June 2012

THE LONG ISLAND SOUNDER

ASHRAE Long Island Chapter

ASHRAE Long Island Chapter, Region 1...*Founded in 1957* www.ashraeli.org

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

Inside this issue:

President's Message

Hello everyone, and Welcome to the last newsletter of the year! It has been a great year for ASHRAE-LI, with many wonderful lectures, our Holiday Party, a fantastic Field Trip and a very successful Golf Outing. I would like to thank all of the sponsors and participants for making this year's outing a great time, filled with plenty of raffles!

I would also like to thank each of the Board Members and Committee Chairs for a great job this year! It's these few dedicated individuals who make all of the monthly meetings, newsletter and planned events constantly happening. There is behind the scenes coordination and preparation that these members go through on a monthly basis and truly each one did an exceptional job.

One thing that happened this year is Andy Manos has helped the Students of Stony Brook University petition for authorization of a Student Branch. Our chapter will be their Sponsor for this, and it is pretty exciting as they already have over 10 members listed! Another new thing for our chapter will be the First Annual Clam Bake we are having in July. Charlie Lesniak asked if this was something we could make happen, and with help from a few others we found what looks to be a great location. Everyone please sign up, see flier in this newsletter, and help us honor Evans Lizardos in his 50th year as a member of Ashrae!!

Last month's meeting was a great one, because we had 2 speakers and therefore 2 PDH credits. Thank you Steve Friedman and Mark Cambria for all of your time, and great presentation. Steve is the regional Chair person for Refrigeration, and Mark will soon also be taking a regional position within society, so keep your eyes on them as they climb up the ranks.

I guess the last thing I would like to do is welcome Brian Simkins into his new position as President of our chapter. Brian and I have been working hand in hand over the last few years, and I am confident he will be an amazing leader! With Brian at the helm, Andy in charge of programs and all of the other board members who are staying on, I suspect we will have a really great year in 2012-13!

Thank you all for your support and another great year, I look forward to seeing you at the clam bake and next year……

Carolyn Arote,
President - Long Island Chapter

CHAPTER MONTHLY MEETING

DATE:	**Tuesday, June 12, 2012**
TIME:	6:00 PM - Cocktails/Dinner 6:45 PM - Dinner Presentations 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 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	rrosner@csfllc.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@csfllc.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
Chapter Technology Transfer (CTTC)	**Don Kane, P.E.**	631.737.9170	631.737.9171	dkane@csfllc.com
Newsletter Editor	**Liset Cordero**	212.643.9055	212.643.0503	liset.cordero@mgepc.net
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	rrosner@csfllc.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	rchalley@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

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'Rouke
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		

PAOE POINTS FOR 2011/2012

Chapter Members	Membership Promotion	Student Activities	Research Promotion	History	Chapter Operations	CTTC	Chapter PAOE Totals
299	650	645	1,330	250	845	1,150	4,870

Chapter Monthly Meeting - Program for 2011/2012

September 13, 2011 * At Westbury Manor
Dinner Presentation – Cooling Tower Water Treatment Through Non Chemical Technologies
Presenter Leon Shapiro
****1 PDH****

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

Back to Basic Session I *****1 PDH*****

November 15, 2011 * *At Westbury Manor*
Dinner Presentation – NEW 2012 editions of the ICC Family of Codes and the impacts these have on future building design/build/maintenance market.
Presenter: Eli Howard
****1 PDH****

JOINT MEETING WITH SMACNA

Student Activities Night, Membership Promotion, & YEA Night
** Meeting will be held on 3rd Tuesday of the month.*

December 13, 2011
Holiday Party - Westbury Manor

January 10, 2012 * *At Westbury Manor*
Dinner Presentation – Primary/Secondary Vs VPF
Presenter: Roy S. Hubbard, Jr.
****1 PDH****

Back to Basic Session II *****1 PDH*****

January 2012
ASHRAE Winter Meeting
Jan 21-25
Convention Center, Chicago

February 21, 2012 * *At Westbury Manor*
Dinner Presentation- This month's presentation will discuss the proposed changes to LEED BD+C for 2012 as it relates to the design engineer. There have been some significant changes out for public comment which will affect designers. A panel of LEED experts will discuss the most relevant changes.
Moderator: Rudy Holesek
Panelists: Paul M. Meyer, Eric Schlameuss, Eileen Sullivan and Neil Rosen

*** Meeting will be held on 3rd Tuesday of the month.*

JOINT MEETING WITH USGBC ****1 AIA****

Resource Promotion Night / Membership Promotion Night

February 2012
NATIONAL ENGINEERS WEEK
Feb 19 through Feb 25

March 13, 2011 * *At Westbury Manor*
Dinner Presentation--"**Integration & Standard Protocols Update"**
Presenter: Lawrence Uebele, PE, LEED AP
****1 PDH****

YEA Night

Back to Basic Session III *****1 PDH*****

April 10, 2012
ANNUAL FIELD TRIP

North Shore University Hospital
LEED Platinum Katz Women's Hospital
300 Community Drive
Manhasset, NY
Presenter: Neil Rosen AIA, LEED AP

Dinner to follow

May 7th, 2012 * *Cherry Valley Club, Garden City, NY*
ANNUAL GOLF OUTING

May 15th, 2012 * *At Westbury Manor*
Dinner Presentation #1- Refrigeration The Now & Future
Presenter: Steven Friedman, PE *****1 PDH*****

Presentation #2- Engineering Challenges and Sustainable and Solutions in Supermarkets – A Case Study
Presenter: Mark Cambria, PE * ****1 PDH*****

Student Activities Night / Refrigeration Night
** Meeting will be held on 3rd Tuesday of the month.*

June 12, 2011 * *At Westbury Manor*

PAST PRESIDENTS & OFFICER INSTALLATION

August 23-25, 2012
Chapter Regional Conference Region I - Boston, MA

June Program

The Long Island Chapter's Year End Celebration

Past Presidents Night, History Night, Student Scholarship Night

And the Installation of our New Officers

DATE:	**TUESDAY, JUNE 12, 2012**		
Time:	6:00 PM – Cocktails and Hors D'ouevres 7:00 PM – Buffet Dinner	**Fee:**	**NO CHARGE**
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.** - ***Reservations requested but not required. Business attire suggested***		
Presentation:	Please join us for our ASHRAE year-end meeting celebrating our past presidents and new officers. There will be no charge for our chapter members and guests, and we have arranged for a special buffet dinner and open bar for the evening. Our past presidents will be asked to talk a little about their ASHRAE experience during their board years and we suspect there will be some interesting stories. We will be having a Long Island Chapter trivia contest with prizes and our historical archives will be on display. The winners of our student scholarships will be present to receive their awards and we will finish off the evening with the installation of our new officers. Please mark your calendar for this special day and join us for some great conversation and excellent food and spirits compliments of the chapter.		

Research Promotion

I would like to thank all the companies who have participated in the annual 2012 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 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 $2,001,900 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 $17,127. 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 Kevin Beirne
Mr Mordechai Chetrit
Mr Andrew B Dubel
Mr Thomas Fields, PE, LEED AP
Mr Steven D Friedman, PE,HFDP,LEED AP
Mr Michael Gerazounis, PE, LEED AP
Mr Richard Gerber
Mr Carl E Graber, PE
Mr James Hanna
Mr. Don Kane, PE
Mr David Robert Jendras
Mr Donald Kane, PE
Mr Ronald J Kilcarr, PE
Mr David G Kwalbrun
Mr Charles J. Lesniak, PE
Mr John E Lizardos
Mr Leonard Locascio, PE
Mr Andrew E Manos, LEED AP
Mr Frank D Morgigno
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 Anthony J Rosasco, Sr
Mr Raymond Schmitt
Mr Jerome A Silecchia
Mr Brian C Simkins, LEED AP
Mr James R Tauby, PE

COMPANIES

8760 Inc.
Accuspec Inc.
A D E Systems Inc
Air Control Supply
Albert Weiss Air Conditioning Products
Alnik Mechanical Corp
Applied Technologies of NY Inc
ASHRAE Charleston Chapter
Berne & Bob Leventhal Inc
Best Climate Control
Bladykas Engineering P C
Building Cooling Systems
Bush Wholesalers
Captive Aire
Carrier
Catan Equipment Sales
Chimney Design Solutions
Clean Air Company
County Energy Controls
County Fair Air Conditioning Corp
Daikin US Corp.
EMTEC Consultants Professional Eng
Environmental Air Quality
Ferguson Enterprises
Gil-bar Industries
J-Mar Controls
KLIMA NY
Liebert-Emerson Network Power
Lizardos Engineering Associates PC
LPI Controls Inc
Mason East Inc.
Metro Air Products
Miller Proctor Nickolas Inc
Mitsubishi Electric & Electronics USA Inc
MV Controls Inc
PEPCO
Platsky Company
PVI Industries
Rathe Associates
Siemens Building Technologies Inc
SRS Enterprises
Technical Air Systems
Tower Enterprises
Venco Sales Inc.
Wales Darby
Wallace Eannace Associates, Inc

Continued on Pg. 7

Research Promotion (Cont'd. from Page 6)

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

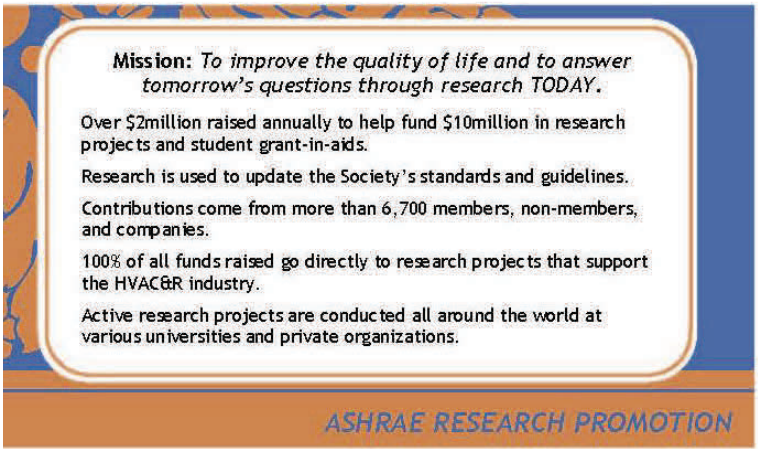
2) You can bring your check to any of the meetings and give it to me. I will mail it into headquarters.

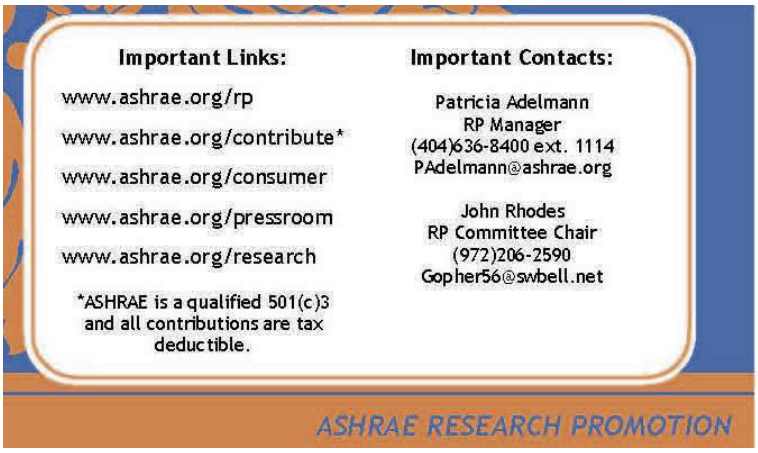
3) You can contribute via paypal from the ASHRAE LONG ISLAND web site just click on the donate button.

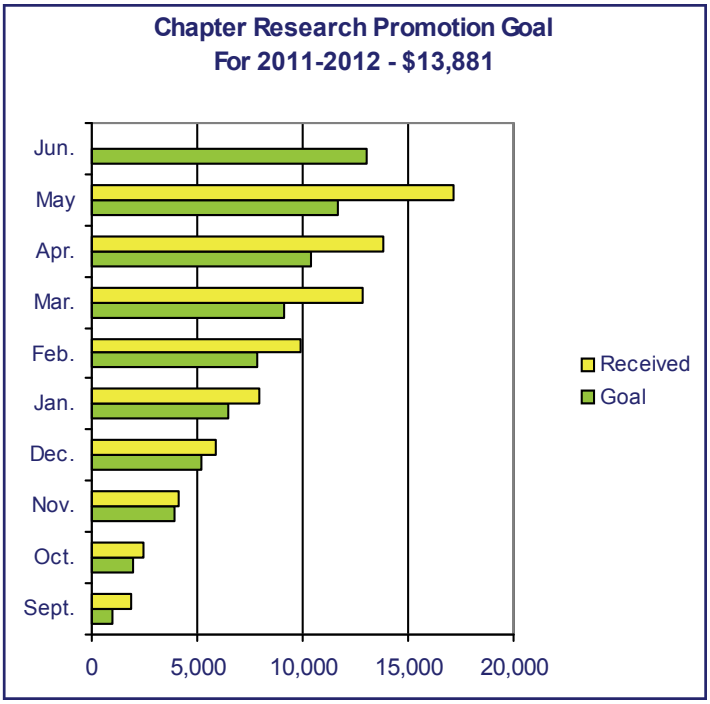
4) You can contribute directly on-line. www.ashrae.org
**** Please make sure your accredit your contribution to the LONG ISLAND CHAPTER 006 ****

Thank you again for all your support!

Andrew Manos, LEED AP
Research Promotion Chair







CTTC - TECHNOLOGY TRANSFER - WHAT'S IT ALL ABOUT - THE YEAR IN REVIEW

Usually in this space each month, we look at either new or different technology (or existing technology applied in new or different ways), used in the design and building of mechanical systems to provide for creature comfort or preservation of goods. We barter BTU's. We convert one BTU form to another, we transfer BTU's from where we don't want them to areas which we do. Sounds simple....not! There are so many facets to this field that it is unlikely that any one person can be expert in all of the technologies and techniques....Enter the Chapter Technology Transfer Committee (CTTC) which, in coordination with the Program Chair, attempts to pique one's curiosity about various topics in the HVAC/R world, some which may be just what you need for a current project or, more likely, something that (while interesting) may not seem to be of use at the time, but will, more often than not, be of use in the future. To make sure that all of the information presented for the past eight months will not fade into the past as we approach our summer hiatus, a brief review of past topics is presented this month.

Cooling Towers We all know what they are and what function they perform, but, among those who have no need to incorporate one into the systems they typically design, hopefully a few walked away from our September installment with a better appreciation for the various types (natural draft, induced draft, forced draft), materials (concrete, wood, metal) and types of filtration needed and used to maintain the towers performing at their design efficiency. Filtration was further broken down by process (full flow vs side stream) and type (Strainer/screen, inertial, disc, diatomaceous earth etc) and the need for backflushing/cleaning. We needed to address things that grow (algae and bacteria) and even had to address the economics of which of the various choices to make. All to move some BTU's from one place to another...

Boiler Sizing and Hybrid Boiler Selection October introduced the idea of optimizing boiler selection. Optimizing is even more important in these days of high fuel costs, and desire to minimize first costs. We found that going strictly by "rules of thumb" and existing "Bin" data, could result in a system which could be operating at a 20-30% performance penalty due to oversizing. With the proper selection of condensing and non-condensing boiler technology, wedded to more functional control and data-acquisition systems (and monitoring instrumentation to measure the actual BTU's… yes...it's still about BTU's moved about the system), we can ensure the building heating needs can be met with minimum over/under shoot. We saw where the proper matching of control and boiler technology could result in both first cost economies as well as operational ones throughout the life of the installation...yes dollars are as important as BTU's sometimes.

Code Changes November brought us a review of the alphabet soup of codes which come to bear on mechanical system installations and design; ICC, IBC, IRC, IMC, IPC and IFC to mention a few. Seismic forces and wind loads were but two of the topics which not so many years back weren't even a major concern. Some of the new codes and revisions to existing codes are the direct result of attempts to reduce energy needs. The move to higher operational efficiencies will involve more control technology, better insulation and duct sealing and coordination with other "free energy" technologies to obtain a fair share of the rooftop "real estate" rapidly being populated with solar collectors (both hydronic and photovoltaic). Knowledge of some of these technologies will be necessary, if only to work safely adjacent to 600V dc solar PV installations sharing the roof with HVAC units. The main theme was to step back and get the "big picture" as to how some of the codes have an effect on the work we do. The discussion of codes, cooperation and inter-discipline coordination was continued in the December posting, which discussed some of the semantical differences between different codes, specifically the IMC and the National Electrical Code with regard to the need for permanent rooftop access and what is or isn't a plenum.

Chiller Optimization It was only fair, the boiler guys had October, so for January, chiller optimization took the limelight. Much of the same concerns expressed for boilers also applies here. The need to accurately identify the size and nature of the loads, realistic projections for "worst case" days to establish maximum capacity, as well as accurate forecasting of the "normal" loading expected, so one could either "rightsize" the chiller plant, or design it so it can be operated economically through a range of loading. Control technology and motor drives also play an important role in these choices. The use of data acquisition and adaptive control technology can be used to great benefit to always have the right amount of capacity available on-line. Refrigerant technology and use of waterside economizers were also mentioned as possible avenues to optimization.

Cooling towers were back in focus, as the need to assess the entire chiller plant from end to end was stressed. Economics also plays a part, to assess whether it is better to upgrade an existing plant or to replace old or aging equipment with newer, more efficient choices; including deciding between Primary, Primary/Secondary and various combinations of fixed and variable implementations of these choices.

Continued on Pg. 9

CTTC (Cont'd. from Page 8)

Green Buildings February found us pondering the ramifications of the drive to have more and more "Green" buildings. Some of the LEED requirements have an obvious effect on, or relationship to the design and installation of mechanical systems, while others which may not, at first glance, appear to be of interest to the HVAC/R community are, in fact, ones which could have a secondary effect on the mechanical system design. Whether it is additional hot water for the bicycle commuters' showers or additional heating (and, hopefully reduced cooling) from the use of more efficient light sources and controls, these requirements must be understood. The mechanical system design will have to be more flexible to accommodate the other building design changes as they evolve. The mechanical systems will also have to be able to support the building comfort needs when other, solar or wind based systems, are not able to function due to lack of sun/ wind.

Controls When speaking of optimizing boilers, chillers and cooling towers, the need for more functional controls was noted. March found us surveying the control protocol landscape to see what it had to offer, and how to tread carefully while evaluating the various control protocols available. The key points were:

- Open *vs* Proprietary Protocol - pros and cons of each were noted, the selection being based on the function requirements of the application.
- Deterministic *vs* Non-deterministic - Each has their strong suit but neither one can guarantee a faster response time.
- Plug and Play - How easy will it be to make all of the bits and pieces communicate and function. Generally, the tradeoff will be more functionality will require additional upfront effort to get all the nodes playing nice. If you can reduce the needed functionality set, you are more likely to find an "out of the box" solution.
- Gateways - If one is looking to achieve inter-protocol functionality, who is going to have the responsibility to develop and maintain the needed gateways? What happens when one or more of the systems makes a change that reduces or impedes communication? These are not showstoppers, but definitely have to be addressed early in the development process.

Perhaps the most important point was to determine if the control system is:

- Only going to control climate control systems
- Is going to be controlled by another, higher level supervisory system
- Is going to control other systems in addition to the climate control system.

This decision largely establishes the direction one will take in selecting the proper control protocol.

Energy Efficiency in Hospital Mechanical Systems April found us looking at what could be done to design a more energy efficient hospital facility. Application of ASHRAE 170-2008 and ASHRAE 90.1-2010 was mentioned, along with some of the constraints unique to health care facility design, especially with regard to use of outside air, air quality, prevention of contagion and concerns that the climate control system should not be intrusive in the patient care area (during operation or serving). This requires selection of technology which will result in low noise levels and configurations to minimize the need to enter the patient care area to service the equipment. To see how this was put into practice, the Annual Field Trip took us to the North Shore University Katz Women's Hospital in Manhasset (a LEED Platinum facility), where we were able to see the configuration chosen, using a central duct with VAV controlled takeoffs for each of the patient care areas. Most service functions can be accomplished within the mechanical "penthouse", without accessing patient care areas.

Refrigeration Finally, our retrospective tour ends with refrigeration, especially as utilized in the retail food industry. Methods of achieving higher efficiency in commercial refrigeration applications were noted, including; use of air curtains to prevent loss of conditioned air and to minimize infiltration of unconditioned air, humidification to reduce the latent cooling load, coordination with other technologies (daylighting, proximity actuated display lighting) as well as types of packaging and display of products. Various refrigerants and technologies were noted, including several that may have promise but are probably not "ready for prime time" in North America, just yet.

So there we have it, the entire ASHRAE-LI CTTC season in a nutshell. A lot of technical ground covered, albeit very superficially; enough, it is hoped, to have spurred an interest in delving further into one or more of these topics through the course of the year.

Don Kane, P.E.
CTTC

Young Engineers in ASHRAE (YEA)

Well this past year has been amazing, fun and interesting. We started the YEA chair two years ago after attending the CRC (Chapter's Regional Conference). I'm glad we started a YEA chair at our chapter because of what ideals YEA is about and it's a great instrument to try and reach out to the younger engineers. Our Back to Basic sessions have been going really well, and I look forward to attending them next year. As always, we are looking for topics and presenters. If you have an interest in a topic and would like to have a Back to Basics presentation, please Email Brian Simkins.

All in all it has been a very productive year. We've had 3 Back to Basic presentations; we've had two YEA nights and handed out ASHRAE Books. I've attended the CRC and attended the YEA Leadership Weekend. Through YEA I've met with a bunch of good engineers and it's been a great experience for me. The National Society will be starting to hold more events for YEA. After this year I will be passing the torch for YEA and I look forward to seeing it prosper in the future.

Charlie Lesniak
YEA Chairman

Membership

This was my first year serving as the membership chair. I've had a great year and I look forward to doing it again next year. I thank Rich Haley for all his help this past year. We've had two good membership promotion nights. I can't wait for the clam bake in July; I hope to see everyone there. Please RSVP to me by the end of this month if you would like to attend, and contact Andy Manos for sponsorship opportunities. We will be sending out a separate flyer to everyone soon. Remember you can bring non-ASHRAE members to this event (wives, friends, colleagues).

As you know, please visit the ASHRAE website to check the status of your membership. We are always looking for new members. I would like to say hello and thank you to all our new members from this year.

Charlie Lesniak
Membership Chairman

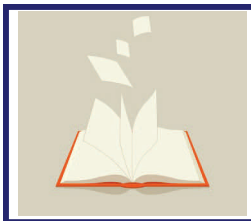
Student Activities

School is finally out! Students who are moving out of their dorms should be sure to update our mailing address for you. This can be done by logging onto ASHRAE.org. If you are losing your school email address, be sure to update that also.

We would like to congratulate our 2012 student scholarship winners, Gregory Mueller won a $1000 scholarship and Analiz Valderrama won a 500 dollar scholarship. Our winners are undergraduates from SUNY Sony Brook and Hofstra respectively. All winners and their parents are invited to attend our June meeting where awards will be presented. Thank you to all the candidates who applied.

Have a great summer and we hope to see you in the fall.

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.

History

An Interview with Nancy Román ASHRAE Long Island Chapter President 2010-11:

Hello all and best wishes for a great summer! It is hard to believe another ASHRAE year is ending. When I look back on what I had planned to do as history chair I am not pleased with how little was accomplished. I will give myself a good talking to. It is however with great delight that I bring to you, this month, an interview of Nancy Román our immediate past president.

Nancy has the distinction of being the Long Island Chapter's first female president since its formation in 1958. Nancy told me she was born in NY, NY where her parents had three children with her being the middle one between two boys older and younger than her with a large age difference between them. Influenced by her older brother, studying nuclear physics, she learned at age four that $E=MC^2$. "The rest was all relative", she jokes.

Growing up in Queens she attended Townsend Harris H.S. which at the time was a small specialized charter school for the humanities based on a classically trained education where a minimum grade point average of 90% was required of all applicants to be considered for admission. During her time there she realized that while learning the classical languages, foreign languages, social studies and arts was fun, she really excelled in math and science. Along with a little nudge from her family, she went on to attend SUNY at Stony Brook where she completed her degree, B.E. in Mechanical Engineering. "During my last year there I realized I needed not only some money for the summer but an edge to get into the engineering field. I got an internship with Quinn & Feiner in Glen Cove and after I graduated continued on with them for two years." She was taught the fundamentals and gained field experience by working alongside some really great people who were willing to teach her what they knew. This is what we all should aspire to. The practical side of being involved in a project on site from beginning to end really brought it all together for Nancy. "I don't know if they knew, but everyone I came in contact there became my mentor and I am grateful for their time."

Nancy moved onto sales at ADE Systems, Inc. where she has been for 12 ½ years now. She is part of an engineering team there concentrating on airside products where they assist NY and NJ consulting engineering firms with application and design questions and specifications. In working closely with the engineers she has been exposed to all types of projects where each one has been a great learning experience.

At the time when she first started, there were not many women in the industry but she has seen that change today with more and more engineering offices having young women engineers entering the business on their staff.

Nancy says when she first started the fax machine was king and there was time to do things. With the explosion of the internet, email, smart phones, Ipads and interactive industry software, Nancy claims now to have all the technical information needed in her back pocket or purse. "With the swipe of a screen you have access to all information ASHRAE has to offer." "This all at the expense of time becoming a luxury in the fast paced industry we are in today."

Since coming from a sales background, naturally networking is key, Nancy says. With that in mind she attended a few different local chapter's meetings. In 2002 she received a phone call from Past President Steve Friedman asking her to join the Long Island Chapter of ASHRAE and so she did. Wanting to help out, she started at the reception desk, moved onto webmaster, historian and programs completing each officer position and becoming Chapter President in 2010.

Continued on Pg. 12

History (Cont'd. from Page 11)

"I found our group to be unique in that we have a good mix contractors, engineers and salespeople from Long Island and NYC." Here she not only became part of a networking opportunity but made friends along the way and was part of something larger, a chance to give back, in a sense. Nancy feels that ASHRAE supports our industry in creating a forum where information is exchanged anywhere from the cocktail hour conversations, where design discussions develop into drawings on napkins, to the technical seminars given by our industry leaders, offering current information on technology and industry issues we all face. ASHRAE has also been a place of opportunity in times of economic downtimes, she notes.

"ASHRAE standards have guided us to build high performance systems embracing comfort and safety. Together with LEED, they are moving in the same direction with a common goal to increase efficiency, save energy and to respect the environment."

Nancy suggests that any young engineer immerse themselves not only in theory but also in hands on practical field experience. Finding a mentor, joining ASHRAE as a support network, getting to know different people and learn that there are so many opportunities at different levels within this industry is all important as per Nancy. ASHRAE has recently created YEA which is geared towards engineers 35 and younger to help them through the early years. Nancy says, "Take advantage of it!"

In Nancy's spare time she enjoys traveling around the world and the arts. She says many humorous events have taken place during her association with ASHRAE but unfortunately is not at liberty to share. "What happens at the CRC stays at the CRC!", she says.

I recently had the pleasure of playing golf with Nancy at the ASHRAE LI Golf outing. Having worked with Nancy on the ASHRAE board for the last few years I can say we all have been very lucky to have her as part of our chapter and even luckier to have had her as our president. Thank you for the interview and the hard work Nancy!

Richard L. Rosner, P.E.
ASHRAE History Chairman

ASHRAE™
Long Island
Chapter

ASHRAE Long Island - First Annual Clam Bake - July 12, 2012

ASHRAE LONG ISLAND
FIRST ANNUAL CLAM BAKE

Join your ASHRAE friends to applaud Evans as he celebrates 50 years of dedication and support to ASHRAE

Evans Lizardos Celebrates 50 Years of Service

July 12

RAIN or SHINE

6pm to 9pm

Babylon Fish and Clam

458 Fire Island Avenue | Babylon

$50.00 per person

RSVP by June 30 to
Charlie Lesniak
516.484.1020 x295
Charles.Lesniak@leapc.com

Sponsorship Opportunities available
Contact: Andrew Manos – 631.632.2791
andym22@optonline.net

Name:	Telephone Number:
Company:	Email:
Number of Tickets:	Amount Enclosed:

Please send Payment to: Charlie Lesniak | Lizardos Engineering | 200 Old Country Road – Suite 670 | Mineola NY 11501
Make checks payable to: ASHRAE Long Island

Available Fellowship Positions - Memo from Mark Wills

Attn. ASHRAE Members:

ASHRAE is sponsoring a 12- to 18-month fellowship program with placement at the Department of Energy in the Office of Building Technologies, Building Energy Codes Program in Washington, DC. This fellowship provides the traditional ASHRAE Member with exposure to the area of public policy. This assignment will enable a selected ASHRAE member to assist DOE in one of the following code deployment activities:

- Code Compliance;
- Residential Duct Test Training;
- Assessment of the Impact of Updating State Energy Codes; or
- Advanced Energy Code Training.

Federal government fellowships provide a valuable public service to the nation while, at the same time, providing engineers and scientists with a unique opportunity to participate directly in the policy-making process. This is an exciting, rewarding, and educational period in their professional careers. This enriching experience enables ASHRAE/DOE Fellows to bring back to their employers an insider's perspective on government decision-making that can contribute significantly to the mission and vision of the organization.

If you know of any members in your regions and/or chapters who might be a good fit for this opportunity, please have them contact Doug Read, our Director of Government Affairs, at their earliest convenience.

A few additional points to stress to your members, should they be interested:

- **The fellowship requires living in or around Washington, DC for a period of 12 months, with the possibility of an extension for a second year.**
- **The fellowship will require reporting to DOE offices on a daily basis (i.e., a 40-hour work week).**
- **The individual selected must be a U.S. citizen.**
- **A stipend of $74,872 gross (i.e., before taxes, etc.) will be provided by DOE.**
- **Health insurance reimbursement will be provided by DOE up to $500 per month, with any monthly costs over that being paid for by the fellow.**
- **Ideal candidates will have a technical background, with 3-10 years experience in the building industry, as this is an early career development opportunity.**
- **The fellowship can begin as soon as a suitable candidate is selected by DOE.**

Hopefully, this will provide some clarity to those of your colleagues who may be intrigued by the opportunity.

If you or your members want to submit a résumé and a letter of interest for further consideration, please contact/have them contact Doug Read.

Regards,
Mark Wills

ASHRAE HVAC Design Workshops

ASHRAE's HVAC Design Workshops

Take **both** Workshops & **SAVE!**

HVAC Design: Level I—Essentials

ASHRAE created the HVAC Design: Level I — Essentials workshop to provide intensive, practical training for HVAC designers and others involved in the delivery of HVAC services. Developed by industry-leading professionals, this workshop presents fundamental, and technical information related to HVAC design in commercial buildings.

In three days, you will gain practical skills and knowledge in designing, installing and maintaining HVAC systems that can be put to immediate use. The workshop provides real-world examples of HVAC systems, including calculations of heating and cooling loads, ventilation and diffuser selection, using the newly renovated ASHRAE Headquarters building as a living lab. Engineered drawings of the Headquarters renovations will be incorporated to expose you to plan reading and graphical understanding of system design.

Workshop Topics:

- Fundamentals
- Heating/Cooling Load Calculation
- System Selections
- Common System and Components
- Cooling System
- Basic Design of Hydronic Systems
- Basic Design of Air Systems
- BAS Control
- Sustainable Design
- Project Management and Other Skills
- Introduction to Technical Sales

HVAC Design: Level I — Essentials

When: May 21-23, 2012
Where:
ASHRAE Headquarters, Foundation Learning Center, Atlanta, GA
Cost: $1,239 (ASHRAE Member: $989)

Who Should Attend:

- Engineers who are new to the HVAC industry
- Facilities managers who work in new construction or major renovation projects
- Technicians who would like to gain design knowledge

Visit www.ashrae.org to Register

ASHRAE HVAC Design Workshops

HVAC Design: Level II—Applications

ASHRAE's HVAC Design: Level II — Applications workshop provides participants with advanced instruction on HVAC system designs for experienced HVAC designers or those who completed the HVAC Design: Level I — Essentials workshop.

Developed by industry-leading professionals, the workshop provides participants with advanced level information about designing, installing and maintaining HVAC systems that can be put to immediate use. Participants will gain an in-depth look into Standards 55, 62.1, 90.1, 189.1 and the Advanced Energy Design Guides, as well as a range of other HVAC topics.

Workshop Topics:

- Sustainability/Green Buildings/LEED®/HPB/NZEB
- Buliding Systems—Education Facility
- HVAC Systems
- Building Systems—Chiller/Broiler, Air Handlers, VAV Terminals
- Dedicated Outdoor Air Systems
- Building Systems—Multi-story office buildings
- Energy modeling/Life Cycle Cost

Take **both** Workshops & **SAVE!**

HVAC Design: Level II — Applications

When: May 24-25, 2012
Where:
ASHRAE Headquarters, Foundation Learning Center, Atlanta, GA
Cost: $829 (ASHRAE Member: $679)

Who Should Attend:

- Engineers who have HVAC design experience
- Participants who attended HVAC Design: Level I — Essentials
- Architects who want an in-depth understanding of HVAC design
- Construction project managers who work with mechanical systems

Your Instructors

Julia Keen, Ph.D, P.E., ASHRAE Member, HBDP

Joel Primeau, P.Eng, ASHRAE Member, HBDP, LEED AP

Visit www.ashrae.org to Register

ADVERTISEMENTS

ADVERTISEMENTS

If you would like to place an advertisement in The Long Island Sounder please contact our Chapter Treasurer, Mr. Tom Fields @ 212.643.9055 or via email thomas.fields@mgepc.net for further details. Thank you.

New Advertising Rates:

Business Card	***$200***
Triple Size	***$350***
Half Page	***$500***
Full Page	***$800***