

December 2006

ASHRAE

newsletter

The CNY Chapter of the American Society of
Heating, Refrigeration and Air Conditioning Engineers

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The President's Message

Ho, ho, ho... it's that time of year again, the time where our money inexplicably leaves our wallet! Is it me or does Christmas start earlier and earlier every year?

By now, you have all probably received our invitation to you for this year's Christmas party at Highland Forest's Skyline Lodge in Fabius on Wednesday, December 13. We had our Christmas party there a couple of years ago and all that attended had a great time. Please plan on attending with your spouse for a romantic sleigh ride (or hayride depending on how much snow we have) with hot cocoa and cider around the fireplace afterwards. We will also extend this invitation to our other Region 1 chapters as well. If you have not made reservations yet, please do so now by clicking on the flashing reservation text "<http://centralnewyork.ashraechapters.org/>" or

by contacting Paul Conti at 315-487-8791.

Thanks again to our November speaker Ed Bogucz with the Syracuse Center of Excellence!

The next regular meeting will be Wednesday, January 10, 2007 at the Wyndham. Our program speaker will be John Vasselli. See Chris Martin's article for more details. We will start between 5:30 p.m. and 5:45 p.m. and go no longer than 7:00 p.m. Meeting price is only \$10. Don't forget about the cash bar and great pizza!

Tom Buswell,
CNY Chapter President

<http://centralnewyork.ashraechapters.org/>

Emercy Otruba Region 1 RVC spoke to our student branch at S.U. this month. He inspired and motivated the students to participate more in the local chapter. I would like to say thank you to EMI for there donations to MVCC for thier lab project. SUNY Canton Students will be coming to our meeting next month.

If any company would like to participate in a shadow program please call Charlie Stead at 386-7157.

I am currently looking for a representative to work with the Syracuse Universtiy students. If you are interested please contact me at cssill@budweiser.com or call me at 315-564-7725.

Thank you,
Steven Sill
Student Activity Chair

The December 13th meeting will be our annual Christmas party at Highland Forest Kenyon Hollow Room at the Skyline Lodge from 6:30 - 9:00p.m. This year's party promises to be a great time with a horse drawn sleigh ride to top off the night. Please register early so we can get our head count to the good people at Highland Forest.

Next month's program we will be on *Indoor Air Quality*. With the rise in energy costs, increased pressure to further tighten building envelopes and decrease ventilation rates will increase indoor air quality challenges. John Vasselli the manager of *IAQ Key Competency Group of Carrier Corporation*, will give us a presentation discussing new technology and new product trends that address both energy efficiency and indoor air quality challenges.

Chris Martin

Membership Information

j o i n n o w

We would like to take this time to recognize the 50 year, life and new members from 2006. For the 50 year and Life members: Thank you for a lifetime of service in the HVAC Industry.

50 Year Members

Donald G. Rich
Lewis Reid
Gerald C. Groff, *Groff Associates*
Virgil Fraser

Life Members

William Towne, *Towne Engineering*
William A. Lester, *O'Brien & Gere*

To the new members and renewed members:
Welcome to the CNY ASHRAE. We look forward to your participation in CNY activities, come to a program and introduce yourself. If any of the information listed is incorrect or you have any questions about membership and participation contact me.

New Members 2006

Steve Brandt, *D.F. Brandt*
Dan Connelly, *R. L. Kistler*
Micheal Cook, *Victaulic*

Eugene Daddis

Jeffrey Empire, *McQuay International*
Theodore Firnstein, *Siemens Building Technology*
Daniel Mathewson, *Siemens Building Technology*
Paul Raineri, *Siemens Building Technology*
Warren Harmen, *PE*
Tom Kelly, *Carrier Corp.*
Brian Key, *Carrier, Bynum Training Center*
Shawn Lee, *Beardsley Design Associates*
Daniel McCall, *Beardsley Design Associates*
Dan Quackenbush, *V.J. Stanley*
James Pettiford, *Fulton Companies*
Christopher O'Bryan

New Student Members

Paul Halko, *MVCC*
Shawn LaBelle, *Clarkson*
Daniel Orsini, *Canton*
Mark Spiridiylaizzi, *Canton*
Edmond Rusjan, *SUNYIT*
Maton Maron, *SU*
Lawarance Tavlarides, *SU*

Rae Butler

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Historically Speaking

My last month's article on comfort cooling with ice in the old days sparked my interest in the history of natural lake ice and its many uses. I found a recent book on the subject titled *The Frozen Water Trade* written by Gavin Weightman, which covers the natural ice business of America.

For over 100 years in America, beginning in the early part of the 19th century, there was a thriving ice business. Ice became essential to the American way of life. Americans made ice cream at home on Sundays, had iceboxes in which to keep butter and milk fresh, were served iced drinks in hotels, and were dependent on ice for the preservation of fresh food long before there was any mechanical refrigeration. All the ice was natural, cut from lakes and rivers in the winter, stored in huge icehouses insulated with sawdust, and delivered to customers in horse-drawn wagons. Ice was even harvested from Onondaga Lake by a Syracuse ice dealer in the 1840s to supply 500 local families. By 1880 ice consumption in America was estimated to be more than five million tons. As an aside, I recall seeing ice being harvested in the winter from nearby Otisco Lake around 1930.

A great quantity of ice from the New England area was shipped from Boston in the holds of sailing ships. These shipments began in 1806, first to the West Indies, and continued on to cities on the Gulf of Mexico including Havana and New Orleans as well as several large cities on our East coast. In the 1830s, Boston merchants

began selling ice to the British community in Calcutta. The voyage to India was about 16,000 miles, and under favorable conditions took about 130 days. There was a loss of about $\frac{1}{3}$ of the ice due to melting on this long journey, but for fifty years the sale of New England ice to Calcutta was a profitable business that amounted to about 12,000 tons a year.

Eventually, mechanical refrigeration took over as the source of ice and spawned the development of the household refrigerator. In 1926, General Electric produced and sold 2000 refrigerators. By 1931 over a million were sold and in 1937 nearly three million. Just as the United States was the first nation in history to regard refrigeration as a necessity of life, America would also lead the way in the ownership of domestic coolers, the gleaming new piece of kitchen equipment that replaced the messy and inconvenient daily delivery of the summer ice to which Americans had long been accustomed. By 1950, 90 percent of Americans living in towns and cities, and 80 percent living in rural areas owned domestic refrigerators. In Britain and Europe, the domestic demand for ice had never become established, and it was not until after the Second World War that the American habit of putting ice in drinks and preserving food at home in refrigerators caught on.

The harvesting of ice did not disappear until well into the 1940s and 1950s when it was still needed for remote rural areas in the northern United States late in getting an electricity supply. But finally after a century and a half, the frozen water trade would come to an end. It had brought the first ice cream to the West Indies, supplied the British in India with ice for half a century, kept America's southern states cool the year round and established refrigeration as a necessity of modern life, both for the preservation of food and as a home comfort. In the industry's heyday, harvested ice had been vital for all the great cities of North America. All of this huge industry simply melted away when mechanical refrigeration finally offered a cheaper and more efficient way of making ice and creating cold.

Paul Britton
Chapter Historian

Society President to Visit in February 2007

We are proud to announce that Terry Townsend, the 2006-07 ASHRAE Society President, has accepted our invitation to speak at our February Chapter meeting. Although many details have yet to be ironed out, we are tentatively planning a "round table" type of discussion on the future of building designs and how sustainability will play a role. This most certainly will be the highlight of this year's Chapter meetings and I would encourage you to attend. *The meeting will be held at the Holiday Inn in Ithaca, NY on February 20, 2007.*

Terry E. Townsend, P.E., Fellow ASHRAE, is President, Townsend Engineering Inc., Chattanooga, Tennessee, and Panama City, Florida. As ASHRAE's president, Mr. Townsend directs the Society's Board of Directors and oversees the Executive Committee. During his term, Townsend is focusing on The ASHRAE Promise: A Sustainable Future, highlighting ASHRAE's efforts in sustainability in the building environment.

More information regarding Mr. Townsend's biography and the presidential challenges he has posed to the Regions can be found at <http://www.ashrae.org/aboutus/page/30>.



LEED for New Construction Technical Review Workshop

Certification Requirements and Process

Are you ready to enter the rapidly growing green building market?

Attend the LEED® for New Construction and Major Renovations Technical Review Workshop presented by the U.S. Green Building Council. Gain the knowledge needed to maximize building performance, achieve LEED certification and take the LEED Professional Accreditation Exam.

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Industry professionals seeking to increase their understanding of the LEED for New Construction Rating System and green building strategies, benefits and resources:

- Architects • Designers • Consultants • Owners
- Engineers • Developers • Contractors • Manufacturers

WHAT'S COVERED

- LEED for New Construction and Major Renovations:
 - Technical requirements
 - Certification process
 - Project case studies and strategies
- Green building costs and benefits
- Available tools and resources

CONTINUING EDUCATION CREDITS AVAILABLE



HOST



New York Upstate Chapter

SPONSORS



December 15, 2006
8:30 am – 5:00 pm
Buffalo, NY

University at Buffalo
The State University of New York
Department of Architecture
230 Hayes Hall
Buffalo, NY 14214

FACULTY

USGBC workshops are conducted by the top green building practitioners in the country. The following instructors are currently scheduled for this workshop (subject to change):

Bob Kobet
Marc Mondor

REGISTRATION

To register for this or any USGBC workshop, visit
www.usgbc.org/workshops/register

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*Attendees whose firms are national members of USGBC.

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Region 1 Dinner: Dallas Winter Meeting

Date	Monday, January 29, 2007
Location	YO Ranch Steakhouse Restaurant, 702 Ross Avenue at Market Street, Dallas, Texas 75201 <i>"One of Dallas's premier dining establishments and most extensive selection of wild game"</i>
Time	6:00 p.m. Meet at the Adam's Mark Hotel Lobby <i>(five minute train ride from Adam's Mark Hotel)</i> 6:30 p.m. Arrive at Steakhouse for cocktails – cash bar 7:00 p.m. Dinner
Menu	Starters House Salad with garlic cilantro vinaigrette or Seafood Bisque soup
Choice of Entrees	Prime Aged Beef Filet Mignon Grilled Salmon Filet with a bruschetta butter Sautéed Chicken Breast with a wild mushroom brandy sauce
Desserts	Jack Daniels Pecan pie or White Chocolate Macadamia Nut Bundt cake with raspberry sauce
Cost	\$40.00 per person if received before January 22, 2007 or \$45.00 per person after January 22, 2007

Reservations with payment: must be received by Monday, January 22, 2007

Make checks out to ASHRAE – Region 1 Fund and mail to Ronald Swarthout at the above address.



CNY ASHRAE's Annual Christmas Party

Wednesday, December 13th

6:30 pm to 9:00 pm at
Highland Forest's Skyline
Lodge

Dinner will be catered by Orchard
Vali along with open bar from 7
pm to 9pm. There will also be a
sleigh ride (or hay ride depending
on the weather) for those that
want to brave the weather! Come
dressed for the cold weather. Hat
and gloves mandatory!

\$25 per person

Merry Christmas!
CNY ASHRAE

