



May 2015

THE LONG ISLAND SOUNDER



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

www.ashraeli.org

American Society of Heating, Refrigerating and Air Conditioning Engineers, Inc.

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President's Message

Here it is, the summer weather has made it here. I think only a few are ready with their systems switched over for summer operation, I see a lot of service trucks on the road. This sudden change in temperature is going to wake people up to problems they were supposed to be fixing over the winter but had forgotten about with the brutal cold long winter.

Thinking of some warm thoughts, are you signed up for this year's Golf Outing don't forget the date changed, it's Monday June 15th. Also the fishing trip is June 19th also coming up fast on us. I hear we will have some of our NYC Chapter friends joining us. Thank you to our sponsors Accuspec, ADE, Gil-Bar and Trane for helping us out with the trip. Just go ahead and mark ASHRAE on your calendar for that week in June!



Our May meeting we will be back at Westbury Manor and we have two presentations worth 2 PDH's. We will have Evans Lizardos back with "Energy Requirements for Different Refrigeration Systems" which looks quite interesting and Distinguished ASHRAE Lecturer Julian de Bullet with "Responsible Use of Refrigerants" as the dinner lecturer. I am going to give a few minutes talk on serving on an ASHRAE Standards or Technical committee and let everyone know what's out there and how to offer your services. Remember don't blame others for getting it wrong when you can make the difference to change things and make it right!

Did you send in your ballot for the new BOG for the chapter? You should have received a ballot if you are a member in good standing. We will count them up at the board meeting. We will also be deciding on the winners of the student scholarships for this year. In June, next month, we will be swearing in the new board and awarding those scholarship winners as well as honoring our past presidents. It's always a fun night and there will be prizes for those sharp in the LI Chapters history and don't forget it is a free night with a lovely Buffet Dinner.

As always, I wish to thank all the volunteers and board members, I appreciate all your time and dedication to our chapter and community. We look forward to seeing everyone at the May Meeting and thank you for your continued support of the Long Island Chapter of ASHRAE.

Richard L. Rosner, P.E.
President - Long Island Chapter

CHAPTER MONTHLY MEETING

DATE:	Tuesday, May 12, 2015
TIME:	6:00 PM - Cocktails/Dinner 6:30 PM - Back to Basics #3 6:45 PM - Dinner Presentation 8:45 PM - Conclusion
LOCATION:	Westbury Manor South Side of Jericho Tpke. 25 Westbury, NY 11590
FEES:	
Members -	\$40.00
Guest -	\$45.00
Student -	\$15.00

Reservations requested, but not required.

Call (516) 333-7117

Long Island Chapter Officers & Committees

ASHRAE 2014/2015 OFFICERS

POSITION	NAME	PHONE	FAX	EMAIL
President	Richard Rosner, P.E.	631.737.9170	631.737.9171	president@ashraeli.org
President-Elect	Thomas Fields, P.E., LEED AP	212.643.9055	212.643.0503	president_elect@ashraeli.org
Vice President	Charles Lesniak, P.E.	516.484.1020	516.484.0926	vice_president@ashraeli.org
Financial Secretary	Don Kane, P.E.	631.737.9170	631.737.9171	finsec@ashraeli.org
Treasurer	Andrew B. Dubel, P.E.	212.967.7651	212.967.7654	treasurer@ashraeli.org
Secretary	Richard Halley	718.269.3809	718.269.3725	secretary@ashraeli.org
Board of Governors	Lee Feigenbaum, LEED AP BD+C	212.243.2555	212.924.7148	bog1@ashraeli.org
Board of Governors	Frank Paradiso	631.632.2791	631.632.1473	bog2@ashraeli.org
Board of Governors	Ken Mueller	201.395.3761	763.231.6924	bog3@ashraeli.org
Board of Governors	Andrew Manos, LEED AP	631.632.2791	631.632.1473	bog4@ashraeli.org

ASHRAE 2014/2015 COMMITTEES

COMMITTEE	NAME	PHONE	FAX	EMAIL
Programs & Special Events	Thomas Fields, P.E., LEED AP	212.643.9055	212.643.0503	programs@ashraeli.org
Membership	Lee Feigenbaum, LEED AP BD+C	212.243.2555	212.924.7148	membership@ashraeli.org
Chapter Technology Transfer (CTTC)	Don Kane, P.E.	631.737.9170	631.737.9171	cttc@ashraeli.org
Grassroots Government Activities Committee	Charles Lesniak, P.E.	516.484.1020	516.484.0926	ggac@ashraeli.org
Newsletter Editor	Liset Cordero	212.643.9055	212.643.0503	editor@ashraeli.org
Research Promotion	Andrew Manos, LEED AP	631.632.2791	631.632.1473	rp@ashraeli.org
Historian	Andrew B. Dubel, P.E.	212.967.7651	212.967.7654	historian@ashraeli.org
Student Activities	Richard Halley	718.269.3809	718.269.3725	sa@ashraeli.org
Young Engineers in Training	Frank Paradiso	631.632.2791	631.632.1473	yea@ashraeli.org
Webmaster	Richard Rosner, P.E.	631.737.9170	631.737.9171	web@ashraeli.org
Nominating	Michael Gerazounis, P.E., LEED AP	212.643.9055	212.643.0503	nominating@ashraeli.org
Reception & Attendance	James Hanna Ken Mueller	718.269.3768 201.395.3761	718.269.3794 763.231.6924	reception@ashraeli.org
PR & Engineering Joint Council of LI	Andrew Manos, LEED AP	631.632.2791	631.632.1473	pr@ashraeli.org
2014 CRC Committee	Richard Halley	718.269.3809	718.269.3725	CRC@ashraeli.org
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	golf@ashraeli.org

ASHRAE LI, P.O. Box 79, Commack, NY 11725

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BOG Meeting Minutes

American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc.

BOG Meeting, Long Island Chapter
Tuesday April 14th, 2015
4:30 – 5:30
John Harvards, Laker Grove, NY

Call to Order – At 5:20 by Tom Fields as Rich Rosner was away on business, First Role Call showed 7 Board Members

Thomas Fields, Rich Halley, Don Kane, Andrew Dubel, Charles Lesniak, Andy Manos and Frank Paradiso

Review of Agenda

Secretary (Rich Halley)

Meeting Minutes – Minutes March 2015, Motion to approve by Andy Manos 2nd by Charles Lesniak and Approved

President (Richard Rosner)(Away on business)

Rich was away on Business, Thomas Fields requested that everyone continue to monitor and update PAOE

Update PAOE points every month, deadlines falling way behind leader

President-Elect/Programs (Thomas Fields)

Tom is looking for sponsors for May Cocktail hour please contact him if interested
Trane Building Advantages will be sponsoring the June Meeting

Chapter Technology Transfer (Don Kane)

PAOE 450/1050/1070/3765 – Presentation for next month's DL Approved, Working on Newsletter invoicing and should have it out this week. Andy Manos will contact National Grid
This month's Webinar Being held at Stony Brook – Motion made by Tom Fields and 2nd by Andy Manos to supply Dave's Famous for Lunch with a cost not to exceed \$250. Motion approved

Treasurer (Andrew Dubel)

Opening Balance in the General fund was \$7,903.91 receipts from the PayPal account of \$654.00 closing Balance \$8,557.91

Grassroots Government Activities (Charles Lesniak)

PAOE 500/650/425/1150 – Rich wrote to senators and Reps to go visit and explain the benefits of ASHRAE, Chuck Schumer has responded and is looking for a meeting, Tom and Rich will go to meeting and represent the LI Chapter

Historian (Andrew Dubel)

PAOE 100/300/175/600 - Presentation to Wounded Warriors will be held at their Location, Andrew is scheduling the date. Andrew and Charlie Lesniak will coordinate getting Chapter Banner to NYC for photo op.

Honors and Awards Chair (Brian)

No report

BOG Meeting Minutes (Cont'd. from Page 3)**Research Promotion (Andy Manos)**

PAOE - 800/1050/895/2964 - \$15,300 goal. Challenge \$22,514, Current \$11,000.00. Vendor Book is complete.

Membership Promotion (Lee Feigenbaum)

PAOE - 500/800/530/1260 – No Report

Student Activities (Richard Halley)

PAOE 300/500/295/1902 - Student membership spread sheet was completed and sent to Web Master to incorporate into master list,

Rich requested a check for \$340 to process 17 new students. Rich made inquiries as to what we do with new student members at the national level.

A survey has been generated to the SA chairs and I should have an update by next meeting

Scholarship requests have gone out and we will need time next BOG to vote on winners.

YEA (Frank Paradiso)

YEA event held at Dave & Busters

Web Master (Richard Rosner)

No report

CRC 2017 (Richard Halley)

Met with Steve Sills to review best Practices: site Identification is in process

Golf (Steven Friedman, Peter Gerazounis)

Date has been changed to June 15th due to course conditions from winter. – All Members have been informed

Old Business

None

New Business

Newsletter articles due two weeks before next meeting or after last meeting.

Ballots are being mailed out for BOG election. Will have them back for May count

Time/Place of next BOG Meeting –








May 12th, 2015. Westbury Manor

Second Role Call showed 7 Board Members

Thomas Fields, Rich Halley, Don Kane, Andrew Dubel, Charles Lesniak, Andy Manos and Frank Paradiso

Motion to Adjourn @ 5:58 By Andy Manos 2nd by Don Kane and approved

Chapter Monthly Meeting - Program for 2014/2015

<p>September 9, 2014 * At Westbury Manor </p> <p>Dinner Presentation – New Advances in High Efficiency Cooling for Data Centers Presenter - Dave Smith **1 PDH**</p> <p>Membership Promotion Night</p>	<p>February 2015 </p> <p>NATIONAL ENGINEERS WEEK</p> <p>Engineers Seminar Series February 12, 2015</p>
<p>October 14, 2014 * At Westbury Manor </p> <p>Dinner Presentation – Variable Frequency Drives and Motor Considerations Presenter - Gail O'Keefe **1 PDH**</p> <p>Back to Basic Session I - Evans Lizardos "Smoke Purge System Design" **1 PDH**</p>	<p>March 10, 2015 * At Westbury Manor </p> <p>Dinner Presentation – Plate/Frames Presenter - Chris Abbot **1 PDH**</p> <p>Joint meeting with LI-Geo / YEA Night</p>
<p>November 11, 2014 * At Westbury Manor </p> <p>Dinner Presentation – HVAC Air Distribution System Efficiency Presenter - Eli Howard **1 PDH**</p> <p>Resource Promotion Night Joint meeting with SMACNA Student Activities Night & YEA Night as well as Membership Promotion and Upgrade Night</p>	<p>April 14, 2015 </p> <p>ANNUAL FIELD TRIP - John Harvard's Brew House Lake Grove, NY</p>
<p>December 9, 2014 * At Westbury Manor </p> <p>HOLIDAY PARTY Free Buffet Dinner for Members</p>	<p>May 12, 2015 * At Westbury Manor</p> <p>Dinner Presentation – Responsible Use of Refrigerants Presenter - Julian de Bullet **1 PDH**</p> <p>ASHRAE DISTINGUISHED LECTURER</p> <p>Back to Basic Session III – Evans Lizardos **1 PDH** "Energy Requirements for Different Refrigerant Systems"</p> <p>Student Activities Night / Refrigeration Night</p>
<p>January 13, 2015 * At Westbury Manor </p> <p>Dinner Presentation – "The Steam Kettle" The Generation and Control of Steam for Space Heat and Process Presenter - Paul Peck **1 PDH**</p> <p>Back to Basic Session II - Evans Lizardos **1 PDH** "Pipe Designs for Control of Temperature and Flow in Water Systems"</p>	<p>June 9, 2015 * At Westbury Manor</p> <p>Free Buffet Dinner for Members</p> <p>PAST PRESIDENTS NIGHT & OFFICER INSTALLATION STUDENT SCHOLARSHIPS TO BE AWARDED ASHRAE History Quiz and prize Give-A-Ways</p>
<p>January 24-28, 2015 </p> <p>ASHRAE Winter Meeting . Palmer House Hilton, Chicago, IL</p>	<p>June 15, 2015 * Cherry Valley Club, Garden City, NY</p> <p>ANNUAL GOLF OUTING * NEW DATE* See pages 18-20</p>
<p>February 10, 2015 * At Westbury Manor</p> <p>Dinner Presentation – Air Distribution and Surgical Suites Presenter - Jack Conway **1 PDH**</p> <p>Joint Meeting with USGBC Research Promotion Night / Membership Promotion Night</p>	<p>June 19, 2015 * Dixie II @ Captree State Park</p> <p>ANNUAL FISHING TRIP (3pm to 7pm) * See Page 21 for details</p>
	<p>August 2015</p> <p>Chapter Regional Conference (CRC) Region I Syracuse Chapter Hosting August 20-22, 2015</p>

Long Island Chapter - Past Presidents

1958	H. Campbell, Jr. PE	1986	Jerome T. Norris, PE
1959	Clyde Alston, PE	1987	Abe Rubenstein, PE
1960	Sidney Walzer, PE	1988	Michael O'Rourke
1961	Sidney Gayle	1989	Mel Deimel
1962	William Kane	1990	Robert Rabell
1963	Louis Bloom	1991	Gerald Berman
1964	Milton Maxwell	1992	Donald Stahl
1965	Will Reichenback	1993	Ronald Kilcarr
1966	Joseph Minton, PE	1994	Jerald Griliches
1967	Irwin Miller	1995	Walter Stark
1968	Walter Gilroy	1996	Joe Marino
1969	Charles Henry	1997	Norm Maxwell, PE
1970	William Wright	1998	Alan Goerke, PE
1971	Louis Lenz	1999	Frank Morgigno
1972	Ronald Levine	2000	Michael Gerazounis, PE, LEED AP
1973	Henry Schulman	2001	Ray Schmitt
1974	Myron Goldberg	2002	Steven M. Stein, PE
1975	John N. Haarhaus	2003	Andrew Braum, PE
1976	Richard K. Ennis	2004	Claudio Darras, P.E.
1977	Kenneth A. Graff	2005	Craig D. Marshall, P.E.
1978	Evans Lizardos, PE, LEED AP	2006	John Nally
1979	Albert Edelstein	2007	Peter Gerazounis, PE, LEED AP
1980	Ralph Butler	2008	Steven Friedman, PE, HFDP, LEED AP
1981	Robert Rose, PE	2009	Steven Giammona, P.E., LEED AP
1982	Timothy Murphy, PE	2010	Nancy Román
1983	Leon Taub, PE	2011	Carolyn Arote
1984	Raymond Combs	2012	Brian Simkins, LEED AP
1985	Edward W. Hoffmann	2013	Andrew Manos, LEED AP BD+C



PAOE POINTS FOR 2014/2015

Chapter Members	Membership Promotion	Student Activities	Research Promotion	History	Chapter Operations	CTTC	GGAC	Chapter PAOE Totals
282	655	1,945	1,195	450	1,745	1,355	825	8,170

May Program



Dinner Presentation

“Responsible use of Refrigerants ”

Presented by

Julian de Bullet
deBullet Consulting

ASHRAE DISTINGUISHED LECTURER

**Attendees
Will Earn
2 PDH's!**

DATE:	TUESDAY, JANUARY 13, 2015		
Time:	6:00 PM - Cocktails and Hors D'oeuvres 6:45 PM - Dinner Presentations 8:45 PM - Conclusion	Fee:	\$ 40.00 Member \$ 45.00 Guest \$ 15.00 Student
Location:	WESTBURY MANOR (516) 333-7117 Jericho Tpke (South Side), 3/10 of mile east from Glen Cove Rd., Nassau County, NY. Directions are posted at @ www.ashraeli.org.		
Presentation:	<p>This month's presentation will discuss the practical application of Standards 15, 147 and 34, including how to retrofit existing Mechanical Rooms to meet the Standard. Emphasis is placed on the safety of the persons and property on or near the premises. The presentation also discusses the practices and procedures that will reduce emissions into the atmosphere of halogenated refrigerants used in refrigeration and air-conditioning. Ever wonder why you hear so many different dates on the phase out of refrigerants? Want to know which refrigerant is being phased out when and what will replace it? This lecture will describe the current status of refrigerants and provide our best guess on where things are going in the future.</p> <p>In addition Evans Lizardos, PE, LEED AP, will be presenting Part III of the 'Back to Basics' series – Energy Requirements for Different Refrigerant Systems.</p> <p>All attendees will receive <u>2 PDH's</u>.</p>		
About our Speaker:	<p>Julian de Bullet has over 40 years experience in the HVAC industry. He is President of deBullet Consulting. His career has concentrated on the applications of Chilled Water and All-Air systems as a manager of applied equipment sales and of a service/performance contracting operation. Recently he was Vice President, Business Development of FAFCO Thermal Storage Systems, a manufacturer of ice storage systems. Prior to that he was Director of Industry Relations for a major HVAC manufacturer.</p> <p>As ASHRAE Vice President (2001/2003), he served on the Board of Directors and the Executive Committee and was Chair of Member Council and Publishing Council. He is Past President of the National Capital Chapter and was Director and Regional Chair for ASHRAE Region III. He is an ASHRAE Distinguished Lecturer with over 350 Seminars delivered around the world. He is a member of ASHRAE TC 8.2 Centrifugal Chillers and has co-authored numerous ASHRAE Handbook chapters. He chaired the Professional Development Committee, was a voting member of the Publications and Education Council and the Society Advocacy Committee. He has co-authored ASHRAE Position Documents on Energy Efficiency, Natural Refrigerants and Ozone Depletion. He is a Life Member and holds the Distinguished and Exceptional Service Award.</p> <p>He presently serves on both the Honors and Awards Committee and the Nominating Committee. He is a Graduate of the London University system in England, where he obtained an Electrical Engineering degree and a Diploma in Marketing.</p>		

CHAPTER MAY NOT ACT FOR SOCIETY

An International Organization

Membership

We value the continuing professional development of our young engineers and HVAC professionals. Your Long Island Chapter of ASHRAE strives to present superior educational and networking opportunities for our student members. With that being said, what could be more important to your continuing education than some quality time with one of ASHRAE's Distinguished Lecturers?

What's more, this month will conclude our exclusive "Back to Basics" lecture series. As always, it is noteworthy that these opportunities are only available to members and their guests. There couldn't be a better time to get involved with ASHRAE!

For more information about upcoming events, or to sign up, be sure to visit our website at www.ashraeli.org. As always, we look forward to seeing you at our next meeting, and we encourage you to bring a friend.

Cheers!

Lee Feigenbaum, LEED AP BD+C
Membership Chairman



Young Engineers in ASHRAE (YEA)

Spring is in full bloom and the warm weather is here and the summer is closer than ever. The Long Island chapter meeting on May 12th, 2015. The local chapter meeting is always a great way to learn about what being a member of ASHRAE has to offer and a great place to meet other people in the industry.

Keep up to date with some upcoming YEA programs and events as follows:

YEA Leadership Weekend Fall 2015

September 11-13, 2015 in Montreal, Quebec

Presented by the ASHRAE Learning Institute, the HVAC Design Essentials Training allows attendees to gain the fundamentals and technical aspects to design, install and maintain HVAC systems.

To encourage attendance by young professional ASHRAE members, the YEA Institute offers one full scholarship for attendance to the HVAC Design: Level I – Essentials training. The full cost of registration to Level I of this workshop will be covered by ASHRAE.

October 5-7, 2015 in Atlanta, GA (deadline for application is Monday, August 10, 2015)

We will be looking for more ideas for social events so please contact me if you have suggestions.

Be sure to connect with Young Engineers in ASHRAE.

Frank Paradiso
YEA Chairman



Research Promotion

I would like to thank all the companies who have participated in the annual 2015 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. 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 \$2,208,050 with over 75 research projects on board. Our chapter is expected to raise approximately \$15,300 towards the overall goal of which we have already raised \$12,050. 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

Mr Andrew B Dubel, PE	Mr John D Nally
Mr Andrew E Manos, LEED AP	Mr Kenneth T Mueller
Mr. Anthony J. Rosasco, Sr	Mr Lee Feigenbaum
Mr Charles J. Lesniak, PE	Mr Marcel A Bally
Mr Donald Kane, PE	Mr Michael Gerazounis, PE, LEED AP
Mr. Evans J Lizardos	Mr Richard I Halley
Mr Frank Morgigno	Mr Richard Pearson, PE, LEED AP
Mr Frank Paradiso	Mr Richard L Rosner, PE
Mr James Tauby	Mr. Ricky Gaska
Mr Jerome T Norris	Mr Ronald J Kilcarr, PE
	Mr Thomas Fields, PE, LEED AP

COMPANIES

Accuspec Inc.	Gil-bar Industries
ADE Systems	J-Mat Controls
ASAP Sales	KLima
Building Cooling Systems	Marplat Company
Bush Wholesalers	Mason East
Carrier	Metro Air Products
Catan Equipment Sales	Mitsubishi
Clean Air Company	PVI / Riverside Hydronics
Daikin	Rathe Associates
Dagher Engineering	Technical Air Systems, Inc.
EMTEC Consultants	VMC East
Environmental Air Quality	Vitaulic
GA Fleet	Wales Darby

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
 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 you accredit your contribution to the LONG ISLAND CHAPTER 006 ***

Thank you again for all of your support!

Andrew Manos, LEED AP BD+C
Research Promotion Chair



CTTC - The Real McCoy

Looking out from the top of this column is yours truly. I'm the one on the right (I know...King/Kane...so easy to confuse), but is the gentlemen on the left actually Don King? In point of fact, he is a wax replication courtesy of Madame Tussauds Museum in New York City. But the real question is, is he a "fake"? Certainly, he (it?) is a real wax figure and, for purposes of taking one's picture with, quite functional. However, he would perform no practical purpose in promoting a pugilistic pairing. This is frequently the case if counterfeit products are obtained (either unknowingly or not) and used; they may appear to be correct, but when called upon to perform they fail. Counterfeiting of products is not, of course, limited to the HVAC/R industry. A quick stroll down the streets of Manhattan will expose you to a plethora of products, from handbags to DVD's, many of which are of questionable provenance. Some are quite good, others, not so much. In any case, these kind of counterfeit products, while quite illegal, pose mostly economic threats (or legal ones for the sellers) and the possibility of embarrassment (for the buyers). Bogus products in industries like HVAC/R, aviation, power generation and automobile production/maintenance on the other hand can pose serious safety issues as well as performance issues. It is disconcerting, to say the least, to know that many instances have been recorded of fasteners being supplied to the aviation industry without the proper quality pedigree to assure that the materials used during manufacture were correct. Lest one think that one bolt could not be a problem, you may recall the loose leading-edge slat bolt in a popular jetliner which, after landing and retraction of the slat back into the wing, was propelled into the fuel tank, resulting in a fuel leak and ensuing fire which totally destroyed the aircraft (thankfully, all on board exited safely).



So, what counterfeit products do we have to be on the lookout for in the comfort cooling and refrigeration arenas? Pretty much any and all materials could be suspect; relays, contactors, fuses, reversing valves and refrigerants. Fortunately, since many of the same electrical parts used in HVAC/R equipment are used in other types of products, there are many more "watchdogs" out there heading off the impostor parts. Refrigerants, on the other hand, are associated more with the HVAC/R field, so let us dwell upon them. Environmental and economic pressures have resulted in the "perfect storm" as it were, for unscrupulous persons looking to profiteer from the shortages and rising costs which have been the result of the phasing out of CFCs and HCFCs and proposals for phasing out HFCs. What are the consequences of counterfeit refrigerants? Generally, they can be grouped into three categories; legal, performance and safety.

Whether the product is an exact duplicate of an existing refrigerant or a mongrel potpourri of whatever is at hand (without regard as to functionality), if it is NOT what it is labeled as, it is counterfeit. Selling, buying and/or using such products potentially exposes you to the wrath of the EPA, IRS and, if illegally imported, US Customs. Having any one of these agencies swooping down on you is scary enough. Having all three at the same time would be the ultimate nightmare. Sometimes, possession of such refrigerant contraband can result in prosecution, even if it was purchased in good faith that it was legitimate product. At the very least, one could expect the product on hand to be confiscated, leaving one out the purchase price as well as without a supply of refrigerant.

Using a refrigerant in a system other than that for which it was designed, will more than likely adversely affect the performance of the system and, perhaps, degrade the components to which it is exposed. If the system is not performing as designed the energy costs will be higher and, if the performance of the building systems have to be audited to confirm compliance with "green" energy limitations, there is a good possibility that the building will "fail". As the green building movement is moving towards having to show that performance goals are met, equipment operating at sub-par performance levels will impede this process, which could, ultimately, have economic consequences if the performance was a contractual requirement.

Finally, we have the concern of safety. Safety of the personnel who install, operate and maintain the equipment, as well as the safety of the occupants of the building (or vehicle) in which the HVAC/R equipment is installed.

As noted earlier, even a perfect replication of a manufacturer's formulation, if its production is not authorized by the owner of the product, is a counterfeit product and is illegal. More dangerous are those suppliers of adulterated mixes which can pose dangers to those working with the equipment, or occupying the building cooled by same. The Air-Conditioning,

CTTC - The Real McCoy (Cont'd. from Page 10)

Heating and Refrigeration Institute (AHRI) has noted occurrences where containers supposedly containing R-134a were found to contain R-40 (methyl chloride). Although used years ago as a refrigerant, methyl chloride (chloromethane) use was discontinued due to its toxicity and flammability. If the equipment contains aluminum, the methyl chloride will react with it to form highly reactive (pyrophoric) and/or toxic compounds which, if exposed to air and moisture, may result in a violent chemical reaction, liberating a strong acid.

While it is true that some of the replacement refrigerants, such as R-1234yf, are considered to be "slightly flammable" (one of the so called "2L" refrigerants), the flammability of many of the rogue counterfeit mixtures far exceeds these standard limits (which even some automakers have questioned as to their suitability and performance during automobile accidents). This creates a hazardous situation for those who maintain the equipment as well as the facility itself, as the fire suppression system installed will not have taken into account the higher level of hazard.

How then are we to deal with the increased possibility of possibly hazardous refrigerants? In an AHRI White Paper on the subject, a four part approach was recommended:

- Obtain refrigerant from a trusted and well-known supplier, who can and will supply documentation as to the origins of the product.
- Verify the refrigerant in the cylinders, prior to use.
- Verify the refrigerant in any equipment to be serviced, prior to commencing said service.
- Label and isolate contaminated systems (and cylinders).

While this may appear to represent a significant amount of effort to implement, keep in mind the consequences of a single instance of a contaminated or counterfeit refrigerant causing a fire and personal injury.

Unless someone develops the perfect refrigerant with no ozone depletion, global warming or flammability issues, the counterfeit refrigerant problem will only get worse.

Interestingly enough, since we are concerned with making sure our refrigerants are the "real McCoy", it turns out that there are at least three (perhaps all apocryphal) stories concerning the origin of that term. In one, Elijah McCoy, in 1872, developed a drip cup lubricator for steam engines that spawned a lot of copycat devices...thus people would ask for the "Real McCoy".....OR

About the same time as Elijah was inventing his lubricator...a Scottish whiskey (McKay) referred in their promotional material to a ..."drop of the real McKay"....And finally

We have the story of William s. McCoy, an American rum runner who, although obviously exhibited disdain for laws, insisted on not watering down his hooch...thus his product was the "real McCoy".

Whichever version you prefer, the take-away is the same...to make sure your refrigerant is the real McCoy.

Don Kane, P.E.
CTTC Chair - cttc@ashraeli.org

Student Activities

Last month the temperatures felt more like winter this month spring has sprung and our students are very busy closing out their school year and getting prepared for final exams. Our Student Chapters are also getting ready to end the year and start the preparation to hand off the baton to the next round of officers and future leadership.

I have been receiving scholarship applications and will be presenting the 2015 slate to the ASHRAE LI Board of Governor's to review and select this year's winners.

As always we are working with Students and Employers to connect those looking for summer employment or summer and or full time positions. If you are in need of help and would like to consider one of our students please contact me and rchalley@trane.com



Richard Halley
Student Activities Committee Chair

Grassroots Government Activities Committee (GGAC)

Grassroots Government Activities Committee (GGAC) As most of you know ASHRAE is no longer a US based society it has moved itself to a global society. The main purposes of the GGAC is to serve as a communicator between the local ASHRAE chapters and national, serve as a communicator between the local ASHRAE chapters and other trade organizations, and to update local government officials on ASHRAE standards and technical issues.

May is Building Safety Month.

Building Safety Month is an annual event sponsored by the International Code Council. It is a public awareness campaign to help individuals, families and businesses understand what it takes to create safe and sustainable structures. The campaign reinforces the need for adoption of modern, model building codes, a strong and efficient system of code enforcement and a well-trained, professional workforce to maintain the system. For more information on Building Safety Month, go to:



<http://www.iccsafe.org/about-icc/building-safety-month/2015-building-safety-month-is-may/>

Charlie J. Lesniak, P.E.
Grassroots Government Activities Chair

Easy Rider Meets ASHRAE?



With the coming of Spring (late season snow storms notwithstanding) and knowing that a number of our Chapter's members are itching to bring their motorcycles out from behind the snow blowers, we are looking to gauge interest in a group ride in the near future.

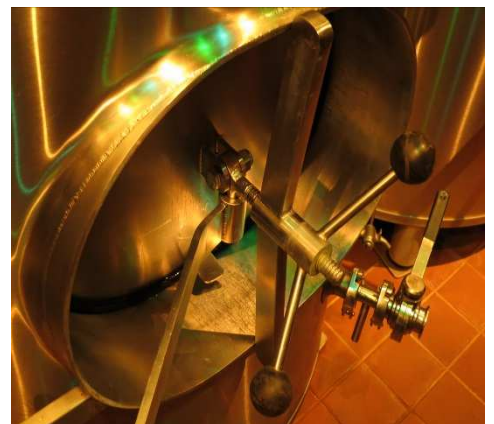
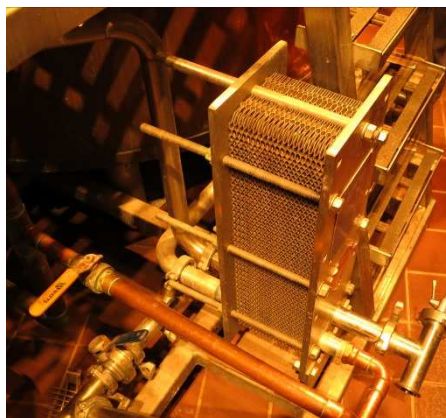
1. Would you be interested?
2. Would you prefer a weekday or weekend? (If week end, Saturday or Sunday?)
3. Would you prefer a short (1/2 day) ride (maybe breakfast before hand) or a longer trip (maybe to Greenport or Montauk) with lunch at the destination and maybe a stop or two on the way there and back?
4. Would you prefer: June, July, August or September?

Please respond with your preferences to: CTTC@ashraeli.org

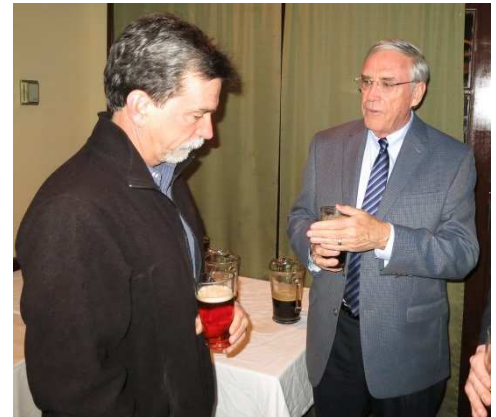
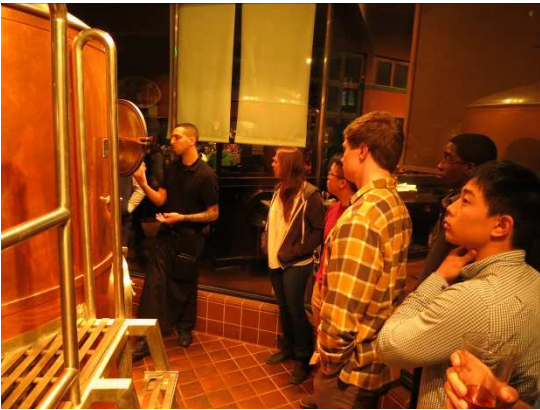
Thanks,
Don Kane
CTTC-Chair



April Field Trip Pictures



April Field Trip Pictures (Cont'd. from Page 14)

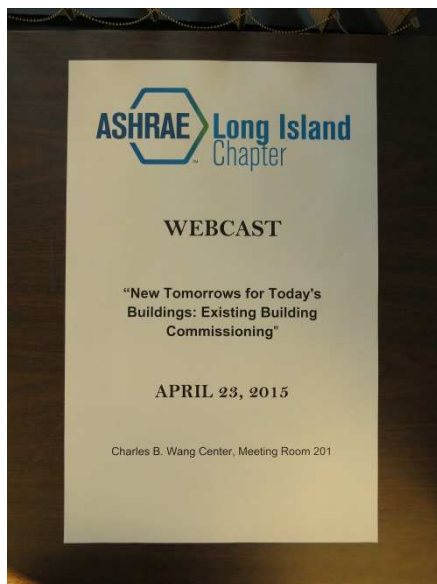


Existing Building Commissioning Webcast Recap

On April 23, 2015, 29 LI Chapter members, student members and potential members participated in a viewing of the ASHRAE WEBCAST "New Tomorrows for Today's Buildings: Existing Building Commissioning", held at the Charles B. Wang Center at the State University - Stony Brook. After a nice lunch of Pulled-Pork, Ribs and Chicken, the attendees received an education in the "How's" and "Whys" of commissioning existing structures, as well as the importance of doing so, due to the vast number of older buildings, designed and built long before the adoption of many, if not most, of today's energy codes and "Green" building initiatives. Due to the large number of such existing buildings, the importance of Commissioning and retro-commissioning was stressed. As pointed out by the presenters; James K. Vallort, Ronald J. Wilkinson, PE and Robert G. Baker, by carrying out the commissioning process, frequently sub-performing or non-functional systems are discovered which have been responsible for excessive energy use. Once these buildings have been brought to this baseline of function, it is then possible, as a continual process, to enhance the performance of the systems and subsystems which provide the comfort conditioning and air quality for the occupants. The commissioning process is not the "end of the line", it is, rather, a starting point for additional improvements. The three presentations were informative, as were the interactive Q&A segments. At the conclusion, those requiring continuing education credits for license renewal were eligible for 3 PDH's.

Thanks are due to Andy Manos, Past-President of LI Chapter and Frank Paradiso - YEA Chair, who arranged for the use of the SUSB facilities. The Chapter also thanks Daikin Applied, for sponsoring the event, which helped to underwrite the cost of the refreshments. Certainly, all who attended are looking forward to next year's Webcast.

By
Donald W. Kane, P.E.



Existing Building Commissioning Webcast Recap (Cont'd. from Page 16)



ASHRAE Golf Outing - Monday, June 15, 2015



16th Annual LI ASHRAE GOLF OUTING

Monday – June 15th, 2015

Place: Cherry Valley Club
 Brunch: 11:00 am
 Shotgun: 12:30 pm
 Reception: 5:30 pm
 Dinner: 6:30 pm



This Event fills up fast, to guarantee a spot RSVP Soon.

(2) Foursome Limit Per Company.

Proper golf attire and shoes are required. Locker room and shower privileges are included.

CHECKS MUST BE IN BY APRIL 30, 2015 (No Exceptions)

Fax, Email or Mail entire sheet or cut this half and return

Name: _____ Company: _____
 Address: _____ Phone: _____
 City, State, Zip: _____ Fax: _____

I have read and understand the Cherry Valley Rules and Regulations (Signature): _____

Guest 1: _____ Company: _____
 Guest 2: _____ Company: _____
 Guest 3: _____ Company: _____



Fund raising is primarily through the contributions of our sponsors.

Please make check payable to:

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116 West 32nd Street

New York, NY 10001

Fax No.: (212) 643-0503

Email: peter.gerazounis@mgdpc.net

Golf & Meals:	\$ 350 pp x _____	= \$ _____
Reception & Dinner:	\$ 130 pp x _____	= \$ _____
Sponsor Dinner:	\$1,000 <input type="checkbox"/> Yes	= \$ _____
Sponsor Lunch:	\$ 500 <input type="checkbox"/> Yes	= \$ _____
Sponsor Reception:	\$ 500 <input type="checkbox"/> Yes	= \$ _____
Sponsor Prizes:	\$ 500 <input type="checkbox"/> Yes	= \$ _____
Sponsor Beverage Cart:	\$ 500 <input type="checkbox"/> Yes	= \$ _____
Sponsor Hole:	\$ 200 <input type="checkbox"/> Yes	= \$ _____

ASHRAE Golf Outing - Monday, June 15, 2015

Cherry Valley Club

28 Rockaway Avenue at Third Street

Garden City, NY

Telephone: (516)746-4420

Fax: (516)746-4421



Program:

11 a.m. Brunch in the Clubroom & Lounge – including Omelet station, deluxe deli board with rolls, chicken scarpiello, danish, croissants, bagels & cream cheese, sliced nova, fresh fruit and cheeses, Good Humor ice cream cart.

12:30 p.m. Shotgun Start Golf – Playing individual scores. Prizes for long drive, closest to the pins, low gross and callaway. Refreshments at the halfway house will include packaged snacks and whole fresh fruit, hot dogs, beer & soda. A snack cart will also be on the course. Carts, forecaddies, driving range, locker room and showers are all included in the price.

5:30 p.m. Following Golf - Open Bar with hot and cold horsd'ouvres in the Main Lounge. Fresh mozzarella with sun-dried tomatoes, cajun chicken, spring rolls, baby lamb chops, sesame chicken, turkey canapés, fried oysters, cheeses, fresh fruit, lobster halves, fresh clams & oysters, shrimp and crab claws.

6:30 p.m. Reception Dinner – Awards and raffle in the Main Dining Room. Carving stations of beef tenderloin & turkey breast. Chafing dishes of chicken & salmon featuring the chef's specialty, pasta station with marinara or vodka sauce, and choice of tossed or Caesar salad. Viennese dessert table following the dinner featuring pastries, fruit, cookies, assorted cakes and pies. Full beverage service throughout is included.

Women are also invited to attend and participate. There are locker room facilities available. The Cocktail hour and Dinner will also be available for those who cannot attend during the day for the golf.

Note: We are limited to 128 golfers. Openings will be filled on a first come-first serve basis. Corporate sponsorships will be available and raffle items will be welcome. Proper golf attire is a requirement for the golf course. Soft spikes are required. Please wear a jacket for the dinner.

Directions:

From the North Shore of Long Island: Take the Long Island Expressway to Exit 34 South (New Hyde Park Road Southbound), Grand Central Parkway (Northern State Parkway) to Exit 26 South (New Hyde Park Road Southbound) or Jamaica Avenue (Jericho Turnpike) Eastbound to New Hyde Park Road. Travel Southbound on New Hyde Park Road for approximately 5 to 7 miles to Stewart Avenue (You will cross over a set of railroad tracks). Take Stewart Avenue eastbound for approximately 1-1/2 miles to Cherry Valley Avenue. Travel Southbound on Cherry Valley Avenue for 1/2 mile, Cherry Valley Avenue becomes Rockaway Avenue. Continue on Rockaway Avenue and the entrance to Cherry Valley Club will be on your right.

From Local Points North: Take Old Country Road or Stewart Avenue to Franklin Avenue. Travel Southbound on Franklin Avenue to Fourth Street (just after crossing over railroad tracks). Turn right on Fourth Street and continue until it ends (Rockaway Avenue). Cross over Rockaway Avenue into the Cherry Valley Club's parking lot.

From the South Shore of Long Island: Take the Southern State Parkway to Exit 19 (Peninsula Boulevard-Hempstead/Garden City). Travel Northbound on Peninsula Boulevard for approximately 1/2 mile to President Street. Bear left on President Street (Northbound) for approximately one mile and cross over Hempstead Turnpike. President Street will become Cathedral Avenue. Continue on Cathedral Avenue for one mile to Fourth Street. Make a left on Fourth Street (Westbound) and continue until it ends (Rockaway Avenue). Cross over Rockaway Avenue into the Cherry Valley Club's parking lot.

From Local Points South: Take Hempstead Turnpike to Franklin Avenue. Travel Northbound on Franklin Avenue to Fourth Street. Turn left on Fourth Street and continue until it ends (Rockaway Avenue). Cross over Rockaway Avenue into the Cherry Valley Club's parking lot.

ASHRAE Golf Outing - Monday, June 15, 2015

Cherry Valley Club Golf Outing Guidelines



To add the enjoyment of your day, we ask that you abide by Cherry Valley Club's basic rules of The Club, dress, golf etiquette & safety, golf carts, and care of the course.

Club Rules

1. Smoking is not permitted in the Club House.
2. Cell Phones are permitted in the parking lot only. Use of Cell Phones beyond the parking lot is strictly prohibited. This includes the Golf Course.

Dress Code

1. Jeans, designer or otherwise, are not acceptable on club property. This not only includes pants, but skirts, and cut-offs.
2. T-shirts and tank tops are not in keeping with the atmosphere of the club and as such, are not acceptable. The definition of T-shirt includes those with psychedelic coloring or suggestive printing.
3. If the Main Dining room is going to be utilized for any purpose, jackets are required.
4. Short shorts are not permitted on the golf course, practice tee or putting green by either male or female. Bermuda shorts of acceptable length are permitted. Jogging attire and denim pants are not considered proper attire for the golf course.
5. **Soft spikes** are mandatory at all times on our fine golf course. If your shoes need soft spikes, arrive early so we can change them. There is a nominal fee. There is **no** exception to this rule.

Golf Etiquette and Safety

1. Slow play shows lack of consideration for the players in your group and, more important, for the players behind you. Golf is made much more enjoyable if all players adhere to the following points in the conduct of play:
 - Minimize the time spent looking for balls by watching the flight of balls hit by everyone in your group. If a ball appears to be lost or out of bounds, hit a provisional ball before leaving the tee.
 - Signal the players behind you to play through if it becomes apparent that a ball will not easily be found and you are holding up play.
 - Don't rush addressing and striking the ball but move briskly between shots.
 - If your ball is some distance from the golf cart and the exact club selection is in doubt, take several clubs with you when you leave the cart to walk to the ball.
 - When play reaches the area of the green, park the golf cart(s) behind the green or adjacent to the next tee. Walk briskly off the rear or side of the green after putting out. Mark your score cards after your group is off the green.
 - Once a score of double par has been posted, pick up and move on to the next hole.
2. No player should play until the players in front are out of range.
3. If your ball appears headed for a player or group of players immediately shout "fore" in a loud clear voice.
4. No one should move, talk or stand close to or directly behind the ball or the hole when a player is addressing the ball or making a stroke.

ASHRAE Fishing Trip - Friday, June 19, 2015



Come Join Us!



ASHRAE Long Island Chapter's Fishing Trip 2015

Date/Time

Friday, June 19th, 2015
3:00 p.m. – 7:00 p.m.
(Please be at the dock at 2:30 p.m.)

Location

Dixie II @ Captree State Park Boat Basin, NY

Fee

\$50 per person
(Maximum of 50 people)
Food, Beverages, Bait & Tackle will all be provided

Please RSVP by June 1st, 2015

andym22@optonline.net

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Directions to the Boat: Take Southern State Parkway to Exit 40 South Robert Moses Causeway South. (Ocean Beaches). Continue South on Robert Moses Causeway (over two bridges) follow the signs for Captree State Park Boat Basin. Dixie II is located on the east end of the parking lot near the bait store.

\$\$\$ SAVE MONEY \$\$\$

ASHRAE-LI is now offering **Ticket Books** for our Monthly Meeting/Dinner presentations. **\$400 for a book of Eleven** (that's right....eleven, one better than ten) tickets for the price of ten member admissions. Tickets are valid until December of 2015 and may be used by members and non-members. For those of you who attend all or most of our meetings and for organizations who normally send large groups to the meetings, this is a great way to save a few dollars and speed up the entry process. For more information and/or to purchase ticket books, **please contact Don Kane at finsec@ashraeli.org or call 631-574-4870.**



ASHRAE's 2015 Annual Conference



Join us at ASHRAE's 2015 Annual Conference

June 27–July 1 | Atlanta, Georgia | www.ashrae.org/atlanta

Join ASHRAE in its hometown of Atlanta! Take advantage of the opportunity to discuss and examine the latest topics in the building industry, such as high performing buildings and modeling, through the technical program; participate in technical tours; attend ASHRAE Learning Institute courses; sit for an ASHRAE certification exam; and earn professional development credits.

Conference Technical Program—includes the third annual Research Summit, which brings together researchers to present and discuss the latest research. Tracks focus on the design, construction and operation of high performance buildings, specifically advanced design guidance, modeling, operation and optimization, and indoor air quality. Laboratories, refrigeration, fundamentals, applications, systems and equipment round out the program.

Networking—share ideas and learn from fellow members from your hometown and around the world.

ASHRAE Learning Institute—choose from two full-day professional development seminars and seven half-day short courses to stay current on new HVAC&R technologies.

ASHRAE Certification—to gain a competitive edge, apply by June 9 to sit for an ASHRAE Certification exam.

CRC 2015 - August 20-22, 2015 - Syracuse, NY

The 2015 ASHRAE Region 1 CRC will be hosted in Syracuse, NY from August 20th thru August 22nd, 2015. Sign up today!

www.ashrae2015crc.com

Please mark your calendars for August 20 to 22 because the Central New York Chapter CRC is fast approaching. We have many things planned for you and your family to enjoy in the Central New York area. Among the events planned are the welcome party at the "Original" Dinosaur BBQ and replacing the traditional Presidential Dinner with a fun filled evening with a clambake at Hinderwadel's Clam Grove. You can make reservations plus check out other things to do in the area on our website at www.ashrae2015crc.com

Hope to see you in Syracuse !



CRC 2015 - August 20-22, 2015 - Syracuse, NY

EVENT SCHEDULE					
Day	Start Time	End Time	Event	Location	Attendees
THURSDAY, August 20, 2015	12:00pm	7:00pm	Registration	Lafayette Foyer	All Attendees
	12:00pm	2:00pm	Region 1 Audit	TBD Hospitality Suite	Invited Region 1 Officers
	1:00pm	3:00pm	Hospitality Suite	TBD	Registered Attendees
	1:00pm	3:15pm	Technical Session	Skaneateles Room	Registered Attendees
	3:30pm	5:30pm	Business Meeting 1	Lafayette Room	Delegates, Alternates & Regional Officers and Chairs
	6:00pm	7:00pm	Welcome Reception	Dinosaur Bar-B-Que 246 West Willow St.	Registered Attendees
	7:00pm	8:30pm	Welcome Dinner		
	8:30	12:00	YEA Event		
	10:00pm	1:00am	Hospitality Suite	TBD	Registered Attendees
FRIDAY, August 21, 2015	7:00am	7:00pm	Registration	Lafayette Foyer	All Attendees
	9:00am	11:00am	Hospitality Suite	TBD	Registered Attendees
	7:00am	9:00am	Breakfast	Horizons I II III	Registered Attendees
	8:00am	9:00am	Local ASHRAE Recognition Breakfast	Horizons VI	Invited Society and Local Guests
	8:00am	10:00am	Caucus	Lafayette Room	Delegates & Alternates ONLY
	9:00am	4:00pm	Companion Trip to Winery*	Meet 1st Floor Lobby	Registered Attendees w/ RSVP
	10:00am	11:45am	Chapter Operations Workshop	Skaneateles Room	Chapter Officers
	12:00pm	1:00pm	Lunch	Horizons	Registered Attendees
	2:00pm	3:30pm	Executive Session	Lafayette Room	Delegates & Alternates ONLY
	2:30pm	5:00pm	Tour of Syracuse Center of Excellence	Meet 1st Floor Lobby	Registered Attendees w/ RSVP
	3:30pm	5:45pm	Business Meeting 2	Lafayette Room	Delegates, Alternates & Regional Officers and Chairs
	6:00pm	10:00pm	Presidential Dinner	Hinerwadel's Grove	Registered Attendees
	10:00pm	???	YEA Event	Hospitality Suite / Armory Square / Phoebes	YEA Members
	10:00pm	12:00am	Hospitality Suite	TBD	Registered Attendees
	10:00pm	12:00am	Hospitality Suite	TBD	Registered Attendees
SATURDAY, August 22, 2015	7:00am	10:00am	Registration	Lafayette Foyer	All Attendees
	9:00am	11:00am	Hospitality Suite	TBD	Registered Attendees
	7:00am	9:00am	Breakfast	Horizons	Registered Attendees
	8:00am	9:45am	Business Meeting 3	Lafayette Room	Delegates, Alternates & Regional Officers and Chairs
	8:00am	11:00am	Government Activities Workshop	Manlius Room	GA Chairs
	8:00am	11:00am	Membership Promotion Workshop	Skaneateles A	Membership Chairs
	8:00am	11:00am	CTTC Workshop	Skaneateles B	CTTC Chairs
	8:00am	9:30am	Research Promotion Workshop	Fayetteville Room	Research Chairs
	8:00am	9:30am	Historian Workshop	Dewitt Room	Historians
	8:00am	9:30am	Student Activities Workshop	Pompey Room	Student Activities Chairs
	10:00am	11:30am	RECC Workshop	Fayetteville Room	RECC Chairs
	10:00am	11:30am	YEA Workshop	Pompey Room	YEA Members
	10:00am	12:00pm	Hospitality Suite	TBD	Registered Attendees
	12:00pm	2:00pm	Awards Luncheon	Horizons	Registered Attendees
	2:30pm	3:30pm	CRC Debrief	TBD Hospitality Suite	CRC Host Committee & Guests

Note: * Companion Trip to Winery limited to first XX that pre-register

CRC 2015 - August 20-22, 2015 - Syracuse, NY

Hotel Information

Crowne Plaza Syracuse Hotel
701 East Genesee Street
Syracuse, NY 13210

The Crowne Plaza Syracuse hotel is an upscale hospitality gem, offering luxury rooms and suites and generous amenities for business and leisure travelers. From onsite dining at Redfield's Restaurant to elegant meeting space and a convenient business center, the offerings at our distinctive circular hotel are diverse and accommodating. Be greeted by world-class service and inspired services unsurpassed by other downtown Syracuse hotels.



The Crowne Plaza has a shuttle available for use by hotel guests. The shuttle is available anytime throughout the day. The shuttle will bring you and your family to the following destinations:

- Airport drop off and pick up
- **Destiny USA** - This is one of Americas largest shopping and entertainment venues. More than 200 retailers, kid's adventure including go carts, Wonderworks, Dave and Busters and much more. The Onondaga Creekwalk starts (or ends) at Destiny USA. www.destinyusa.com;
- **Armory Square** – Armory Square is located downtown and includes boutique shopping and a variety of restaurant, cafes and bars with outdoor seating and entertainment, the MOST (Museum of Science and Technology). Armory Square is also the start (or end) of the Creekwalk, a walking path along Onondaga Creek through the heart of Syracuse. www.Armorysq.org ; www.most.org ; www.syracuse.ny.us/Creekwalk.aspx
- **Downtown** – Outside of Armory Square is a host of other restaurants, shops and museums including the Erie Canal Museum, Everson Art Museum. Syracuse is filled with beautiful architecture. www.downtownsyracuse.com; www.Everson.org ; www.eriecanalmuseum.org; www.CNYhistory.org
- **Onondaga Lake Parkway** – This Park on the lake is a recreational gemstone, with a 10 mile biking, walking, rollerblading trail on the lake, Wingman's kid's park, the Salt Museum, picnic and recreational areas, and a short walk to the village of Liverpool. www.onondagacountyparks.com/onondaga-lake-park

Access to these venues by the free shuttle is a great way for your family to enjoy the Syracuse area while visiting for the 2015 ASHRAE Region 1CRC.

CRC 2015 - August 20-22, 2015 - Syracuse, NY



CRC Thursday Night Welcome Dinner

Aug 20, 2015

5:00 pm till Midnight

246 West Willow St.
Syracuse, NY 13202

A MUST ATTEND EVENT!!!
FUN, ENTERTAINING AND A GREAT TIME TO
SOCIALIZE WITH YOUR FRIENDS.
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Happy Hour
Appetizers and
1 Hour Open Bar!!!
5:00 – 6:00 pm



Live band music till midnight!!!



**YEA and all, are
invited to the Fun!!!**



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Manhattan based HVAC installation & service contractor is looking for a new team member for its' Technical Service Dept.

The candidate should possess the following field experience:

Lead Service Technician with a desire to transition into an office environment

Control Contractor Technician to expand knowledge of piping, duct work, refrigeration circuiting and equipment

HVAC System Engineer

7-10 Yrs. Experience

Key Responsibilities:

Provide Technical Support to Field Project Management Team

Review Project Drawings & Specifications

Create Submittal package of piping details and wiring diagrams for approval

Interface with and confirm accuracy of building automation sub-contractors and drawings

Assist field service technician with equipment commissioning and trouble shooting

Interface with manufacturer's representative

Participate with in-house seminar program

Benefits Package: Medical, 401(k), paid vacation, health and dependent care reimbursement accounts and annual bonus

Please email resume to: jobs@pjmechanical.com

Fax: 212-886-6605

Attn: Vivian

ADE Systems, Inc. is one of the largest HVAC manufacturer's representatives in the New York Metro, Northern New Jersey and Northern Florida area who is seeking **Entry level** and **Experienced individuals** with a technical/engineering background to join our growing team in our Lynbrook, NY office.

Candidates with an interest in the engineering side will provide inside application and technical support to the engineering and architectural community for the HVAC products our company represents as well as provide support for our outside engineering consultant team; Experienced individuals will have the opportunity to join the outside consultant team concentrating in their area of expertise.

Candidates with outside sales interests or experience will have the opportunity to join our sales team either assisting or a part of outside sales calling on mechanical contractors, building owners, and consulting engineers selling the HVAC products our company represents.

Many new products will be added in 2015, especially on the equipment side; if you are experienced in equipment sales it is worth your time to discuss the opportunities.

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AN AD OR BUSINESS CARD LISTING IS A GREAT WAY TO GET YOUR COMPANY'S NAME IN FRONT OF THE HUNDREDS OF LI CHAPTER MEMEBERS, AND TO HELP SUPPORT THE CHAPTER'S ACTIVITIES.

If you would like to place an advertisement in the Long Island Sounder, please contact our Chapter Financial Secretary, Don Kane, PE @ 631-574-4870 or by email at finsec@ashraeli.org for further details. Thank you.

Rates (includes all issues September-June):

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Leonard Van Sicklin
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J. A. Robertson, PE
Mechanical Engineer
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P.O. Box 4982
Richmond, Virginia. 23220
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Kevin Cirincione
President

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