



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

Inside this issue:

President's Message	1
Meeting Information	1
LI Chapter Officers	2
YEA	3
LI Past Presidents	3
PAOE	3
Meeting Schedule	4
BOG Minutes	5
May Program	6
Research Promotion	7
CTTC	8,9
Student Activities	9
Membership	10
Remembering Leon Taub	10
History	11,12
April Field Trip Photos	13
LI Building & Facility	
Maintenance Show	14,15
Ashrae Fishing Trip	16
Ashrae Annual Conference	17,18
Advertisements	19,20

President's Message

Thank you Don Kane for helping set up the Sysco distributed warehouse factory tour. It was a very impressive facility that used some great technologies to make it efficient and safe working environment. Not every day you get to see hydrogen fuel cells in operation. We also had the local chapter of Refrigeration Service Engineers Society (RSES) join us for this tour, it was great to meet some new people that are working in our industry.



It is interesting to note that the refrigeration plant was using Ammonia that has been in use for a long time and leads well into this month's presentation. We are fortunate to have an ASHRAE Distinguished Lecturer visiting us, Professor Eckhard A. Groll, Dr. Eng. He will be presenting on Refrigerants, Past, Present and Future. We have come a long way regarding refrigerants and phasing out CFC and I look forward to hearing more about this topic.

I know a lot of you will be attending our annual golf outing this month it is a great event and always a good time. It is also a great networking opportunity so I hope you get to take advantage of this event. It is an important event for the chapter as we can generate some funds and we are able to support our Research Promotion goal for society. I look forward to seeing you there.

CHAPTER MONTHLY MEETING

DATE:	Tuesday, May 14, 2013
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.

Don't forget to visit the ASHRAE web page for updates on events and activities. There is a lot of great information available from meeting announcements, career opportunities, and updates on standards. If you are interested in getting involved on a local level please speak to one of our board members we are always looking for help and welcome any comments or questions.

I look forward to seeing you at the next meeting and thank you for your continued support.

Brian Simkins, LEED AP
President - Long Island Chapter

Long Island Chapter Officers & Committees

ASHRAE 2012/2013 OFFICERS

POSITION	NAME	PHONE	FAX	EMAIL
President	Brian Simkins, LEED AP	203.261.8100	203.261.1981	bsimkins@accuspecinc.com
President-Elect	Andrew Manos, LEED AP	631.632.2791	631.632.1473	andym22@optonline.net
Vice President	Richard Rosner, P.E.	631.737.9170	631.737.9171	rrosner@csfllc.com
Financial Secretary	Thomas Fields, P.E., LEED AP	212.643.9055	212.643.0503	thomas.fields@mgepc.net
Treasurer	Charles Lesniak, P.E	516.484.1020	516.484.0926	charles.lesniak@leapc.com
Secretary	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	Richard Halley	718.269.3809	718.269.3725	rchalley@trane.com
Board of Governors	Carolyn Arote	516.568.6550	516.568.6575	carote@adehvac.com

ASHRAE 2012/2013 COMMITTEES

COMMITTEE	NAME	PHONE	FAX	EMAIL
Programs & Special Events	Andrew Manos, LEED AP	631.632.2791	631.632.1473	andym22@optonline.net
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	Richard Rosner, P.E.	631.737.9170	631.737.9171	rrosner@csfllc.com
Historian	Thomas Fields, P.E., LEED AP	212.643.9055	212.643.0503	thomas.fields@mgepc.net
Student Activities	Richard Halley	718.269.3809	718.269.3725	rchalley@trane.com
Young Engineers in Training	Andrew B. Dubel, P.E.	212.967.7651	212.967.7654	andrew.dubel@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	Lee Feigenbaum, LEED AP BD+C	212.243.2555		lfeigenbaum@pjmechanical.com
PR & Engineering Joint Council of LI	Brian Simkins, LEED AP	203.261.8100	203.261.1981	bsimkins@accuspecinc.com
Golf Outing	Peter Gerazounis, P.E., LEED AP Steven Friedman, P.E., HFDP, LEED AP	212.643.9055 212.354.5656	212.643.0503 212.354.5668	peter.gerazounis@mgepc.net sfriedman@akfgroup.com

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Young Engineers in ASHRAE (YEA)

Last month Lee Feigenbaum attended the ASHRAE leadership weekend in Vancouver (Photo attached). Check out the ASHRAE YEA Facebook page for more photos and information. The next leadership weekend will be announced there. Scholarships may be available from Region 1. If any ASHRAE LI YEA member is interested in going, come discuss it with the BOG. Myself, Charlie, and Lee have all gone and would be happy to talk to any perspective attendees.

Are you interested getting involved in an ASHRAE Technical Committee (TC)? TC are the heart of ASHRAE's technical efforts and help determine the future of our industry. Find out how to get involved here: <https://www.ashrae.org/File%20Library/docLib/YEA/YEA-TC-Guide-2012.pdf>.

Have you liked ASHRAE YEA on Facebook yet? Take a look at <http://www.facebook.com/ashraeYEA>.

ASHRAE can be found at <http://www.facebook.com/ASHRAEupdates>. They can also be followed on twitter at <https://mobile.twitter.com/ashraenews>

Andrew B. Dubel, P.E.
YEA Chairman

Long Island Chapter - Past Presidents

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



PAOE POINTS FOR 2012/2013

Chapter Members	Membership Promotion	Student Activities	Research Promotion	History	Chapter Operations	CTTC	Chapter PAOE Totals
301	350	560	1,035	400	900	1,275	4,520

Chapter Monthly Meeting - Program for 2012/2013

September 11, 2012 * At Westbury Manor  Dinner Presentation – International Building Code Requirements for Design & Installation of HVAC&R Components from the Effects of Wind, Seismic, Snow & Flood Loads! Presenter: Richard Berger **1 PDH**	February 2013  NATIONAL ENGINEERS WEEK Feb 17 through Feb 23
October 9, 2012 * At Westbury Manor  Dinner Presentation—ASHRAE 52.2, Testing Air Filters on Particle Size versus Efficiency Presenter: Danja McMillan **1 PDH** Resource Promotion Night <i>Back to Basic Session I - Fundamentals of Pumping System Design</i> **1 PDH**	March 12, 2013 * At Westbury Manor  Dinner Presentation—Condensing Boilers Designs and Applications Presenter: Ian Rowburrey **1 PDH** YEA Night <i>Back to Basic Session III - The Rise of Variable Flow Primary and Fall of Primary/Secondary/Tertiary Pumping Systems</i> **1 PDH**
November 13, 2012 * At Westbury Manor  Dinner Presentation-- HVAC Air Duct Leakage Testing and Testing Methodology Presenter: Lee Feigenbaum, LEED AP BD+C **1 PDH** JOINT MEETING WITH SMACNA Student Activities Night, Membership Promotion, & YEA Night	April 9, 2013 ANNUAL FIELD TRIP  Sysco Long Island 199 Lowell Avenue Central Islip, NY 11722 400,000 sq. ft. Food Distributor including 88,000 sq. ft. of Freezer, Ammonia Refrigeration Plant and Hydrogen Fueled Fork Lift Trucks (Indoor Air Quality) Dinner to follow
December 11, 2012  Holiday Party - Westbury Manor	May 6th, 2013 * Cherry Valley Club, Garden City, NY ANNUAL GOLF OUTING 
January 8, 2013 * At Westbury Manor  Dinner Presentation—Dispute Resolution such as Mediation, Arbitration and Litigation, the pros and cons of each and what to expect Presenter: Michael D. Ganz, Esq. **1 PDH** <i>Back to Basic Session II - Design and Analysis of Pumping System Design</i> **1 PDH**	May 14th, 2013 * At Westbury Manor Dinner Presentation—Update on Refrigerants: Past, Present and Future Presenter: Eckhard A. Groll, Dr. Eng. ASHRAE DISTINGUISHED LECTURER **1 PDH** Student Activities Night Refrigeration Night
January 2013  ASHRAE Winter Meeting Jan 28-30 Convention Center, Dallas	June 11, 2013 * At Westbury Manor PAST PRESIDENTS & OFFICER INSTALLATION
February 12, 2013 * At Westbury Manor  Dinner Presentation—Introduction to BEQ Labeling Program Presenter: T. David Underwood P. Eng Joint Meeting with USGBC Resource Promotion Night Membership Promotion Night **1 AIA**	

Board of Governors Meeting Minutes

Attendees: Brian Simkins-President; Andy Manos – President Elect; Rich Rosner - V. Pres; Tom Fields – Financial Secretary; Charles Lesniak –Treasurer; Don Kane – Secretary;

The meeting was called to order at 4:30 pm by Brian Simkins – President, at Sysco, LI (site of Annual LI Chapter Field Trip)

Secretary Don Kane noted that there were no corrections or additions to the minutes, as published in the Sounder.

President Brian Simkins reminded all to review MBOs and inform him of status. He noted that Andy Manos would be attending President-Elect training the coming weekend. Brian mentioned that Lee Feigenbaum attended the YEA conference last weekend and had written an excellent summary of his experience. The Region 1 CRC is to take place August 15-August 17 this year, in Burlington, Vt. A membership promotion training session is coming up, to be held in Denver, CO.

President-Elect/Programs Andy Manos will look into obtaining corporate sponsorship for the May cocktail hour.

Chapter Technology Transfer Don Kane will follow up with the Distinguished Lecturer for our May meeting (History of Refrigerants) to coordinate his travel plans. The presentation/tour for tonight's meeting is approved for 1 PDH.

Treasurer Charlie Lesniak reported that we presently have \$6,644.41 in our account. He noted that Mitch Castell donated his winnings from the 50/50 drawing to the Chapter.

History Tom Fields will arrange for an interview with a past president for next month's *Sounder*.

Research Promotion Rich Rosner reported that that RP has received \$11,290. An additional \$5,250 is due from the directory, which will put us over our goal amount.

Membership Promotion Charlie Lesniak noted there were 3 new members. He was asked to coordinate with Student Activities to inform graduating student members to notify the Chapter of email address changes so Liset's email list can be kept current.

Student Activities Brian Simkins reported for Rich Halley that there are two new student members. The scholarship announcement went out and submissions are due back by May 1. These will be reviewed and judged at the May BOG meeting, and scholarships awarded at the June general meeting.

YEA Brian Simkins noted that Lee Feigenbaum had attended the YEA Leadership Retreat and had written a very good summary of the experience. This write-up should be in next month's *Sounder*. Andy Manos noted that details of the Chapter Fishing trip are being worked out.

Webmaster Tom Fields and Rich Rosner are working on getting the site up-to-date.

Golf The Golf Outing is scheduled for May 6th at Cherry Valley.

Old Business None

New Business Charlie Lesniak will check on the earliest available date in September at the site in East Atlantic Beach for a clam bake. We should put a "save this date" notice in the next *Sounder*, to members can include this on their calendar.

Time/Place of next BOG Meeting– May 14, 2013, Westbury Manor.

The meeting was adjourned at 5:00pm

Respectfully submitted

Donald W. Kane, PE
Chapter Secretary

May Program



Dinner Presentation

“Update on Refrigerants: Past, Present and Future”

Presented by

Dr. Eckhard A. Groll

Professor, Purdue University

ASHRAE DISTINGUISHED LECTURER

**Attendees
Will Earn
1 PDH!**

DATE:	TUESDAY, MAY 14, 2013		
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:	This month's presentation will provide an overview of the development of refrigerants, the effects of environmental regulation on refrigerant choices, possible future refrigerant choices and changes required in equipment design to accommodate these materials. Attendees will receive 1 PDH.		
About our Speaker:	Dr. Eckhard A. Groll is a Professor of Mechanical Engineering and the Director of the Office of Professional Practice at Purdue University. He joined Purdue University as an Assistant Professor in 1994 and was promoted to Associate Professor in 2000 and to Full Professor in 2005. He received his Diploma in Mechanical Engineering from the University of the Ruhr in Bochum, Germany, in 1989 and a Doctorate in Mechanical Engineering from the University of Hannover, Germany, in 1994. Professor Groll teaches Thermodynamics and his research focuses on the fundamental thermal sciences as applied to advanced HVAC&R systems, components, and their working fluids. Since joining Purdue, he has been the principal investigator (PI) or Co-PI on 81 research grants and 42 educational grants with a total budget of approximately \$9 million. Dr. Groll has authored or co-authored 75 archival journal articles and 129 conference papers. He has been the co-author of two handbook chapters and the editor or co-editor of seven conference proceedings. He has given 47 invited lectures/invited seminars and four keynote lectures. He serves as the Regional Editor for the Americas for the International Journal of Refrigeration and is a Fellow of the American Society of Heating, Refrigerating, and Air Conditioning Engineers (ASHRAE). Dr. Groll has been recognized for his academic leadership in higher education. He is a 2010-2011 Fellow of the American Council on Education (ACE) and participated in the Academic Leadership Program of the Committee on Institutional Collaboration (CIC-ALP) during 2009-2010. He has received numerous awards for his research and teaching excellence including the 2010 E. K. Campbell Award from ASHRAE, his induction into the Book of Great Teachers at Purdue University in 2008, and the 2007 Purdue University Faculty Scholar Award.		

Research Promotion

I am happy to report we will have the 2013 Product Directories at this May meeting for pickup by our members. Remember to pick up this great reference when you come to the meeting. We would also like you to please tell our generous advertisers when you use their services that you saw them listed in the Long Island Chapters Product Directory. Thanks again to those who have supported the Product Directory. As soon as we master how to do it, the Product Directory will appear online at <http://ashraeli.org/productdirectory.html>.

Of the \$14,681 or more we are expected to raise this year I am happy to say we are getting close and now have collected \$12,640 to date. I have been reminded again that all monies for this year have to be at national by June 28th. If the monies have to go through me first, like for the directory payment, they must be to me even earlier. That's not a lot of time, leaving us just over a month to wrap things up. This is a busy time of the year also for most, so don't put off getting those funds out today while you are thinking about it. There is still \$4,500 outstanding for Directory ads and if you haven't had a chance to pay yet please send in your payment now. I am sending out a reminder today.

The board is looking for your company to have a product showcase during the cocktail hour at our meetings. This is a fund raiser for the group and a wonderful way for you to introduce your products. Why not consider having a showcase, just let me or any board member know and we will set it up.

CONTRIBUTIONS CAN BE MADE IN THE FOLLOWING WAYS:

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

Richard L. Rosner, P.E.
ASHRAE Research Promotion Chair
c/o Nassau Suffolk Engineering & Architecture, PLLC
801 Motor Pkway, Suite 103
Hauppauge, NY 11788

- 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 your support!

Richard L. Rosner, P.E.
Research Promotion Chair



CTTC - CRYOGENIC REFRIGERATION...ANOTHER (ICY) BLAST FROM THE PAST

Those who attended the Chapter's annual field trip last month, to Sysco LI (in Central Islip) got a chance see a modern refrigeration installation which utilized a refrigerant with a 150 year or more history. At our next Chapter meeting, ASHRAE Distinguished Lecturer Eckhard Groll will provide an illustrated tour through the history of refrigerants, starting with blocks of ice and progressing through the present and, perhaps offer some vision into the future. This refrigeration business never ceases to be interesting. We spend time and money developing replacements for ammonia refrigerant, yet, 150 years after it was first used, we are still using it. Not because of tradition, but because it has the requisite qualities and economics to endure. Similarly, while we no longer cut up chunks of ice from the lake in the winter and store it, surrounded by straw and excelsior, for use in keeping our food from spoiling, there has been no shortage of thermal storage systems installed in the last few years which alternately freeze water into ice and then thaw it to provide cooling (... "I freeze it up.....I melt it down"). So, one might ask, what is the next technological U-turn to be taken by the HVAC community? And why do we seem to pass by viable solutions, only to return to them later on down the line?

To answer the last question first, one must realize that many technically sound ideas are not practical until the hardware to support it is developed or improved. Sometimes economics is the deciding factor, while other times it is the onus of regulation and enforced compliance. This brings us to this month's topic....cryogenic refrigeration. The term conjures up, in many (most?) people, visions of pods of people, held in suspended animation for future awakening, perhaps when medical knowledge is more able to deal with various afflictions. Unfortunately (or maybe fortunately) that is not our topic for today. We are concerned with a much more basic and necessary function...putting food on our tables. As noted above, those who went to the Chapter Field Trip saw, first hand, the technology employed to maintain food at the correct temperature while in storage and preparation for distribution. However, all of this would be of no use if the food did not arrive at the distribution facility fit for consumption and, subsequently at its intended point of use in like condition. How does one move food from point to point while maintaining it at the correct temperature to ensure maintaining a level of safety and quality? Traditionally, refrigerated trucks and trailers, utilizing self-contained refrigeration equipment powered by a diesel fueled internal combustion engine are used. While these work-horse refrigeration units have amassed an enviable record of reliability, their use is not without some negatives, including audible noise, cost of fuel and environmental concerns. When parked at the terminal destination, which is frequently in close proximity to residential areas, the aggregate sound from the refrigeration units of several trailers can become intrusive. At the same time, increasingly stringent emission limits (especially NOx and particulate matter) for diesel engines are resulting in higher costs for equipment as well as higher operating costs, due to secondary exhaust treatment and the need for low sulfur oil. Increased fuel usage, coupled with increasing fuel costs added to the cost to provide better noise attenuation and environmental compliance may finally be pushing the refrigeration pendulum back to cryogenic refrigeration in North America.

While, in recent years, public announcement from several suppliers would imply a new technology, cryogenic cooling for food transport had been around since the 1960's. These systems can be further categorized by the cooling medium used, Liquefied Carbon Dioxide, CO₂ (R-744) or liquid Nitrogen, N₂ (R-728). With CO₂ coming under fire from environmentalists, many do not consider it the benign material it was once thought to be (notwithstanding the large quantities of this gas expelled every time we breathe). So it seems that rising fuel costs, tighter environmental restrictions and concerns over excessive noise may have brought us back to the 40-50 year old technology of cryogenic, liquid nitrogen refrigeration. Cryogenic liquid nitrogen systems are categorized as total-loss systems. A double wall, insulated storage tank is charged with a supply of liquid nitrogen sufficient to get the trailer load from point A to point B and it is released, either in a direct or indirect system to cool down the perishable contents of the trailer.

In a direct system, the liquid nitrogen is metered directly into the compartment containing the perishable load, to quickly pull the temperature down to the required level. With current controls, the nitrogen flow can be controlled to maintain a set temperature, or, in the case of a trailer with an intermediate sealed partition, can maintain two distinct temperature zones (for example, one for frozen food and the other for produce). The process is inherently quiet as there are no moving parts which lends itself well to locations where noise is a sensitive issue. As the nitrogen, in a direct system, displaces the air within the compartment, it tends to retard spoilage of many food items which are subject to oxidation. Such systems typically exhibit better pull-down capacity than mechanical systems while providing, generally, a more even temperature distribution within the temperature controlled compartment. The displacement of the oxygen containing air within the compartment, while promoting longer food life, would obviously do just the opposite for humans...who would asphyxiate, due to lack of oxygen. Early iterations of this technology relied upon good sense and awareness to avoid this issue. Newer systems incorporate oxygen sensing devices and mechanical interlocking systems, to prohibit entry into the compartments until sufficiently vented to provide a breathable atmosphere.

CTTC (Cont'd. from Page 8)

The so-called indirect systems also use liquid nitrogen, but rather than dispersing it directly into the trailer compartment, contains it within a heat exchanger so the breathable atmosphere may be maintained at all times. While this eliminates the need for sensors and interlocks, it creates the need for fans and negates some of the benefit of more even temperature distribution as circulating air currents through the heat exchanger are relied upon to cool the cargo.

As both direct and indirect systems are total-loss systems it is necessary to replenish the supply of liquid nitrogen. The size of tanks available limits the system operation to between approximately eight (8) to twelve (12) hours of operation. In the indirect system, once the nitrogen has passed through the heat exchanger, it is dispersed outside the trailer or container. As nitrogen is not a "green house gas" fugitive emissions is not an issue. No solution is perfect, and liquid nitrogen cryogenic cooling is no exception. What then are some of the down sides?

As noted above, if a direct system is used, to obtain the benefit of better temperature distribution and quickest pull-down, some means is needed to prevent entry into the oxygen deprived atmosphere until sufficiently vented. While the direct system is the simplest in configuration, the addition of sensing and protective hardware can increase complexity as well as the cost of procurement and operation. The indirect system eliminates the health hazard (asphyxiation) but adds fans and reduces the efficacy of the cooling process.

Both systems require a supply of liquid nitrogen. In the US, this is generally obtained by liquefaction of air. In many cases, the nitrogen is a 'by-product' of Oxygen and Argon "production". This liquefaction process does require energy, most times in the form of electricity generated by burning a fossil fuel, thus negating some of the environmental benefits. In some countries (notably Russia) there are underground gas reserves, rich in nitrogen, resulting in better economic recovery possibilities.

As nitrogen is relatively inert, flammability is not a concern. However, "freeze-burn" is always a consideration when handling cryogenic liquids and proper safety gear is required, especially gloves that are not so tight as to prevent rapid removal if saturated with liquid nitrogen. Actual pressure in typical storage tanks is one bar or less, eliminating the need for high pressure equipment.

Are we on the verge of a liquid nitrogen, cryogenic cooling renaissance? Only time will tell if the economics and environmental constraints result in a second-chance for this mature technology. Or, maybe it will all be supplanted by Stirling heat engine driven pulse-tube refrigeration....but that is a topic for another article.

Don Kane, P.E.
CTTC Chair

Student Activities

Schools Almost Out: If you have a position or know someone that does please let me know so we can get the opportunities out to our students.

Scholarships: I am happy to announce we have many great scholarship applicants for our LI Chapter Award. We look forward to announcing our lucky candidates at our next meeting in June.

Participation: If you are a student reading this, we encourage you to participate in our local chapter activities. Let us show you what's going on in ASHRAE. There are scholarships, grants, design competitions and technical publications available to you? Let us help you take advantage of these opportunities. This year is winding down but it is never too late to get involved.

Please visit: <http://www.ashrae.org/students/> for more information on all the Student ASHRAE activities and opportunities.

Membership

The American Society of Heating, Refrigerating and Air-Conditioning Engineers advances the arts and sciences of heating, ventilation, air conditioning and refrigeration to serve humanity and promote a sustainable world. Membership is open to any person associated with the field including indoor air quality, building design and operation, and environmental control for food processing and industry.

Membership in ASHRAE allows access to information about state-of-the-art HVAC&R technology and provides many opportunities to participate in the development of that technology. Participation is available locally, through chapters, and through membership on Society committees, such as standards projects committees, which are responsible for the development of standards, and technical committees which advise the Society on research needs, emerging technologies, and technical matters.

ASHRAE Members who hold professional engineering designations can now apply for Member of CIBSE via an accelerated route (CIBSE requires a curriculum vitae, as well as proof of both professional registration and ASHRAE Member status). Likewise, CIBSE Members can fast-track into ASHRAE membership without undergoing ASHRAE's review.



[ASHRAE/CIBSE Reciprocal Recognition Application Form](#)

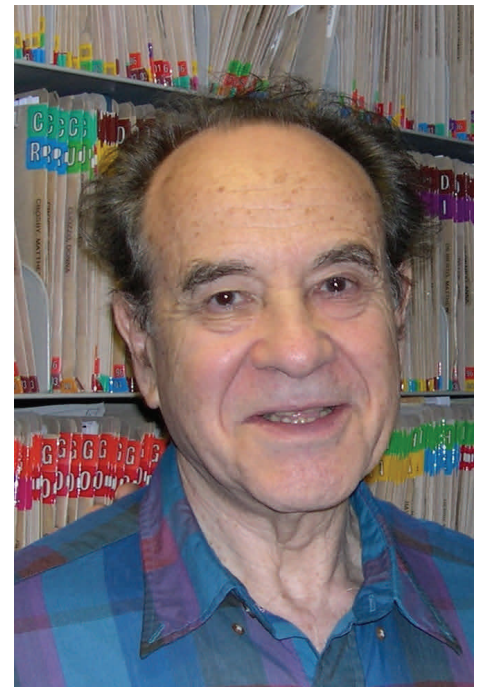
Charles Lesniak, P.E.
Membership Chairman

Remembering Past President Leon Taub, P.E.

Past President Leon Taub, P.E. passed on January 17, 2013 at 87 years old after a short illness. Leon was the Chapter President in 1983 and stayed active with the Chapter. He was a professor of Mechanical Engineering at SUNY @ Farmingdale from 1978 till January. Many of our current members had Professor Taub for HVAC courses.

He always had a smile on his face at the monthly meetings.

He will be missed....



History - Past President's Interview with Michael Gerazounis, P.E., LEED AP

This month, we have interviewed Michael Gerazounis, P.E., LEED AP, founding Principal of MG Engineering D.P.C. Michael served on the Board of Governors from 1992-2000, finishing his active duty as President in 2000-2001 and continues to play a role in the chapter's activities. Born and raised in his hometown of Woodside Queens, Michael's interests in engineering began early with him attending and graduating from the Pre-Engineering Program at Newtown High School. Michael continued his formal education and received a Bachelor's of Science Degree in Mechanical Engineering from Polytechnic Institute of New York in 1985. It was a pleasure to speak with him about his personal engineering history, and his outlook on the industry



1. What attracted you to engineering and the HVAC industry? **As a youth I enjoyed architecture and design. I was in the Pre-Engineering program at Newtown High School and fell in love with architectural and mechanical drafting. Falling into the HVAC industry came later.**
2. What was your first job in the HVAC industry and where did it lead? **Right out of school I was able to get a job with Lizardos Engineering Associates (LEA) and I was lucky to have some great mentors who I was able to learn a great deal. I felt like it was almost an extension of my schooling.**
3. Describe the industry at that time. What were the challenges that you and your colleagues were facing? **I graduated in 1985 and the economy was not doing very well. I initially thought I would somehow go into the defense industry and lucky for me fate took me down a different path as stalwart companies such as Sperry, Fairchild Republic and even Grumman started closing down their local operations.**
4. How and when did you get started in ASHRAE? **I became a member shortly afterwards in the late 80's. Don Stahl who was an Associate at LEA was going up the chairs and thought it would be a good idea career wise for me to get involved.**
5. What was your ASHRAE chapter, regional and Society experience? **Initially as a participating member it was great to go to the chapter meeting and meet new people and listen to the speakers. The NY chapter used to run some great seminars series in Manhattan and I always walked away learning something. After being elected to the Board of Governors it was eye opening to see the behind the scenes efforts and all the hard work people put in to get the information we use every day and take for granted. I have to say that at times I found it was a difficult time to put in the time necessary to do the job right.**
6. What were the major issues facing ASHRAE during your presidency? **There were several, maintaining and increasing membership at a time when the industry and the economy were suffering, keeping the chapter solvent financially and making sure there were ways to bring money into the Chapter to cover our expenses. Also as I am sure were experienced by others, trying to keep all the different personalities on the Board and Committees in check and keeping a positive spin on things.**
7. What was your presidential theme? **I would like to say "Pass it Forward" I always thought going up the chairs that with all the hard work that goes on during the year, when someone on the various committees moves into a new position, wouldn't it be great if their predecessor left them some good instructions to help them get a head start when the new term starts off.**
8. What do you consider to be the major accomplishments during your term? **The seedlings of the implementation of a Chapter Web site and the start of electronic newsletter as opposed to the paper copy sent through the mail.**
9. Did any humorous events take place during your term? **They are too numerous to mention. I was lucky to have a great Board but together with the immediate past presidents just before me Alan Goerke and Frank Morigino, who I still consider good friends, we always seemed to be having a good time and a good laugh.**

History (Cont'd. from Page 11)

10. Are there any things that you wish you could have done differently? **Not really different but maybe tried to do more. Again it's a volunteer organization and time is a precious commodity and sometimes you just wish you could commit more and get those around you to do the same.**
11. What events have changed the industry since your presidency? **The events of 9/11 definitely affected some of the codes and how buildings are designed. The world became a different place and our systems are a big part of how we can protect the occupants.**
12. What has ASHRAE meant to you personally? **ASHRAE allowed me at a time in my career when I had just started my own engineering firm to get some much needed exposure and credibility in the industry. I met a lot of good people and learned things that strictly sitting back at the office I wouldn't have ever learned.**
13. What advice would you give to a young person entering the HVAC field? **Find a great company with a great reputation and great people and spend the time and effort not only during normal business hours but even afterward to learn as much as you can and get involved in the various industry organizations.**
14. What other interests and/or hobbies do you have? **Pretty much golf, golf and more golf. It's my only real vice and I am addicted to it.**

Michael takes great pride in his Greek heritage and has gravitated to projects benefiting the church such as renovations and upgrades to the Holy Trinity Cathedral in Manhattan, the new ground up construction of his own parish's campus for The Archangel Michael Greek Orthodox Church in Port Washington and most recently the new construction of the St Nicholas Church originally destroyed in the 9/11 attacks and soon to be reborn at the Ground Zero site.

An avid golfer, Michael resides in Muttontown, Long Island with his wife Glenda and two sons, Michael and Christian.

Thomas J. Fields, P.E., LEED AP
History Chair



Pictures from April's Field Trip



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ASHRAE Fishing Trip 2013 - Friday, June 14, 2013

Come Join Us!



ASHRAE Long Island Chapter's Fishing Trip 2013

Date/Time

Friday, June 14th, 2013

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, 2013

andym22@optonline.net

We are also looking for sponsors for food and non-alcoholic beverages.

Please contact Andrew Manos at 631.632.2791 for details.

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.

ASHRAE Annual Conference - June 22-26, 2013



Join ASHRAE in sharing lofty ideas, high-level concepts and rock-solid applications on what's new in the building industry in Denver, Colo., at the 2013 Annual Conference, June 22–26. ASHRAE helps you rise above it all and advance your career with its outstanding technical program, learning courses, technical tours and chances to network and socialize. Earn PDHs, while hearing the latest updates from the Society and other leaders in the industry. ASHRAE in the Mile-High City will elevate you to new heights.

REGISTER EARLY & SAVE!

Early registration fees (until April 22):

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- First-time Conference attendee:
\$320 member/\$510 non-member
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NEW registration fees for the following:.

- \$95 speakers
- \$25 student branch advisors
- \$25 student member/ \$50 full-time student non-member

▶ Register now at www.ashrae.org/denver

Research Summit

A newly created **Research Summit** is being held as part of the Conference. The Summit comprises a major portion of the technical program with 33 sessions scheduled, 22 of which are paper-based sessions, presenting the latest research results, innovative research and updates on research in progress. Other sessions of interest to the research community are also presented, including how to apply for ASHRAE research funding.

ASHRAE Annual Conference - June 22-26, 2013

Technical Program

Integrated Project Delivery mini-conference is featured on Sunday and Monday. Other focused tracks on Energy Modeling vs. Verification; Energy Efficiency in Buildings and Equipment; Renewable and Alternative Energy Sources; and HVAC&R Applications and Systems Tracks. [Learn more here.](#)

ASHRAE Learning Institute

Further your professional development through onsite classes offered by the **ASHRAE Learning Institute**, which provides real-world training presented by industry-recognized subject matter experts. ALI offers seven in-depth training courses including a new professional development seminar on *Operations and Maintenance of High-Performance Buildings* and a new short course on *Optimization of HVAC Systems and their Components*.

Technical Tours

Technical tours offer you an inside view of how technology developed by ASHRAE members is practically applied in building environments. Tours include the Denver Zoo, the National Renewable Energy Laboratory, SolarTAC and Pepsi Center Stadium. [Learn more here.](#)

2013 AIA National Convention in Denver

ASHRAE Conference attendees can extend their learning and networking opportunities through the 2013 AIA National Convention and Design Exposition. The AIA Convention, which takes place June 20–22 at the Colorado Convention Center—less than half a mile from the ASHRAE Conference hotel. Of note to ASHRAE attendees is the AIA Expo 2013, which will feature over 700 exhibitors. The Expo Only registration is **free**, and includes entrance to the expo hall and access to the three keynote presentations. See who's exhibiting at the AIA Convention website and register at www.aig.org/convention.

► Register now at www.ashrae.org/denver ◀

We look forward to seeing you in Denver.
If you have any questions, please contact us at meetings@ashrae.org.

ASHRAE wishes to recognize the following Conference Sponsor for their support.



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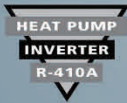
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