

# THE LONG ISLAND SOUNDER

January 2005



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

www.ashraeli.org

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

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## President's Message

First, our best wishes for a happy and healthy New Year to all of you and your families. We want to share with you the news that while most of us were celebrating the holidays and the beginning of the New Year, the Braum Family was celebrating the arrival of their new son. We are sending our warmest wishes to them.



**TIME FOR REFLECTION:** This is perhaps the best time to recognize your generosity and support to the Chapter. Thanks for your attendance to past meetings, which is a big encouragement for us to continue our work. We want to show our appreciation to Craig Marshall, our Program Chairperson, who has done a remarkable job preparing and coordinating this year's program. We know that, despite the quality programs offered, the Chapter has not yet established the procedures necessary to grant you CEU credits for your attendance at the meetings. Please bear with us, as we expect to have this issue resolved shortly.

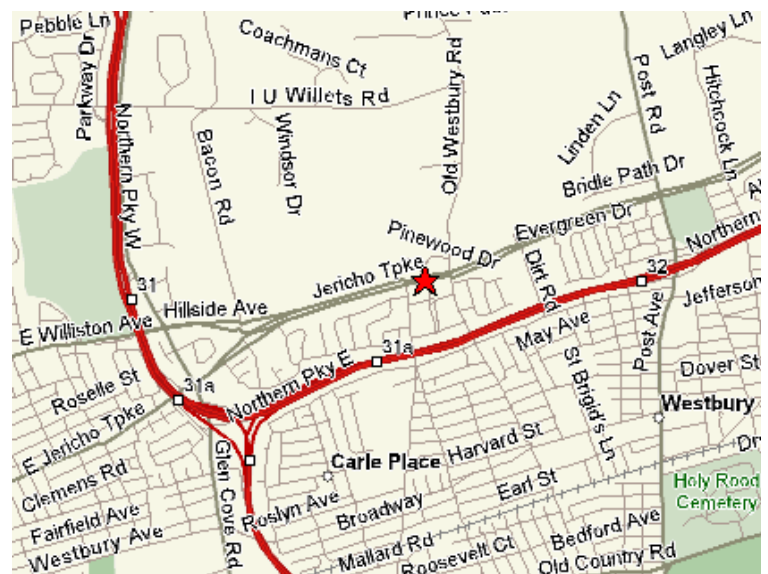
**NOVEMBER MEETING:** November was our now traditional Joint Meeting with SMACNA Long Island with a panel presentation centered around "Commissioning in NYS and its impact on the HVAC community". As a courtesy of SMACNA LI, the SMACNA "HVAC System Commissioning Manual" was distributed at no charge to all attendees. Our sincere thanks go to Paul Parker, Eli Howard, Bill Freese, Tom Luerssen, and Al Sapio for such an informative presentation.

Cont'd. on Page 3

## CHAPTER MONTHLY MEETING

<b>DATE:</b>	Tuesday, January 11, 2005
<b>TIME:</b>	6:00 PM - Cocktails/Dinner 6:30 PM - Changeover Presentation 7:00 PM - Dinner Presentation 8:45 PM - Conclusion
<b>LOCATION:</b>	Westbury Manor ★ South Side of Jericho Tpke. 25 Westbury, NY 11590 - See Map on Right
<b>FEES:</b>	Members - \$30.00 Guest - \$35.00 Student - \$15.00

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



## Long Island Chapter Officers & Committees

### ASHRAE 2004/2005 OFFICERS

POSITION	NAME	PHONE	FAX	E-MAIL
President	Claudio Darras, P.E.	(212) 354-5656	(212) 354-5668	cdarras@akf-eng.com
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Vice President	John Nally	(631) 331-0215	(631) 928-4625	jn@atofny.com
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Board of Governors	James Hayes	(201) 247-7286	(718) 228-6721	jhayes@geru-usa.com
Board of Governors	Andrew S. Braum, P.E.	(516) 785-4200	(516) 785-9148	asb@asbengineering.com

### ASHRAE 2004/2005 COMMITTEES

COMMITTEE	NAME	PHONE	FAX	E-MAIL
Programs and Special Events	<b>Craig D. Marshall, P.E.</b>	(203) 261-8100	(203) 261-1981	cmarshall@accuspecinc.com
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Resource Promotion	<b>Peter Gerazounis, P.E.</b>	(212) 643-9055	(212) 643-0503	pgerazounis@mgjassociates.com
Historian	<b>John Nally</b>	(631) 331-0215	(631) 928-4625	jn@atofny.com
Student Activities	<b>John Nally</b>	(631) 331-0215	(631) 928-4625	jn@atofny.com
Webmaster	<b>James Hayes</b>	(201) 247-7286		jhayes5598@aol.com
Honors, Awards & Publicity	<b>Ray Schmitt</b>	(631) 585-6800	(631) 471-4950	therevrgs@aol.com
Nominating	<b>Michael Gerazounis, P.E.</b>	(516) 482-3207	(516) 482-3790	mgerazounis@mgjassociates.com
CRC General Chair	<b>Alan Goerke, P.E.</b> <b>Frank Morgigno</b>	(631) 331-0215 (631) 331-0215	(631) 928-4625 (631) 928-4625	ag@atofny.com fm@atofny.com
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Public Relations & Engineering Joint Council of LI	<b>Richard E. Gerbe</b>	(516) 484-1020	(516) 484-0926	reg@leapc.com
Golf Outing	<b>Alan Goerke, P.E.</b> <b>Craig D. Marshall, P.E.</b>	(631) 331-0215 (203) 261-8100	(631) 928-4625 (203) 261-1981	ag@atofny.com cmarshall@accuspecinc.com

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

**DECEMBER PARTY:** The Board unanimously decided to skip our December meeting and support a free-of-charge holiday celebration instead for the membership and friends of the LI ASHRAE Chapter, in recognition of a successful year. The party was well attended and there were plenty of reasons to celebrate.

**JANUARY MEETING:** January is the time for our annual joint meeting with ACCA. This year we are honored to have Lawrence Schoen, P.E. as our speaker. Lawrence is a Fellow of ASHRAE and Principal of Schoen Engineering, MD. During his presentation he will discuss the most recent updates of ASHRAE Std. 62 for HVAC Design, System Start-up, and Maintenance. Lawrence has held several chairs for ASHRAE Std. 62 technical subcommittees. Please refer to the attached promotional material to learn more about Lawrence's prestigious career in our industry.





Finally, it is also a pleasure to announce that Lynn Bellenger, P.E. and current DRC, the highest ASHRAE official of the Northeast Region, will be visiting our chapter during the January meeting. We cordially invite you to share with us this great occasion.

If you have not attended a Chapter meeting lately, January is the meeting that you should not skip. Come to say hello to old and new friends, and enjoy the fine menu at the Westbury Manor.

We are looking forward to seeing you soon.

**Claudio Darras, P.E.**  
**President - Long Island Chapter**

## Chapter Monthly Meeting - Program for 2004/2005

<b>September 14, 2004</b> * At Westbury Manor  Dinner Presentation - The Mechanical Engineer's Role in Sustainable Design & The LEED Rating Sys	<b>March 8, 2005</b> <b>FIELD TRIP</b> Island Aire Facility Ronkonkoma, NY PTAC Units & Water Source Heat Pumps
<b>October 12, 2004</b> * At Westbury Manor  <b>ASHRAE DISTINGUISHED LECTURER</b> Dinner Presentation - Buying or Selling, The Nuts & Bolts of Commissioning	<b>April 12, 2005</b> * At Westbury Manor <b>MENTOR NIGHT</b> Dinner Presentation - VAV System Design
<b>November 9, 2004</b> * At Westbury Manor  <b>JOINT MEETING WITH SMACNA-LI</b> Dinner Presentation - HVAC Essentials	<b>April 13, 2004</b> * Location TBD ASHRAE Satellite Broadcast - Mold in our Building Environment
<b>December 2004</b>  Holiday Event - TBD	<b>May 10, 2005</b> * At Westbury Manor <b>REFRIGERANT NIGHT</b> Dinner Presentation - Trade-Offs in Refrigerant Selections
<b>January 11, 2005</b> <b>JOINT MEETING WITH ACCA-LI</b> Dinner Presentation - ASHRAE 62 Most Recent Updates	<b>May 2005</b> <b>ANNUAL CHAPTER GOLF OUTING</b>
<b>January 2005</b> ASHRAE Winter Meeting and Trade Show	<b>June 14, 2004</b> * At Westbury Manor <b>PAST PRESIDENTS &amp; OFFICER INSTALLATION</b> Dinner Presentation - ASHP- Drug Compounding Facilities Requirements for Hospitals
<b>February 2005</b> Joint Meeting with NYC, Bi-State & NJ Chapters (ASHRAE President Elect 2004-2005)	<b>June 2005</b> ASHRAE Annual Meeting
<b>February 2005</b> <b>NATIONAL ENGINEERS WEEK</b>	

**August 2005 - Chapter Regional Conference Region I - New Jersey**

## January Chapter Meeting - Program

*You are cordially invited to our January 2005 Meeting*



### Dinner Presentation

**“ASHRAE STANDARD 62 – Most Recent Updates for Design, System Startup & Maintenance”**

*Presented by*

**Lawrence J. Schoen, P.E.**

**ASHRAE 62 Standard Technical Committee Chair**

<b>DATE:</b>	<b>TUESDAY, JANUARY 11, 2005</b>		
<b>Time:</b>	6:00 PM – Cocktails and Hors D'oeuvres 6:30 PM – Change Over Ceremony 7:00 PM – Dinner Presentation 8:45 PM – Conclusion	<b>Fee:</b>	\$ 30.00 Member \$ 35.00 Guest \$ 15.00 Student
<b>Location:</b>	<b>WESTBURY MANOR</b> (516) 333-7117 Jericho Tpke (South Side), 3/10 of mile east from Glen Cove Rd., Nassau County, NY. <b>Please Contact Craig Marshall at <a href="mailto:cmarshall@accuspecinc.com">cmarshall@accuspecinc.com</a> for directions.</b> - <i>Reservations requested but not required. Business attire suggested</i>		
<b>Presentation:</b>	This month presentation will cover ASHRAE Standard 62 most recent updates for latest practice in design, the new section on Construction & System Startup and Operation and Maintenance. Presentation will discuss, what kind of interior build out triggers an outdoor air re-evaluation and whose responsibility is it? Can a contractor be held responsible for meeting the requirements in the new construction and system start-up section? What value enhancements can be provided to a customer by using the new provisions of the operation and maintenance section? Is Standard 62 part of the building code? These and other issues will be discussed.		
<b>About our Speaker:</b>	<b>Lawrence J. Schoen, P.E.</b> is Principal Engineer for Schoen Engineering Inc. a Consulting Engineering firm based in Columbia, Maryland.  Lawrence is a Fellow of ASHRAE and a past chair of the ASHRAE Standard 62.1 Ventilation for Acceptable Indoor Air Quality.  Lawrence was an engineer designer for JB&B located in NYC and performed DOE funded energy research at JB&B and Princeton University's center for Energy and Environmental Studies. He has a B.S. in Mathematics from SUNY Buffalo and a M.S. in Mechanical Engineering from NJIT. He is a licensed Professional Engineer in several states.		

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## November Meeting Photos



Joint SMACNA LI Meeting Panel Presenters (left to right):  
Al Sapio, Tom Luerssen, Paul Parker, Eli Howard & Bill Freese.



## December Chapter Holiday Cocktail Party Photos





## Long Island Chapter - Past Presidents

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



## Membership

Happy New Year! I would like to encourage everyone to speak to their co-workers about joining the Long Island Chapter and bring them to a monthly meeting. With a new year upon us it is a great way to meet new people and network in our industry.

We are also seeking individuals to participate in the ASHRAE Mentoring Program. This is a program designed to bring together experienced professional ASHRAE members (Mentor), to teach and council inexperienced or student ASHRAE members (Protégé). The goal of the program is to enhance the Protégé's professional and ASHRAE development. This can be a very rewarding experience for all involved.

I look forward to seeing everyone at our January Meeting.

**Steven Giammona, P.E.**  
**Membership Chair**

## RUNNING PAOE POINTS FOR 2004/2005

Chapter Members	Membership Promotion	Student Activities	Resource Promotion	History	Chapter Operations	Chapter Programs	CTTC	Chapter PAOE Totals
353	0	0	73	0	0	0	550	623

## History - "The Medical Connection"

Most folks today have heard the term M.R.I. (magnetic resonance imaging) and many of us have even experienced one of these medical diagnostic tests. The machine that performs the test scans the body with powerful magnetic waves and provides a three dimensional image or picture of your body's inside. Now I'm not a doctor and I don't pretend to understand the mechanics of the image, but I do know it has allowed medical professions to diagnose and treat many illnesses that went undetected before this type of test was available. Now your might be thinking this is interesting but what does this have to do with ASHRAE and the Long Island Chapter. Read on.

Back in August 3<sup>rd</sup> 1983 New York Hospital unveiled an "Advanced Diagnostic Tool" know as a N.M.R., which was an acronym for nuclear magnetic resonance. The hospital's Chief of Radiology, Dr. Whalen, commented during a demonstration that "it is one of the most exciting things happening in medicine". The N.M.R. was far superior to x-rays and CAT scans for revealing physiological and biochemical information about the body. Technicare, a division of Johnson & Johnson, built this new medical marvel. The medical community was fascinated and 10 other hospitals had applied to the state for approval to own such a machine. As you may have figured by the name the device contains a large magnet to create the magnetic waves. It draws a considerable amount of electrical power to operate and consequently produces a significant amount of heat. For the N.M.R. at New York Hospital, getting rid of the heat became the job of Ralph H. Butler P.E.

Many of you know Ralph as one of our past presidents and a strong supported or our chapter. Ralph designed a chiller system using a York LCH15W liquid chiller and a BAC VX15C cooling tower to supply chilled water to the Technicare N.M.R. machine and other hospital systems. Ralph compiled some interesting test data, which served as a guide for future design and use. Two decades later we call this machine an M.R.I. and cooling the magnet is still a requirement. So if you ever have to have a M.R.I test, think of Ralph and the ASHRAE medical connection.

**John Nally**  
*Chapter Historian*

## Resource Promotion

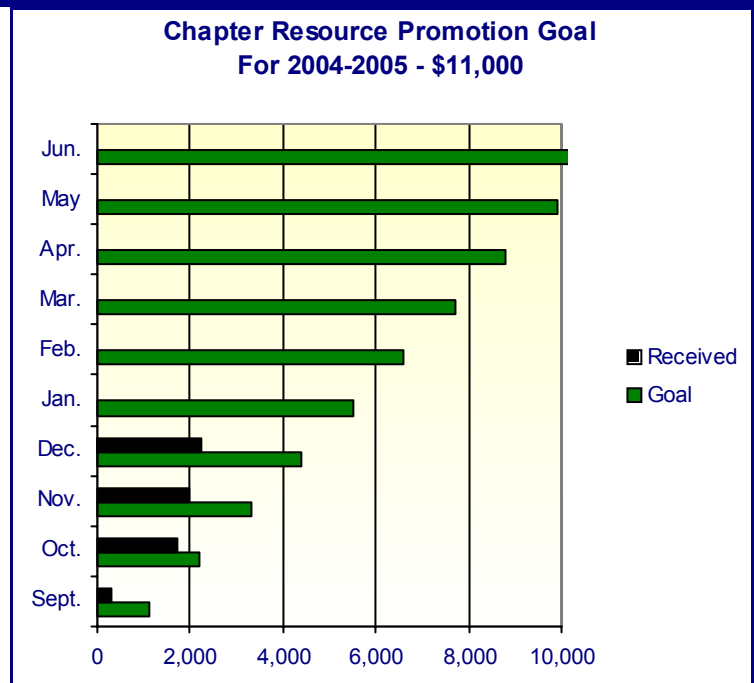
Thank you to our chapter officers who each personally contributed \$100 towards Resource Promotion.

The society encourages this as it not only gives us a head start towards reaching our overall goal but it hopefully sets an example to the general membership that we "put our money where our mouth is".

We cannot rely solely on corporate contributions. A large portion of the Resource Promotion budget comes from personal contributions.

Happy New Year. I hope everyone has a happy, healthy and prosperous 2005.

**Peter Gerazounis, P.E.**  
*Resource Promotion Chair*



## Student Activities

February is fast approaching, as is National Engineers Week.

The global theme for this year is “Engineers Make a World of Difference. Catchy and very true. There are a number of featured programs planned for engineering students, young professionals and even grade school kids. One such program is called “Connecting the World to Engineering” using an Internet enabled initiative.

Engineering undergraduates, young engineering professionals, business leaders and Universities will connect and participate in live teleconferences. Another program is the annual “Faces of Engineering” campaign. Here young engineers are showcased to inspire future generations and the “Discover Engineering” program places more than 45,000 engineers with 5.5 million students and teachers in classrooms with extracurricular activities.



There is the “National Engineers Week Future City Competition” where seventh and eighth graders compete with model building of future urban centers. ASHRAE of course is a member of the National Engineers Week Committee and provides strong support for the student activities. While there is a lot happening on a national level, we need your support for the students locally.

The Long Island Chapter of ASHRAE has historically provided annual academic scholarships for local HVAC engineering students. Thanks to your generosity and support, this year we will be offering two scholarships and will be soliciting applications from the students shortly. Not to minimize the importance of these scholarships, but this is easy stuff. What we really need help with is internship positions. If you are a principal or manager in a professional engineering firm or contracting trade, and would be interested in an internship with a student please let us know. These kids are bright, work hard and will no doubt make you feel like a dinosaur, but your wisdom is truly valuable. Give it some thought and give our committee a call.

**John Nally**  
*Student Activities Chair*

## Why Belong to an ASHRAE Chapter?

**Grassroots of Society:** Each Chapter is supported by volunteer effort. Chapters are divided into geographic regions to effectively organize Chapter efforts; provide volunteer training; and open a communications channel to the Society's Board of Directors. Each region holds an annual conference that includes a technical program and business session. Nominations for service on many Society-level committees are made at these meetings.

Each of the Society's more than 160 Chapters usually meets for a monthly dinner and technical session featuring a noted speaker. This activity brings the latest in technical information to the local level. Chapters also sponsor seminars and lecture series to provide members with more detailed technical information.

Some Chapters even conduct courses that are not available at local universities for their members and other interested professionals. Public information programs are another important Chapter activity. For example, it is not uncommon for ASHRAE members to hold seminars on energy conservation in the home, or to provide engineering career guidance to young people. In addition, many Chapters sponsor scholarships to students attending college and help organize and support ASHRAE student branches. If you are not a current chapter member and would like further information, please view our website at [www.ashraeli.org](http://www.ashraeli.org).



## High-Performance Green Building Design

You are cordially invited to ASHRAE LI,  
EBA/NYS and USGBC-LI's On-Going Series:

### HIGH-PERFORMANCE GREEN BUILDING DESIGN

*Building Commissioning:  
Costs, Savings & Its Key Role in LEED & Integrated Design*

*Presented by*

**Steve Joern - President, Park East Facility Solutions**

<b>DATE:</b>	<b>WEDNESDAY, January 12, 2005</b>	<b>TIME:</b>	<b>8:00 am to 10:00 am</b>
<b>Location:</b>	The Weeping Willow, 25 Smith St., Farmingdale, NY <b>Directions:</b> Long Island Expwy to Exit 49 South (Route 110). Go Approximately 1 1/2 miles South on Route 110. Make a Left turn on Smith Street.		
<b>Fee:</b>	<b>Pre-Registration required by 5:00pm, Monday January 10, 2005</b> \$15 for ASHRAE, EBA/NYS and USGBC members \$25 for non-members \$30 at the door for those not Pre-Registered		
<b>Presentation:</b>	This discussion is for both commissioning novices and experts. It will cover various aspects of building commissioning including: <ul style="list-style-type: none"> <li>· Overview of Commissioning &amp; why it is gaining popularity Costs &amp; Savings of Commissioning.</li> <li>· Integrated Design and the role of the commissioning agent in the Planning, Design, Construction, Post-Construction process.</li> <li>· Commissioning &amp; LEED – Requirements for certification.</li> <li>· Retro-commissioning of Existing Buildings.</li> <li>· How to select a Commissioning Agent.</li> <li>· Case studies &amp; Handouts.</li> </ul> <b>CEEP, Inc. will be offering 1.5 PDH</b>		
<b>About our Speaker:</b>	<b>Steve Joern</b> – is the President and founding partner of Park East Facility Solutions. Their core services focus on working directly with administrators and operators to improve building and operator performance. Steve has been directly involved with dozens of commissioning engagements ranging from simple troubleshooting to serving as the lead commissioning agent on one of the worlds largest direct digital control installation projects. Many of Steve's commissioning and operational practices are based on his experience as an Engineering Officer onboard a US Navy ship as well as his leadership role in the New York State Office of Mental Health's state-wide award winning energy management program.		
<b>PRE-REGISTRATION: (1/10/05 – 5pm)</b>	<b>Online:</b> <a href="http://store.mountainmedia.com/ceepinc/calendar.cfm?do=detail&amp;d=3191&amp;c=4943&amp;p=27284">http://store.mountainmedia.com/ceepinc/calendar.cfm?do=detail&amp;d=3191&amp;c=4943&amp;p=27284</a> <b>Email:</b> <a href="mailto:robyn@ceepinc.org">robyn@ceepinc.org</a> <b>Tel:</b> 518.432.6400 x221 (Robyn Stewart)		

**CLASSIFIEDS**

**As a Courtesy to all Long Island Chapter Members,  
All Classifieds Ads Submitted to the Newsletter will be Free of Charge.**

**If you would like to place an ad advertising job opportunities or if you would like to advertise that you are looking for employment please contact our chapter's Treasurer, Mr. Steve Friedman via email at [sfriedman@mgjassociates.com](mailto:sfriedman@mgjassociates.com) or at 212-643-9055 for further details.**

**CONGRATULATIONS**



**A special congratulations to Andrew Braum, last year's Chapter President and his wife Deborah Braum on the birth of their son, Seth Aaron Braum, on New Year's Day, January 1st, 2005!**



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