

THE LONG ISLAND SOUNDER

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

November 2006



www.ashraeli.org

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

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President's Message

Greetings. Special thanks for everyone who attended last month's dinner meeting. Once again it was good to see some old faces and some new. Mr. Winikow from Zetlin & De Chiara, LLP delivered an interesting presentation on contract provisions and risk aversion. We thank him and his organization for the work and effort put into the presentation. Those who attended received some valuable legal insight and some do's and don'ts pertaining to contract agreements.



It's always a pleasure to see and speak with some of our chapter's senior members and I particularly enjoy when they participate in our monthly meetings and special events. Many of these individuals worked very hard to make our chapter what it is today and it's nice when Society recognizes these folks for their achievements. I recently received notice of certificates for several new fifty-year and life members. Mr. William L. Mahon and Mr. Harold Hecht P.E. have been issued certificates for fifty-year membership and Mr. Richard D. Hemley and Mr. Jerome A. Silecchia have been issued life member certificates. Congratulations to these individuals and on behalf of the chapter, thank you for your support.

Hardly a day passes when I don't receive an e-mail from Society with some sort of technical update or news about ASHRAE and their involvement with business, government and the HVACR community. Now more than ever ASHRAE has proven to be a premiere organization and it's a privilege to be a member. We encourage you and your colleges to log onto www.ashrae.org, utilize the resources and keep up with the latest news.

I would like to extend a special thanks to all of our board and committee members for their work and efforts in support of the chapter. These individuals spend many personal hours with ASHRAE activities and are the backbone of our chapter. Creating programs for our members, raising funds for research, membership support and inter action with our local schools are actions that make our chapter and communities strong. As much as we do, we could do more with some help. Make a difference and become a committee volunteer. A little time goes a long way.

Speaking of our local schools, our Student Activities Chairman Mr. Brian Simkins has been invited to participate in the Hofstra University Engineering Honors / Awards Convocation. Brian will be acknowledging our chapter's recent scholarship winners from Hofstra and will also be speaking on the ASHRAE mission.

CHAPTER MONTHLY MEETING

DATE:	Tuesday, November 14, 2006
TIME:	6:00 PM - Cocktails/Dinner 7:00 PM - Dinner Presentation 8:45 PM - Conclusion
LOCATION:	Westbury Manor South Side of Jericho Tpke. 25 Westbury, NY 11590
FEES:	
Members -	\$35.00
Guest -	\$40.00
Student -	\$15.00

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

Cont'd. on Page 3

Long Island Chapter Officers & Committees

ASHRAE 2006/2007 OFFICERS

POSITION	NAME	PHONE	FAX	EMAIL
President	John Nally	631.331.0215	631.928.4625	jn@atofny.com
President-Elect	Peter Gerazounis, P.E.	212.643.9055	212.643.0503	pgerazounis@mgjassociates.com
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Treasurer	Richard E. Gerbe	718.269.3753	718.269.3598	rgerbe@trane.com
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Board of Governors	Carolyn Arote	516.256.4800	516.256.3299	carote@airdist.com
Board of Governors	Brian Simkins	203.261.8100	203.261.1981	bsimkins@accuspecinc.com
Board of Governors	Craig D. Marshall, P.E.	203.261.8100	203.261.1981	cmarshall@accuspecinc.com

ASHRAE 2006/2007 COMMITTEES

COMMITTEE	NAME	PHONE	FAX	EMAIL
Programs & Special Events	Peter Gerazounis, P.E. Richard Rosner, P.E.	212.643.9055 631.737.9170	212.643.0503 631.737.9171	pgerazounis@mgjassociates.com rrosner@csfllc.com
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Chapter Technology Transfer	Steven Giammona, P.E. Richard Rosner, P.E.	212.643.9055 631.737.9170	212.643.0503 631.737.9171	sgiammona@mgjassociates.com rrosner@csfllc.com
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Resource Promotion	Steven Friedman	212.695.1000	212.695.1299	sfriedman@lilker.com
Historian	Nancy Roman	516.256.4800	516.256.3299	nroman@airdist.com
Student Activities	Brian Simkins Carolyn Cammalleri	203.261.8100 631.549.1000	203.261.1981	bsimkins@accuspecinc.com ccammalleri@lilker.com
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Nominating	Michael Gerazounis, P.E.	212.643.9055	212.643.0503	mgerazounis@mgjassociates.com
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President Message (Cont'd. from Page 1)

This month's dinner meeting will feature a presentation by LIPA for "High Performance Design Guide for Energy Efficient Commercial Buildings". With the growing emphasis on green buildings and sustainable design, this presentation should be beneficial to all. Making the evening even more special, ASHRAE Region 1 Director and Regional Chairman Mr. Garry Myers is planning a visit. Garry is in the early part of his elected term as DRC, and has in my opinion made a significant impact for Region 1 activities. Please take this opportunity to come in and meet Garry and welcome him to our chapter. See you all at the meeting.

John Nally
President - Long Island Chapter

Chapter Monthly Meeting - Program for 2006/2007

September 12, 2006 * At Westbury Manor  Dinner Presentation - Characteristics of Throw, Overhead Air Distribution Fundamentals	February 2007 - TBD NATIONAL ENGINEERS WEEK DINNER
October 10, 2006 * At Westbury Manor  Dinner Presentation - Contract Provisions & Risk Aversion	March 13, 2007 Dinner Presentation - Chimney Design & Combustion/Ventilation Requirements for Gas-Utilization Equipment
November 14, 2006 * At Westbury Manor Dinner Presentation - High Performance Design Guide for Energy Efficient Commercial Buildings RESOURCE PROMOTION & STUDENT ACTIVITIES NIGHT	April 10, 2007 FIELD TRIP - TBD
December 5, 2006 Holiday Party - Westbury Manor	May 7, 2007 * Cherry Valley Club, Garden City, NY ANNUAL GOLF OUTING
January 9, 2007 * At Westbury Manor DINNER PRESENTATION BY Dinner Presentation: <i>The ASHRAE Promise: A Sustainable Future</i> BY TERRY TOWNSEND SOCIETY PRESIDENT Joint Meeting with ACCA	May 15, 2007 TBD MEMBER PROMOTION NIGHT
February 13, 2007 * At Westbury Manor JOINT MEETING WITH SMACNA Dinner Presentation - TBD MEMBER PROMOTION NIGHT	June 12, 2007 * At Westbury Manor PAST PRESIDENTS & OFFICER INSTALLATION
February 2007 - TBD ASHRAE Winter Meeting	June 2007 - TBD ASHRAE Annual Meeting

August 2007 - Chapter Regional Conference Region I - TBD

RUNNING PAOE POINTS FOR 2006/2007

Chapter Members	Membership Promotion	Student Activities	Research Promotion	History	Chapter Operations	CTTC	Chapter PAOE Totals
336	0	0	0	25	0	0	25

Board of Governors Meeting Minutes

A meeting of the Board of Governors was held on 10/10/06 at the Westbury Manor. Present at the meeting were: John Nally, Peter Gerazounis P.E., Steven Friedman, Richard Gerbe, Carolyn Arote and Brian Simkins. The meeting was called to order at 5:10 PM and the following was discussed:

John Nally opened the meeting and requested committee status:

Treasurer Report – Rich Gerbe reported a checking account balance of \$ 22,720.00 and a balance of 7,307.00 in the Merrill Lynch account. Outstanding invoices are approximately \$ 4,600.00 for the balance of CRC and holiday event re-imbursement. The accountant has finalized the IRS tax file and it will be circulated for signatures. A past due invoice for our website host was also paid.



Programs – Peter Gerazounis reported that dinner lectures for November and January have been confirmed. Tentative joint meeting dates are February for SMACNA and March for ACCA. A discussion on the holiday party ended with a vote to offer the event at no charge to our chapter members. The date will be Tuesday December the 5th at the Westbury Manor.

Research Promotion – Steve Friedman reported he has been preparing for donor recognition night that will be held at the November meeting. A change from previous years has been made by Society, this year the coins will be mailed direct from Society to the donor. Certificates are still being presented by the committee chair and will be awarded at the November meeting. To date we have collected approximately \$ 1,500.00. Full circle participation by the board members is suggested. Steve prepared and submitted an MBO to the RVC.

Student Activities – Brian Simkins reported that he has been in contact with some of the local schools and has also ordered materials from Society. A student promotion night is scheduled for the November meeting. The board agreed to continue the previous policy of funding two student scholarships for 2007. This to be discussed further at future meetings. Brian prepared and submitted an MBO to the RVC.

Membership – Carolyn Arote reported that she ordered the membership promotion materials from Society and is actively pursuing new members and candidates for advancement. Carolyn to coordinate with Brian for new student members. Membership promotion nights will be held at the February and May meetings. Carolyn prepared and submitted an MBO to the RVC.

History – Nancy Roman prepared and submitted an MBO to the RVC. No further reports. Past presidents and history night will be held at the June meeting.

Website – Rich Gerbe reports that he has been in contact with the website host. An updated web page is being planned and a new web design is being considered.

Chapter Technology Transfer – No report.

Chapter Operations – John Nally prepared and submitted an MBO to the DRC.

Meeting adjourned 5:55 PM

***John Nally for Nancy Roman
Secretary***

General Meeting Minutes

John Nally called the regular monthly meeting to order at 7:00 PM. Introductions were made and the committee chairs provided brief updates. The dinner lecture featured Mr. Scott Winikow from the law firm of Zetlin & De Chiara who spoke on the Contract Provisions and Risk Aversion.

Meeting adjourned 8:50 PM

***John Nally for Nancy Roman
Secretary***

November Chapter Meeting - Program

You are cordially invited to our November Dinner Meeting:



Dinner Presentation

“High Performance Design Guide for Energy Efficient Commercial Buildings”

Presented by

***Joseph Rocco, CEM, Assoc., AIA
Long Island Power Authority***

DATE:	TUESDAY, NOVEMBER 14, 2006		
Time:	6:00 PM – Cocktails and Hors D'oeuvres 7:00 PM – Dinner Presentation 8:45 PM – Conclusion	Fee:	\$ 35.00 Member \$ 40.00 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 found @ www.ashraeli.org <i>Pre registration not required. Business attire suggested.</i>		
Presentation:	The High Performance Design Guide is a tool to help architects, designers and building owners create better performing, more energy efficient commercial buildings in New York, specifically on Long Island. Organized by design phases rather than by system, the guide makes it easy to integrate performance goals into the design process. Following the elements of the high performance design process will enable you to integrate energy efficiency into the design process, take advantage of daylight in building design, improve electric lighting effectiveness, understand and appreciate the value of energy and economic analysis as well as taking a lead role in protecting the environment resulting from the construction process.		
About our Speaker:	Joseph Rocco, CEM, Assoc., AIA has served as the Assistant Program Manager for the Long Island Power Authority's [LIPA] Commercial Construction Program for the past 5 years and has been involved with other Clean Energy Initiative Programs, including the Solar Pioneer Program, since 1999. His primary focus is to foster relationships between LIPA, their customers and the Architects and Engineers responsible for designing and specifying high performance buildings. Mr. Rocco is also a member of the local chapters of the ASHRAE, American Institute of Architects, and the Illuminating Engineering Society [IES] and holds a Masters in Architecture from Tulane University. He has been certified as both an Energy Manager [CEM] and Lighting Efficiency Professional [CLEP] from the Association of Energy Engineers.		

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Long Island Chapter - Past Presidents

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



Student Activities

I am happy to report that we have been extended an invitation to attend the Hofstra Engineering Honors/ Awards Convocation. I have been asked to address the assembled Engineering students to speak about ASHRAE and ultimately recognize our ASHRAE Long Island Chapter scholarship winners John Nadon and Michael Wright.

I have received a lot of propaganda from National to distribute to students. There is a lot of great information available so please let me know if you have any schools or science fairs where we can present this information and get the word out about ASHRAE.

Remember November is student night. Please invite any engineering students you may know to join us.

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

Brian Simkins
Student Activities Committee



Research Promotion

Fellow Ashrae members and Ashrae supporters, November is our annual Resource Promotion Night. Please bring a check with you whether it be from an individual or company. Typical individual donations have ranged from \$50.00 to \$300.00 and Company donations have ranged from \$250.00 through \$5000.00. I will be issuing Certificates of Appreciation for last years 2005-06 Resource Funding Drive. I would appreciate your presence or company representative at our dinner meeting this month to accept the award. The following individuals and companies will be recognized:

Individual Donors

Marcel Bally
 Michael P Bladykas
 Adrian T. Bogart
 Andrew S. Braum
 Berne and Bob Leventhal
 Joseph Bonifazio
 John C. Cronin, Jr.
 Claudio Darras
 Steven Friedman
 Rick Gaska
 Michael Gerazounis
 Peter Gerazounis
 Richard Gerbe
 Steven Giammona
 Arthur A. Huebner
 Robert W. Kane
 Ronald J. . Kilcarr
 Robert A. Leventhal
 Joseph V. Marino
 Craig D. Marshall
 John D. Nally
 Jerome T. Norris
 Michael O'Rourke
 Robert A. Rankel
 Raymond G. Schmitt
 Fred H. Weber
 Howard B. Weitzman

Company Donors

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 Applied Technologies Inc.
 Bush Wholesalers
 Bladykas Engineering
 Concessi Engineering
 County Fair AC Corp.
 EMTEC Consultants
 GA Fleet Associates
 Gilbar Industries
 Lizardos Engineering
 L.I Chapter of Ashrae
 MWSK Equipment
 SMACNA –Long Island
 SRS Enterprises
 Trane Companies



Once again, the Long Island Chapter of Ashrae appreciates your support. Please consider donating this year and show your support for the industry that supports you. Without your donations, standards and practices within the profession cannot be further developed. Attached there is a Resource Promotion Donation sheet for your use.

See you at the meeting.

Steven Friedman
Research Promotion Chairman

Membership

Membership has been steady, but it could be higher. If you know of anyone who might be interested in joining please bring them down to a meeting. If they sign up that day, the meal is on us! If you have any other Ideas on how to get more people involved please don't hesitate to speak to me during the next meeting.

Carolyn Arote
Membership Chairman

History

The Long Island Chapter Archives have come together through the years and hard work of many chapter members. They are available to those members who'd like to look through them. Realistically this doesn't happen so let me bring them to you. Tracing the historical origins of Air Conditioning in our chapters archives, I found an article entitled Air conditioning and Dr. Carrier, Copyright July 1976 Published by ASHRAE, Inc. NY,NY. The following are a few of Dr. Carrier's numerous accomplishments and contributions to today's industry.

Dr. Willis H. Carrier was the engineering pioneer whose work helped enhance human comfort throughout the world. He graduated from Cornell University in 1901 with a M.E. degree in electrical engineering and began work with Buffalo Forge Co.. His early assignments revealed that the rule of thumb techniques that were commonly used at that time were insufficient to properly design an engineering system. This gave way to his revolutionary ideas that govern design as we know it today.



One of his first major assignments involved humidity control for The Sackett-Wilhelms Lithography & Publishing Co. plant in Brooklyn, NY. His design encompassed controlling dew-point of the air by heating or chilling re-circulated water and using the U.S. Bureau tables, the only reliable psychrometrics data at that time. In 1902 drawings were completed for what would be recognized as the world's first air-conditioning system. His discovery that constant dew-point depression furnished a nearly constant relative humidity led to the design and patent of an automatic control system as he became known as the inventor of dew-point control. In 1907 a subsidiary company headed by Carrier was established by Buffalo Forge Co. This company introduced air-conditioning to hospitals, factories, mills and hotels amongst other industries.

Not only was he the inventor but a businessman. To increase sales and gain market share he wrote and published a catalog. He saw the need to centralize data and created a handbook, eliminating the need for a designer to have numerous books on hand. In 1911 he introduced his most significant document, "Rational Psychrometric Formulae". With great acceptance it was reproduced in college and engineering textbooks, translated into many languages for the rest of the world and became the "authoritative basis for all fundamental calculations in the air-conditioning industry".

The company's activities were confined to manufacturing during World War I. Carrier along with six engineer associates formed the Carrier Corporation in June, 1915 and was able to continue his research.

Fill in the blanks.....

Carrier's "fog theory" controlled _____ in the air.

The World's first _____ - _____ air-conditioning system was used to humidify or dehumidify air, heat water for the first and cool it for the second.

In December 1911 at an _____ annual meeting, Carrier introduced the "Rational Psychrometric Formulae". It related dry bulb, wet bulb and dew point temperatures of the air as well as _____, _____ and _____ heat and the theory of _____ saturation.

Carrier Corporation air-conditioned the original ice rink at _____ in New York.

Nancy Roman
Chapter Historian

Re-print from ASHRAE - October 16, 2006

Educational Programs at ASHRAE '07 - Health Care Design Guidance Provided in New ASHRAE Courses

ATLANTA - Guidance to help designers create safe indoor environments in health care facilities is provided in new educational courses at the AHR Exposition held in conjunction with ASHRAE's Winter Meeting.

In all, ASHRAE will conduct three professional development seminars and 14 short courses at the ASHRAE meeting, January 27-31 in Dallas. Among them are two new short courses related to health care facility design.

Health Care Facilities - Best Practice HVAC Design Considerations and Criteria introduces design considerations. A major emphasis is on the necessary considerations for various diagnostic and treatment and support areas. The course also offers guidance on how to deal with existing facilities, smoke and life safety design issues.

Health Care Facilities-Best Practice Applications of HVAC Systems introduces best practice designs, with a focus on air distribution designs for surgical and patient rooms. Various control and energy efficiency techniques for cooling and heating plants are presented along with O&M and other commissioning topics. Smoke control and life safety best practices and application issues also are covered.

Both courses are based on ASHRAE's HVAC Design Manual for Hospitals and Clinics.

"HVAC systems for hospitals and health care facilities have special requirements because of their functions and the unique susceptibility of patients," Anand Seth, P.E., design considerations course instructor, said. "Designers must create ventilation systems that minimize exposure hazards for health care providers, patients and visitors while providing a comfortable working environment."

The Professional Development Seminars organized by ASHRAE are:

- The Commissioning Process in New and Existing Buildings
- Facility/HVAC Terrorism Threat and Vulnerability Reduction
- Mechanical Insulation Training Program

Each seminar is a full day long and includes handouts.

The 3-hour ASHRAE short courses being held at the AHR Expo are offered on the following topics:

- Successful Solar Applications
- Introduction to Ground Source Heat Pumps
- Introduction to Commercial Desiccant Dehumidification Systems
- Leadership Skills for Engineering Leaders - Situational Leadership(r)
- Introduction to Thermal Energy Storage Systems for Air Conditioning
- Introduction to Green Buildings and Sustainable Construction
- Complying with Requirements of ASHRAE Standard 62.1-2004
- People Skills for Engineering Leaders- Myers-Briggs Type -Indicator(r) (MBTI(r))
- MasterFormat® 2004 and HVAC Specifications
- Compliance with ASHRAE Standard 90.1-2004 HVAC Mechanical
- Designing Residential Ventilation Systems to Meet ASHRAE Standard 62.2
- Emerging Dehumidification Enhancements for DX Cooling Systems
- Health Care Facilities - Best Practice HVAC Design Considerations and Criteria
- Health Care Facilities-Best Practice Applications of HVAC Systems

Professional Development Seminars award attendees 6 PDHs and .6 CEUs and earn AIA and New York and Florida recognition. Short courses award attendees 3 PDHs, .3 CEUs, 3 AIA LUs and New York and Florida recognition.

For complete course information and to register, visit www.ashrae.org/dallas.

ASHRAE, founded in 1894, is an international organization of 55,000 persons. ASHRAE fulfills its mission of advancing heating, ventilation, air conditioning and refrigeration to serve humanity and promote a sustainable world through research, standards writing, publishing and continuing education.

CLASSIFIEDS

Sales Engineer: To assist consulting engineers and design professionals with the application and selection of energy efficient equipment and systems. Position requires local travel to client offices and/or job sites, professional appearance, strong communication skills, dedicated work ethic, computer software knowledge and willingness to work as a team member.

Please email your resume to infony@walesdarby.com

Answers to History's "Fill in the Blanks"

Answers: 1. moisture 2. spray type 3. ASME, sensible, latent, total, adiabatic 4. Madison Square Garden

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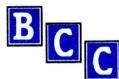
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Walter Stark
President

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