



THE LONG ISLAND SOUNDER



ASHRAE Long Island Chapter, Region 1...Founded in 1957

December 2011



www.ashraeli.org

SEASON'S GREETINGS

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President's Message

Hello everyone and Happy Holidays!! This is a great time of year for celebrating all the good things in life. It is a time to be extra thankful for all of our accomplishments both big and small.

I would like to start off by thanking Eli Howard of SMACNA National for presenting at last month's meeting. Although I was unable to attend, everyone I spoke to said Eli gave an excellent presentation! We try to encourage more joint meetings with groups, as I think it opens our eyes to the world of HVACR from others' perspective. I once read a little quote that has stuck with me though out the years and it reads "When people go to work they shouldn't have to leave their hearts at home"(Betty Bender) It is when I come to our monthly meetings I notice how much people care about what they are doing in our industry. In the end we are all here trying to do several things...make an honest living, make good products, take care of our environment and create excellent end results. It is our hearts that push us to work a little harder, just to make more educated and thoughtful decisions at home and in the office!

In January we will be having another double session meeting with 2PDH credits for the evening. Evans Lizardos will be doing part 2 of his Back to basics classes and he will be followed by a presentation on Chiller Optimization. The Long Island Chapter of ASHRAE is forever grateful for Evans' support and giving up his personal time to helping teach the younger generation. All the studying we do in school can not amount to the life's learning and field knowledge Evans has in his treasure chest of knowledge!



CHAPTER MONTHLY MEETING

DATE:	Tuesday, December 13, 2011 ASHRAE Holiday Party
TIME:	6:00 PM - 8:00 PM
LOCATION:	Westbury Manor South Side of Jericho Tpke. 25 Westbury, NY 11590
FEES:	
Member -	No Fee
Students-	No Fee
Non-Member-	\$40.00

Reservations requested, but not required.
Call (516) 333-7117

This year's ASHRAE winter conference is January 21st through 25th in Chicago. Since I started in this industry in 2000 I have only missed one winter conference. For me it is a great way of seeing new product development, manufacturing techniques and software advancements. Since I became active at the local level of ASHRAE I also realized all the great half day and full day professional courses provided during this week. **The Commissioning Process in New & Existing Buildings, Data Center Energy Efficiency Using Standard 90.1 to Meet LEED Requirements and Energy Modeling Best Practices and Applications: HVAC/Thermal** are just a few classes offered this year.

Continued on Pg. 3

Long Island Chapter Officers & Committees

ASHRAE 2011/2012 OFFICERS

POSITION	NAME	PHONE	FAX	EMAIL
President	Carolyn Arote	516.568.6550	516.568.6575	carote@adehvac.com
President-Elect	Brian Simkins, LEED AP	203.261.8100	203.261.1981	bsimkins@accuspecinc.com
Vice President	Andrew Manos, LEED AP	631.632.2791	631.632.1473	andym22@optonline.net
Financial Secretary	Richard Rosner, P.E.	631.737.9170	631.737.9171	rosner@csflc.com
Treasurer	Thomas Fields, P.E., LEED AP	212.643.9055	212.643.0503	thomas.fields@mgepc.net
Secretary	Charles Lesniak, P.E.	516.484.1020	516.484.0926	charles.lesniak@leapc.com
Board of Governors	Don Kane, P.E.	631.737.9170	631.737.9171	dkane@csflc.com
Board of Governors	Andrew B. Dubel, P.E.	212.967.7651	212.967.7654	andrew.dubel@leapc.com
Board of Governors	Nancy Román	516.568.6509	516.568.6586	nroman@adehvac.com

ASHRAE 2011/2012 COMMITTEES

COMMITTEE	NAME	PHONE	FAX	EMAIL
Programs & Special Events	Brian Simkins, LEED AP	203.261.8100	203.261.1981	bsimkins@accuspecinc.com
Membership	Charles Lesniak, P.E.	516.484.1020	516.484.0926	charles.lesniak@leapc.com
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Research Promotion	Andrew Manos, LEED AP	631.632.2791	631.632.1473	andym22@optonline.net
Historian	Richard Rosner, P.E.	631.737.9170	631.737.9171	rosner@csflc.com
Student Activities	Andrew B. Dubel, P.E.	212.967.7651	212.967.7654	andrew.dubel@leapc.com
Young Engineers in Training	Charles Lesniak, P.E.	516.484.1020	516.484.0926	charles.lesniak@leapc.com
Webmaster	Thomas Fields, P.E., LEED AP	212.643.9055	212.643.0503	thomas.fields@mgepc.net
Nominating	Michael Gerazounis, P.E., LEED AP	212.643.9055	212.643.0503	michael.gerazounis@mgepc.net
Reception & Attendance	Rich Halley	718.269.3809	718.269.3725	rhalley@trane.com
PR & Engineering Joint Council of LI	Peter Gerazounis, P.E., LEED AP	212.643.9055	212.643.0503	peter.gerazounis@mgepc.net
Golf Outing	Peter Gerazounis, P.E., LEED AP Steven Friedman, P.E., HFDP, LEED AP	212.643.9055 212.354.5656	212.643.0503 212.354.5668	peter.gerazounis@mgepc.net sfriedman@akfgroup.com

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President's Message (Cont'd from Page 1)

If you have the opportunity to make it this year I think it would be a very fulfilling experience no matter how long or short a stay you have had in the industry.

Every year, as most of you know, we have a field trip for our April meeting. Each year finding and booking this location is one of the most daunting tasks the Program's Chair can have. We are always looking to find an interesting, educational and relevant place to visit. We have a few ideas on the board, but I encourage anyone who has an idea to drop Brian an email or tell him at this month's meeting.

This month we will be having the annual Holiday party in lieu of a formal presentation. It will be at the Westbury manor December 13 at 6PM, as always I am sure it will be a fun evening for everyone! Please RSVP to Brian Simkins at bsimkins@accuspecinc.com so we can have a head count for the hall.

**Carolyn Arote, President
Long Island Chapter**

Young Engineers in ASHRAE (YEA)

YEA will also be hosting Leadership U during the ASHRAE Winter and Annual Conferences in Chicago. During Leadership U, YEA members will be paired up with ASHRAE Society Officers and they will be able to participate in the in events and board meetings. There are four positions available for Leadership U, and they will be determined by an application process.


YEA will be hosting a HVAC Design Essentials workshop this coming January. The workshop will be held from January 11th thru January 13th at the ASHRAE Headquarters in Atlanta, you need to register for the event by November 7th. The National YEA will offer 1 full scholarship to cover the cost of the workshop's registration. Please visit their website for more information.

**Charlie Lesniak
YEA Chairman**

Long Island Chapter - Past Presidents

1958	H. Campbell, Jr. PE	1985	Edward W. Hoffmann
1959	Clyde Alston, PE	1986	Jerome T. Norris, PE
1960	Sidney Walzer, PE	1987	Abe Rubenstein, PE
1961	Sidney Gayle	1988	Michael O'Rourke
1962	William Kane	1989	Mel Deimel
1963	Louis Bloom	1990	Robert Rabell
1964	Milton Maxwell	1991	Gerald Berman
1965	Will Reichenback	1992	Donald Stahl
1966	Joseph Minton, PE	1993	Ronald Kilcarr
1967	Irwin Miller	1994	Jerald Griliches
1968	Walter Gilroy	1995	Walter Stark
1969	Charles Henry	1996	Joe Marino
1970	William Wright	1997	Norm Maxwell, PE
1971	Louis Lenz	1998	Alan Goerke, PE
1972	Ronald Levine	1999	Frank Morgigno
1973	Henry Schulman	2000	Michael Gerazounis, PE, LEED AP
1974	Myron Goldberg	2001	Ray Schmitt
1975	John N. Haarhaus	2002	Steven M. Stein, PE
1976	Richard K. Ennis	2003	Andrew Braum, PE
1977	Kenneth A. Graff	2004	Claudio Darras, P.E.
1978	Evans Lizardos, PE, LEED AP	2005	Craig D. Marshall, P.E.
1979	Albert Edelstein	2006	John Nally
1980	Ralph Butler	2007	Peter Gerazounis, PE, LEED AP
1981	Robert Rose, PE	2008	Steven Friedman, PE, HFDP, LEED AP
1982	Timothy Murphy, PE	2009	Steven Giammona, P.E., LEED AP
1983	Leon Taub, PE	2010	Nancy Román
1984	Raymond Combs		

Chapter Monthly Meeting - Program for 2010/2011

September 13, 2011 * At Westbury Manor  Dinner Presentation – Cooling Tower Water Treatment Through Non Chemical Technologies Presenter - Leon Shapiro **1 PDH**	February 19-25, 2012 NATIONAL ENGINEERS WEEK
October 11, 2010 * At Westbury Manor  Dinner Presentation – Application of Mixed or Hybrid Boiler Systems for Energy Efficiency Presenter - Tom Neill **1 PDH** RESOURCE PROMOTION NIGHT <i>Back to Basic Session I</i> <i>Presenter - Evans Lizardos, PE, LEED AP</i> **1 PDH**	March 13, 2012 * At Westbury Manor Dinner Presentation - TBD YEA NIGHT <i>Back to Basic Session III</i> <i>Presenter - Evans Lizardos, PE, LEED AP</i> **1 PDH**
November 15, 2011 * At Westbury Manor  Dinner Presentation - New 2012 Editions of the ICC Codes Presenter - Eli P. Howard, III JOINT MEETING WITH SMACNA STUDENT ACTIVITIES NIGHT MEMBERSHIP PROMOTION NIGHT YEA NIGHT <i>* Meeting will be held on 3rd Tuesday of the month.</i>	April 10, 2012 ANNUAL FIELD TRIP - TBD
December 13, 2011 Holiday Party - Westbury Manor	May 7, 2012 * Cherry Valley Club, Garden City, NY ANNUAL GOLF OUTING
January 10, 2012 * At Westbury Manor Dinner Presentation—Chiller Optimization Presenter - Thomas Wyhmeyer **1 PDH** <i>Back to Basic Session II</i> <i>Presenter - Evans Lizardos, PE, LEED AP</i> **1 PDH**	May 15, 2012 * At Westbury Manor Dinner Presentation - TBD Presenter - STUDENT ACTIVITIES NIGHT <i>* Meeting will be held on 3rd Tuesday of the month.</i>
January 21-25, 2012 ASHRAE Winter Meeting Convention Center, Chicago	June 12, 2012 * At Westbury Manor PAST PRESIDENTS & OFFICER INSTALLATION
February 21, 2012 * At Westbury Manor Dinner Presentation- TBD Presenter- <i>* Meeting will be held on 3rd Tuesday of the month.</i> JOINT MEETING WITH USGBC RESOURCE PROMOTION NIGHT MEMBERSHIP PROMOTION NIGHT **1 PDH**	
August 2012 - Chapter Regional Conference Region I	

PAOE POINTS FOR 2011/2012

Chapter Members	Membership Promotion	Student Activities	Research Promotion	History	Chapter Operations	CTTC	Chapter PAOE Totals
299	0	0	1,025	250	520	250	2,045

Board of Governors Meeting Minutes

DATE: Tuesday, November 15th, 2011

LOCATION: Westbury Manor

Attendees were Brian Simkins, Nancy Roman, Andy Manos, Richard Rosner, Tom Fields, Donald Kane and guest Richard Halley. Missing were Carolyn Arote, Charlie Lesniak and Andy Dubel. President Elect Brian Simkins called the meeting into session at 5:05 PM.

General: – Brian Simkins asked to approve the meeting minutes from the last meeting which then were approved. Reimbursements for the CRC was discussed.



PROGRAMS: Brian Simkins discussed potential topics and speakers for open meeting dates. A discussion was held on getting DL's for potential speakers and possible credits for the back to basics series. It was mentioned that for the joint meeting with USGBC that Richard Neuman was the person to contact. The program calendar was updated noting a possible presenter for March.

RESOURCE PROMOTION: Andy Manos – The projected goal for 2011-2012 is close to being reached and the current directory information is just being updated now. The directory will go to print in January. RP Centralized Training in Chicago was discussed for the next RP chairman.

HISTORIAN: Richard Rosner – is going to start uploading pictures of past events to the web site once access for posting has been provided to him. Tom Fields will check with Anthony in that regard. Inventory and digitizing files for record purposes and web posting was discussed and a report is pending from Charlie Lesniak. If these things can be completed this year it will greatly reduce the burden for next year's historian.

WEBMASTER: Tom Fields - PAOE points for updating website monthly was discussed and Tom will check into it.

TREASURER: Tom Fields - A report was given showing a financial update, with TD Bank having a balance of \$16,317.58 and the money market account having \$8,017.04. A check for chapter assessment (\$1,395.96) has to be mailed. Advertising newsletter invoices (Nov/Feb) will be invoiced. IRS taxes are to be filed and Boyle was contacted by Tom.

MEMBERSHIP PROMOTION: Charlie Lesniak – Not present

STUDENT ACTIVITIES: Andy Manos – Had a meeting at Stony Brook University with 30 students with general interest in ASHRAE and will start a student chapter there. Elections for the board will take place soon.

CHAPTER TECHNOLOGY TRANSFER (CTTC): Don Kane - Refrigeration Night will be in May 2012 and possible speakers were discussed. Don will continue to hand out speaker evaluation forms and process them and will be making some changes to the form. The PAOE points are being updated.

YEA: Charlie Lesniak – No report

GOLF OUTING: Will be May 7th. The Contract/Deposit have not been made at this time.

GENERAL BUSINESS – It was asked that all please submit articles to Liset one week after the meetings. It was noted that Liset will not be editing articles so please spell check and re-read before sending. A draft copy of articles shall be sent to all BOG members.

OPEN BOARD DISCUSSION - Suggestions to enhance the chapter's functionality and/or efficiency were discussed and encouraged to be brought to the BOG's attention. There was a discussion as to should a "Gov't affairs section" be added in our newsletter as other chapters do. New positions for next year's BOG were discussed as well as committee chairmen positions. A \$500 contribution to the Lynn Bellienger memorial scholarship fund was approved. A product show at a local Ramada or Hilton hotel was discussed for possibly next year.

Having discussed all open issues, the meeting was adjourned at 5:57 PM.

ASHRAE Holiday Party 2011



ASHRAE Long Island Chapter's 2011 Holiday Party



“Member Appreciation Night”

Come and join us to celebrate a successful year.

We cordially invite you to a holiday cocktail party, featuring dinner, drinks, and holiday cheer...

- DATE:** Tuesday, December 13, 2011
- TIME:** 6:00 pm to 8:00 pm
- LOC.:** WESTBURY MANOR, Jericho Tpke. 25, Westbury (516) 333-7117
- MENU:** Hot and Cold Buffet, Coffee, Dessert and “Open Bar”
- FEE:** Complimentary Admission for ASHRAE Members & Students (FREE)!
- RSVP:** By Friday, Dec. 9, 2011 (*REQUIRED*)
Send your Name & Phone# to bsimkins@accuspecinc.com



**Hope to see you there.
RSVP today!**



*Season's Greetings and Best Wishes for the New Year
from the ASHRAE Long Island Chapter*

Research Promotion

I would like to thank the companies who have participated in the annual 2011 Product Directory of Manufacturers and their Representatives.

The Product Directory has been prepared as a service to all its members and as a service to the local HVAC industry. It will be made available to all ASHRAE and non-ASHRAE members at no-cost and can be obtained from our monthly meetings or directly from our web-site.

There's still time if you would like your company listed in the directory please contact me. The deadline is December 15th.

The Directory is intended to provide better communications between manufacturers and their sales representatives; engineers who specify products; contractors who purchase and install the equipment; and other interested parties. Product Directory listings are not limited to ASHRAE members and the listings are not to be considered as advertising or endorsement by ASHRAE of any product, manufacturer or representative.

This year's overall resource promotion goal is \$2,001,900 with over 75 research projects on board. Our chapter is expected to raise approximately \$13,881 towards the overall goal of which we have already raised \$4,072. I am hoping I can count on the continued support of all of our past contributors who have generously supported us over the years. I also look forward to gaining the support of new contributors this coming year. Please help support ASHRAE in any way you can.

I would like say 'thank you' to all the contributors listed below whom have already donated to ASHRAE this year:

INDIVIDUALS

Ms Carolyn Arote
 Mr Andrew B Dubel
 Mr Thomas Fields, PE, LEED AP
 Mr Steven D Friedman, PE, HFDP, LEED AP
 Mr. Don Kane, PE
 Mr Ronald J Kilcarr, PE
 Mr David Robert Jendras
 Mr Charles J. Lesniak, PE
 Mr Andrew E Manos, LEED AP
 Mr. John D Nally
 Mr. Jerome T Norris
 Mr Michael O'Rourke
 Mr Richard Pearson, PE, LEED AP
 Ms Nancy Roman
 Mr Richard L Rosner, PE
 Mr Raymond Schmitt
 Mr Brian C Simkins, LEED AP
 Mr James R Tauby, PE

COMPANIES

ASHRAE Charleston Chapter
 Berne & Bob Leventhal Inc

Research Promotion (Cont'd. from Page 7)

CONTRIBUTIONS CAN BE MADE IN THE FOLLOWING WAYS:

1) You can mail your checks, made out to ASHRAE Research Promotion, to:

Andrew Manos
ASHRAE Research Promotion Chair
c/o Stony Brook University
Campus Planning, Design and Construction
Research and Support Services, Suite 160
Development Drive, Stony Brook, NY 11794-6010

2) You can bring your check to any of the meetings and give it to me. I will mail it into headquarters.

3) You can contribute via paypal from the ASHRAE LONG ISLAND web site just click on the donate button.

4) You can contribute directly on-line. www.ashrae.org

*** Please make sure your credit your contribution to the LONG ISLAND CHAPTER 006 ***

Thank you again for all your support!

Andrew Manos, LEED AP
Research Promotion Chair

Mission: To improve the quality of life and to answer tomorrow's questions through research TODAY.

Over \$2million raised annually to help fund \$10million in research projects and student grant-in-aids.

Research is used to update the Society's standards and guidelines.

Contributions come from more than 6,700 members, non-members, and companies.

100% of all funds raised go directly to research projects that support the HVAC&R industry.

Active research projects are conducted all around the world at various universities and private organizations.

ASHRAE RESEARCH PROMOTION

Important Links:

www.ashrae.org/rp

www.ashrae.org/contribute*

www.ashrae.org/consumer

www.ashrae.org/pressroom

www.ashrae.org/research

*ASHRAE is a qualified 501(c)3 and all contributions are tax deductible.

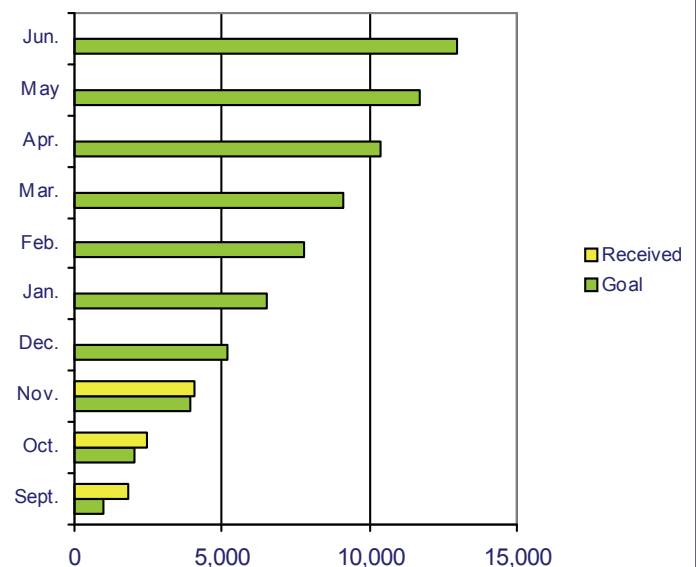
Important Contacts:

Patricia Adelman
RP Manager
(404)636-8400 ext. 1114
PAdelman@ashrae.org

John Rhodes
RP Committee Chair
(972)206-2590
Gopher56@swbell.net

ASHRAE RESEARCH PROMOTION

**Chapter Research Promotion Goal
For 2011-2012 - \$13,881**



CTTC - Code Changes Made Easy (Part Deux)

Last month's article concluded with everyone stepping back and taking in the "big picture" to evaluate the effects of changes in various codes and maintaining an awareness of the multitude of codes (some not normally thought of as HVAC related) with which compliance is required, even in "routine" installations.

Taking a cue from the excellent presentation by Eli Howard, of SMACNA, at the November LI Chapter meeting, it seemed appropriate to discuss some of the changes noted by Eli, and how to ensure "peaceful coexistence" with other codes or, in some cases, avoid confusion when inter-trade discussions take place.

The first example involves "Equipment and Appliances on Roofs or Elevated Structures". The IMC has clarified the requirement for permanent access to roof mounted equipment, noting that if the elevation is higher than 16 feet, permanent access is required. One might assume then, if the roof on which the equipment was mounted was fifteen (15) feet high a permanent ladder is not required. Strictly speaking, from the viewpoint of the HVAC designer/supplier, it is not. However.....in order to comply with the National Electrical Code (NEC) requirements (210.63), for other than dwelling units, a 125 volt, GFCI protected receptacle must be provided within twenty five (25) feet of, and on the same level as the equipment. Frequently, this receptacle is integrally mounted to and supplied with roof-top equipment (although it is not permitted to be connected on the load side of the equipment disconnect). The 2011 edition of the NEC has added a requirement that all GFCI devices must be readily accessible. If a GFCI receptacle is to be used, then, even on a roof lower than 16 feet in elevation, a means of permanent access must be provided. While this may not be in the scope of the mechanical contractor's work, if he has supplied the roof-top unit (with an integral GFCI receptacle), and the electrical inspector rejects it, guess who the owner is going to complain to? A few moments spent getting the GC and electrical contractor coordinated on this will save grief down the road. (Yes, there are other solutions, namely a GFCI circuit breaker supplying a non-GFCI receptacle, however, after a few nuisance trips and having to go up and down a ladder to an electric room or panel in the building to reset it, the urge will be for service personnel to run an extension cord up to the roof from a ground level receptacle, defeating the purpose of having a nearby convenience receptacle).

The second example is more of an issue of semantics. When is a plenum a plenum? According to the NEC, a plenum is a "compartment or chamber to which one or more air ducts are connected and which forms part of the air distribution system". Thus, as far as the NEC was concerned, the space above a suspended ceiling, used for return air, was not a "plenum", but was ..."other space used for environmental air". In the 2011 edition of the NEC, they have used the expression..."Other spaces used for environmental air (Plenums)". This will facilitate discussions between the electrical and mechanical trades, and make the job site less like the tower of Babel.

Finally, now that we can all talk about plenums and "(plenums)" intelligently, we will venture into another "fuzzy" area..non-combustible materials. In his presentation, Eli noted that the enclosure of combustible material located within a plenum [or (plenum) for the electrical trades] must be non-combustible, an approved gypsum board assembly or shall be an enclosure listed and labeled for installation in a plenum. One must keep in mind that, although a properly constructed wall made from fire rated sheet rock may bear a fire rating, the material itself is generally NOT considered non-combustible, due to the paper facing. Again, coordination between trades and designers is well worth the effort, up-front, rather than removal and replacement later in the job.

By the way, it was noted above that the 2011 NEC will require GFCI devices (receptacle or circuit breaker types) to be readily accessible. This is not a whim of the NFPA committee, but rather the result of a study which found that a significant number of installed GFCI devices are, in fact, non-functional. If you read the little paper that comes in the box with the GFCI, you will see that they are meant to be tested regularly (the "test" button provided really does have a function, other than being accidentally tripped by your finger when you plug in the vacuum cleaner, leaving you in the dark). Newer GFCI devices are made to "fail safe". When the circuitry is no longer functional, it will trip and not allow a reset, however, there are many older devices out there that no longer are functional giving a false sense of protection. So take a moment every now and then to press the test button and make sure you have the protection you think you do.

While we have only touched on the tip of the 'code and standard' iceberg with these two short installments, hopefully it has piqued your curiosity and a desire to continually follow the progress as the various codes are upgraded (or at least changed) and avoid code conflicts in the future.

Don Kane, P.E.
CTTC

History - Car Cooler

Around 1958 as I recall, I was 8 years old, my family took a month long trip camping across the country seeing the National Parks and other great places. The trip took us across some pretty dry hot country which is where I first noticed these tube like containers hanging from people's car windows. What could they be, I wondered, I asked my dad but he had no idea. These were the days before people were getting air conditioners for their cars, at least most people.

I remember thinking we were going to die from the heat when we drove through the Painted Desert. It was the first time that I could remember being where the temperature was over 100°F. We stopped at a watering hole where there was a well and people were filling up their radiators, jars and canteens. I can remember the conversations like they were yesterday. There was a discussion going on whether to pour cold water in the radiator or even over it which most people thought was not a good idea. The other topic was to take off or leave on but open to vent the radiator cap or just leave it closed while driving. Most people were saying the pressure would build too high and the radiator would explode! This was most distressing and hard to shake thinking about, especially after my dad put a wet rag on the radiator cap and let it blow off to release this dangerous pressure. As these discussions went on I saw a car pull in with one of those tubes hanging on the window. My attention was shifted to that device only, as we didn't multitask in those days.



Car Cooler on a 1950 Chevy

I made my dad ask what it was. We were told it was a car cooler and worked on water evaporating from it and cooling the air inside the car. I figured the water had to be real cold and wouldn't ice work better? I didn't share my thoughts but asked my dad to get us one of those. He said we didn't need one and we would be hitting cooler weather soon and would ride with the windows open until then. We had driven up snowcapped mountains already so I figured dad knew best.

I haven't seen a Car Cooler since those days but do have a much better concept as to how they worked. With the Internet now I looked up these fascinating devices and found out some information about them.

The car cooler is an outdated technology as refrigeration methods used today are more effective. However, there are manufacturers that still make car coolers for antique and classic cars. I wonder with the price of gas if this is still true? A car cooler is an automobile window-mounted air cooler or evaporative cooler, sometimes referred to as a swamp cooler. It is an early type of automobile "air conditioner." To cool the air it used latent cooling of vaporization, in other words, cooling by water evaporation. Water inside the cooler evaporated and in the process transferred heat to the surrounding air, giving in return cool air inside. The lower the humidity, the better they work. Because of the dry desert air of very low humidity, they were popular in the southwestern United States like California, Arizona, Texas, New Mexico and Nevada. I guess this is why I didn't see them around here.

History (Cont'd. from Page 10)



The technology was an after-sale add-on product for cars and has been around since 1930. It was popular from the 1930s through to the 1960s. The basic unit looked like a canister-type vacuum cleaner. One model used balsa-wood shavings in a pad within the unit. The water from the container soaked the shavings and when air was forced through the unit the water would evaporate giving a cooling effect. The cool air would blow through a vent at a right angle on the main unit into the passenger's compartment.



There were several manufacturers of car coolers, examples being Thermador, ClassicAir, Sears Roebuck (*Allstate* brand) and Star Mfg. The car cooler came in different models from "ram-air" to "fan-powered" types. The "ram-air" type mounted on the passenger side window. It would only work when the car was in forward motion as the air was forced into the tube. It had a water reservoir that held about a gallon of water, which would provide "air conditioned" cooling for about 100 to 150 miles. The "fan-powered" model was designed to work when the car was not in motion or when moving at low speeds. It had a built-in fan that forced the air through the cooler tube.

My best wishes to you all and your families for a happy healthy Holiday season. I hope to see you at the Holiday party.

Richard Rosner, P.E.
History Chairman

John Nally
Asst. Chairman

Student Activities

Happy Holidays to everyone!

The Stony Brook Student Chapter is being reactivated. We welcome those members to our chapter. If you are interested in becoming involved in this young student chapter, please let me know.

As the year comes to the end we look forward to our annual holiday party on the 13th. Beyond this the and with the New Year, we will begin our annual scholarship completion. We will be giving several scholarships based on an essay completion. If you are or you know a college student who is interested in applying, please email me for an application.

Beyond our own chapter scholarships there are society scholarship for students who are currently enrolled or soon to be enrolled in an engineering undergraduate degree. There are 13 undergraduate scholarships available ranging from 10,000 to 3,000 dollars! Find more information at www.ashrae.org/scholarships.

The next student activates night will be on May 15th. We encourage students to attend this meeting and look forward to seeing you.

Andrew B. Dubel, P.E.

Student Activities Committee Chair



Donate your old Handbooks

Please bring your old handbooks to the meetings for donations to our student members who do not have complete sets at this time. Rich Rosner will be collecting them.

Membership

Our chapter will hold another Membership night during the February monthly meeting. Please visit the ASHRAE website at <http://www.ashrae.org> to review and update your bios, and to check if you are up to date with your membership dues. We are always looking for new members to join and attend our meetings. ASHRAE is looking to retain more student members thru their smart start program. Student members should look into this program. It will help you adjust to the membership status. Please see the ASHRAE website for more information. I'm looking forward to seeing everyone after this summer break.

Charlie Lesniak

Membership Chairman

ASHRAE 2012 WINTER CONFERENCE COURSES

ASHRAE Learning Institute Continuing Education Courses at the 2012 Winter Conference and AHR Expo
For more information on the ASHRAE 2012 Winter Conference, please visit, www.ashrae.org/chicago

FULL-DAY PROFESSIONAL DEVELOPMENT SEMINARS
REGISTRATION FEES: \$485 OR \$395 FOR ASHRAE MEMBERS
EACH COURSE EARNS 6 PDHS/AIA LUS OR .6 CEUS

Saturday, January 21 – Palmer House Hotel (17 East Monroe Street, Chicago, IL 60603)

The Commissioning Process in New & Existing Buildings (code 60) - 8 a.m. – 3 p.m.

Data Center Energy Efficiency (code 61) - 8 a.m. – 3 p.m.

Integrated Building Design (code 62) - 8 a.m. – 3 p.m.

Tuesday, January 24 – McCormick Place (2301 S. Lake Shore Drive, Chicago, IL 60616)

Using Standard 90.1 to Meet LEED Requirements (code 72) - 9 a.m. – 4 p.m.

Energy Modeling Best Practices and Applications: HVAC/Thermal (code 73) - 9 a.m. – 4 p.m.

HALF-DAY SHORT COURSES
REGISTRATION FEES: \$159 OR \$119 FOR ASHRAE MEMBERS
EACH COURSE EARNS 3 PDHS/AIA LUS OR .3 CEUS

Sunday, January 22 – McCormick Place (2301 S. Lake Shore Drive, Chicago, IL 60616)

Understanding Air-to-Air Energy Recovery Technologies & Applications (code 63) - 2:00 p.m. – 5:00 p.m.

Understanding & Designing Dedicated Outdoor Air Systems (DOAS) (code 64) - 2:00 p.m. – 5:00 p.m.

Application of Standard 62.1-2010: Multiple Spaces Equations & Spreadsheet Calculations - 2:00 p.m. – 5:00 p.m.

Monday, January 23 – McCormick Place (2301 S. Lake Shore Drive, Chicago, IL 60616)

Basics of High-Performance Building Design (code 66) - 8:30 a.m. – 11:30 a.m.

Complying with Standard 90.1-2010: Envelope/Lighting (code 67) - 8:30 a.m. – 11:30 a.m.

Energy Management in New & Existing Buildings (code 79) - 8:30 am – 11:30 am

Advanced High Performance Building Design (code 68) - 2:30 p.m. to 5:30 p.m.

The Commissioning Process & Guideline 0 (code 69) - 2:30 p.m. - 5:30 p.m.

Complying with Standard 90.1-2010: HVAC/Mechanical (code 70) - 2:30 p.m. – 5:30 p.m.

Evaluating the Performance of LEED-Certified Buildings (code 71) - 2:30 p.m. – 5:30 p.m.

Tuesday, January 24 – McCormick Place (2301 S. Lake Shore Drive, Chicago, IL 60616)

Combined Heat & Power (code 74) - 9:00 a.m. – 12:00 p.m.

Healthcare Facilities: Best Practice Design (code 75) - 9:00 a.m. – 12:00 p.m.

Project Management for Improved IAQ (code 76) - 9:00 a.m. – 12:00 p.m.

Healthcare Facilities: Best Practice Applications (code 77) - 1:00 p.m. – 4:00 p.m.

Designing Toward Net Zero Energy Commercial Buildings (code 78) - 1:00 p.m. – 4:00 p.m.

ASHRAE REGION 1 - 2011-12 EXECUTIVE COMMITTEE

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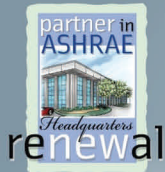
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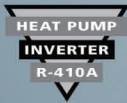


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