_docs/Invitation - ASHRAE Indoor Environmental Design 4-18-2007.pdf

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MEN vs. WOMEN

4. BATHROOMS

A man has five items in his bathroom: a toothbrush, shaving cream, razor, a bar of soap, and a towel from the Marriott.

The average number of items in the typical woman's bathroom is 337.

A man would not be able to identify most of these items.

5. ARGUMENTS

A woman has the last word in any argument.

Anything a man says after that is the beginning of a new argument.

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Jack Teevens
Region General Manager

Swell Guy



Ottawa Regional Science Fair March 31st, 2007

By Stephen Lynch
Regulvar

(we still do not have a recent photo of Stephen so George agreed to stand-in again)

Glenn Maclean, Jason Alexander, Patrick Albert and I attended the Ottawa Regional Science fair and viewed over 20 projects that either applied for the ASHRAE award or were found to be related to ASHRAE in some way. There were several entries to consider, however none of senior projects seemed applicable to ASHRAE.

In the end, we did award 3 prizes:

Junior Awards

The Evaporation Cooler by Brett Hollingshead from Greenbank Middle School

This project explained the effects of evaporative cooling using a fan, heat source, basin and a burlap bag. After showing us how effective his setup was he explained how evaporative cooling can be applied in everyday life; a very informative and extremely thorough presentation. He thought of this experiment on a hot day while wearing a wet T-Shirt. Hmmm.



(cont...)

(...cont.)

Junior Awards

The Great Canadian Clothes Dryer by Kevin Burke of Summit Alternative School

This project analyzed the water content of air and determined the most effective process to dry clothes; using outside air versus inside air. In addition, Kevin came up with a brilliant heat reclaim application to make the drier even more efficient. An amazing display of experimentation, mathematics and engineering concepts; I have personally never seen a psychrometric chart used with such precision. I want to know who at Trane supplied this young scholar with such a precise tool.



Intermediate Awards

Chauffage à Induction by Denis Séguin of Collège Catholique Samuel-Genest

This project was about induction heating and its efficiencies. Denis made his own induction heater and was able to heat water faster using less energy than a typical heating system. He discussed the different applications where induction heating can be applied such as boilers.

(George's Factoid – The restaurant 360 in the CN Tower cooks everything at the restaurant with induction cookers.)



Each winner was presented a cheque for \$200 that they will hopefully use towards furthering the scientific research. A complete list of the winners can be found at <http://www.orsf.ca/sfiab/winners.php>


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Past President



Research Promotion 2006-2007

by Jay Doshi P.Eng.
Chapter President 2005-2006

I am pleased to inform you that we raised \$510 through Senator Playoff Hockey raffle tickets for ASHRAE Research at our 2007 Curling Bonspiel. Thank you to **Cathy Godin** and **Glenn MacLean** for spearheading the raffle draws at the curling event. The playoff tickets were donated by Siemens and the raffle winner is **Stan Millross**.

HAVE YOU DONATED TO ASHRAE RESEARCH YET? If you haven't, we need you to come forward and donate! The region is behind by 45% from where we should be at this time and so we all need to get into high gear to make sure that we meet our goals for the region as well as for the Ottawa Valley Chapter.

WHY SHOULD YOU DONATE?

This is a good cause as you all know; it's our livelihood.

Research today means opportunities tomorrow and increased business.

Research contributions by individuals of \$ 100 CDN or more and corporate contributions of \$ 150 CDN or more will qualify the donor to receive a commemorative coin

Your name listed is in the 2006-2007 ASHRAE Research Investors Honour Roll, ASHRAE Journal magazine, on the Ottawa Valley Chapter website and on table cards at the chapter meetings

HOW WILL YOUR INVESTMENT IN ASHRAE RESEARCH HELP US?

All funds raised in Canada go towards ASHRAE Research Canada;

ASHRAE has a policy of matching contributions dollar for dollar with the revenues generated from the Winter AHR Expo
Canadian companies/institutions receive more funds per Society member than our American counterparts;

Canadian companies/institutions are recognized as leaders in research.

Every dollar being contributed in Canada, about four (4) U.S. dollars are being reinvested back into Canadian HVAC&R research projects

Please take a moment and check out the web site for further information on ASHRAE Research..

We sincerely hope that that you and your company will once again renew, or even increase, your much needed investment in ASHRAE Research Canada. Our industry is experiencing great times and I would hope that our donations to ASHRAE research would reflect this. Please help us reach our objective of \$16,000 by donating.

Your investment is needed today; next year's research budget is based on contributions received this year by June 30th!
Please consider renewing your support as soon as possible so we can put your investment to work as well as recognize your contributions on our website immediately.

Thank you for your support.

In your service,

Jay Doshi

E-mail: jay.doshi@siemens.com

Research promotion Chair 2006-2007



Special Notice Date Change for May Meeting

By Glenn MacLean

Mark your calendars, send yourself a meeting reminder, synchronize your Blackberry's!

The May meeting will be held on **May 29th**, the **last Tuesday of the month**. Meeting location has not changed.

Terry Townsend, President, ASHRAE Society will be our guest speaker for the evening and will speak on his concerns about Climate Change and his vision of Sustainability. This is a rare opportunity for us at the chapter level, however, due to Mr. Townsend's busy schedule we were asked to change our meeting date to be able to accommodate his visit.

We will continue to remind all our members in the meetings and newsletters to follow, and have updated the meeting date on the website. *Please pass the word - this is not a meeting we want you to miss.*

Regards,

Glenn MacLean



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, rodl@htseng.com, (613) 728-7400.

An Irishman was terribly overweight, so his doctor put him on a diet.

"I want you to eat regularly for 2 days, then skip a day, and repeat this procedure for 2 weeks. The next time I see you, you should have lost at least 5 pounds."

When the Irishman returned, he shocked the doctor by having lost nearly 60 POUNDS!

"Why, that's amazing!" the doctor said, "Did you follow my instructions?"

The Irishman nodded..."I'll tell you though, by joesuz, I t'aut I wus gonna drop dead dat 3rd day."

"From hunger, you mean?"

"No, from fookin' skippin'"



Your card here!



Past President



Table Top Display

by Frank "Johnny Cash" Bann
Past President 2001-2002



Stealth Wide Super Modular with UVC Germicidal Air Filtration System is a Great Combination That Trap, Hold and Destroy Microorganisms

Stealth Air Cleaners UVC offers the best in UV technology for all air handler applications. With our unique remote mountable UVC Lamps we have detached the lamps from the power supply to allow for more installation flexibility. Our Air Handler Mounted Series (AHU) Power Supply is completely water-resistant and can be mounted directly within the air handler for tight installations. Plus, we offer the only truly water-resistant lamps on the market for mounting in "wet" locations. Our TUV-200 series lamps incorporate a shielded design which provides stable lamp operation in cold areas to maintain lamp life and by enhancing the lamps filament technologies we are able to offer effective lamp life-spans as long as two years of continuous use.

Siemens Direct Mount Stand-Alone Controllers- The Siemens Direct-Mount Temperature Controllers are designed and intended for fluid and air ducted heating and cooling applications. No programming involved, and their design allows them to be mounted directly to the point of control. The controllers have sensing elements built into the devices with additional sensing capability for setpoint reset based on outside air temperature. Four controllers are offered that cover a wide variety of applications from supply air temp control to boiler temperature control with setpoint reset based on outside air temperature with day/night setpoints to name a few.

Siemens RDU Series Thermostat (0-10v, 2pos/floating)- The RDU Room Controllers are non-communicating devices designed to control room space for heating, cooling or heating and cooling applications. There are 14 parameters that can be viewed or changed including Proportional Gain, Integral Gain, choice of Direct or Reverse Acting control on control output, automatic changeover to heat/cool, and economizer mode (night set-back).



Global Warming... Myth or Reality?

IMPORTANT NOTE

My articles represent my own personal views, opinions, and knowledge. They should not be construed in any way as representing the viewpoint of the organization I work for, or ASHRAE Society, or the Ottawa Valley Chapter.

Niraj Chandra, P.Eng

E-mail: niraj_chandra@hotmail.com

Gerald A Crawford, Professional Engineer from Mississauga, Ontario, claims there is no such thing as man-made global warming. Writing in “Engineering Dimensions”, the journal of Professional Engineers, Ontario, he says that the human responsibility for global warming is a “stunning whitewash of reality”. On the other hand, environmentalists like Al Gore and Dr David Suzuki claim the very opposite.

Faced with these conflicting views, I did a little research of my own. I found that belief in man-made global warming is much like belief in god – there is lots of evidence but no absolute proof, and we will not know for sure until we are dead. However, most of us would like to know for sure before that happens, while we can still make a difference.

The skeptics claim that the human contribution to environmental pollution is negligible; nature generates far more Carbon Dioxide than human activity, and they question the science behind climate change because different computer simulation models produce different results. They point out that an ice age occurred in the past, when atmospheric Carbon Dioxide levels were high, but this claim is based on questionable data. They also claim there is a lack of consensus in the scientific community about the causes of global warming.

The supporters of man-made global warming, on the other hand, point out that the recent increase in levels of carbon dioxide and other green house gases is far greater in the last couple of hundred years than at any time before, and this time period coincides with the worldwide industrial revolution. This is also the time period when there has been maximum increase in global temperatures, and this cannot be just a coincidence.

The supporters also point out that climate change models can reproduce the observed temperature trends with reasonable accuracy only when the effects of greenhouse gases are included in the computations. Different climate change models do produce different results, but this is generally true of all computer simulations. The supporters also point out that there is almost unanimous consensus amongst climatologists about man-made global warming.

I also found that belief in global warming varies from region to region. Most of the world believes in it, but in North America several “think tanks” have surfaced that totally deny man-made global warming. There are also “think tanks” that state that even if global warming exists, the most cost effective approach is to do nothing about it right now and simply adapt, as future technologies will be more cost efficient. This is called the adaptive model of global warming. Further investigation reveals that many of these “think tanks” are funded by big businesses including oil companies that have a vested interest in preserving the status quo.

To me the “do-nothing” approach appears to be the most inappropriate. Ignoring problems does not, in general, solve them, and delayed action is inevitably much more expensive than tackling issues early on. The “do-nothing” viewpoint helps only large corporations to delay the inevitable a little longer. This is similar to the disinformation campaign used by tobacco companies a few decades ago.

(cont...)

(...cont.)

Does the greenhouse effect really exist? Some of the partisan “think tanks” have tried to show that the greenhouse effect itself is a myth. To find out, I observed the outside temperature conditions during a recent flight to New Delhi, India. This city is known for its high air pollution levels. As the airplane lost altitude during its descent, the outside air temperature increased from minus 60 deg.C at cruising altitude, to plus 32 deg.C at a height of about 3000 feet above the airport. Then, surprisingly, the temperature started dropping again, until we touched down at the airport with an outside temperature of 29 deg.C.

Hence, the temperature was highest about 3000 feet above ground level, creating a temperature inversion layer. This was, indeed, the greenhouse effect occurring in a localized area, due to air pollution. No matter what the scientists or the lobbyists may say, this to me is clear and simple proof that pollutants generated by human activity do indeed cause warming. And, unless we take immediate action, what happens in a few polluted cities today may well become the blue print for the future of the entire planet.

European Terror Alert Levels

As many are aware, the French government recently announced a raise in its terror alert level from "Run" to "Hide". The normal level is "General Arrogance", and the only two higher levels in France are "Surrender" and "Collaborate". The rise was precipitated by a recent fire that destroyed France's white flag factory, effectively paralyzing the country's military capability.

Italy has increased the alert level from "Shout Loudly and Excitedly" to "Elaborate Military Posturing". Two more levels remain, "Ineffective Combat Operations" and "Change Sides".

The Germans also increased their alert state from "Disdain" to "Dress In Uniform and Sing Marching Songs". They have two higher levels: "Invade a Neighbour" and "Lose".

Seeing this reaction in continental Europe, the Americans have gone from "Isolationism" to "Find Another Oil-Rich Nation For Regime Change". Their remaining higher alert states are "Attack Random Countries (Ideally Those Without Any Credible Military)" and "Beg The British For Help".

The British are also feeling the pinch in relation to recent bombings and have raised their security level from "Miffed" to "Peeved". Soon though, security levels may be raised yet again to "Irritated" or even "A Bit Cross". Londoners have not been "A Bit Cross" since the Blitz in 1940 when tea supplies all but ran out. Terrorists have been re-categorized from "Tiresome" to "Bloody Nuisance".

The last time the British issued a "Bloody Nuisance" warning level was during the Great Fire of London in 1666.



Thanks for the Memories

by Rod Potter
Editor, Governor, Gopher and Webmaster

I am marching on with the task of getting important documents scanned for posting on the web, including the many old photographs that have been stuck in binders over the years. It is apparent that some of our fine ASHRAE colleagues have done a splendid job over the years of cataloguing the events. I am enjoying studying these photographs immensely and it transpires that there have been many excellent ASHRAE OVC events that I was not party to (I suppose that could be because for many of them I was still a snot-nosed kid!).

Last Sunday was spent entirely on scanning of pictures from events like the 25th Anniversary dinner which took place at the Cathay House Restaurant in Ottawa. Wading through the pictures sometimes has me wondering exactly what the date of the event was, because I am a bit anal that way. Often the pictures have something like "February 1974" written on the back, which is not quite enough for my liking. The answer of course is that I have access to all of the old Meeting Minutes which will reveal all in due course. An excellent clue has been the wonderful decorations in the Cathay House, which can only date from the 70's!

Again my wife Lindsay asked me why I suddenly have become an archivist (which in other words is asking me why I give a damn about a bunch of old photos). To tell you the truth, I am treating my role as fledgling Chapter Historian with great importance because I have recognized the value of doing so. These might be a bunch of old black and white photos to the average person, but to others such as Don McKeen, George Carscallen, Rudy Jetzelsperger (to name a few), they constitute **memories** spanning over decades. And the more I study the documents and look at the old photographs, the more I understand why being able to look back at important events easily on a website, will be of value to our ASHRAE OVC predecessors. It is actually quite entertaining to study how our past presidents have altered in appearance over the years, and I am hoping that surfing the planned **History Section** of our website will bring a smile to a few faces.

The launch of the new History Section will be at the May 29th meeting, with Terry Townsend in attendance as our speaker. This promises to be a great President's Night and I encourage all Past Presidents who are able, to attend. I have been speaking a number of times with Don McKeen, who is unfortunately going through a rough patch health-wise; I still hope he will eventually be able to write down some memories about his esteemed colleague, the late David Minshall.

You might be surprised to see how many pictures there are of you and your early years as an ASHRAE Knight available for viewing on the web. I leave you with this link, which will whet your appetite for more I hope:

http://picasaweb.google.com/ashraeovc/19771018_Silver_Anniversary

*** end of Communiqué ***



Your card here!

