



# THE LONG ISLAND SOUNDER



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

December 2010



[www.ashraeli.org](http://www.ashraeli.org)

## SEASON'S GREETINGS

### Inside this issue:

President's Message	1
Meeting Information	1
LI Chapter Officers	2
Meeting Schedule	3
PAOE	3
Program	4
BOG Minutes	5
Research Promotion	6,7
CTTC	8,9
LI Past Presidents	9
History	10,11
Student Activities	12
YEA	13,14
Membership	14
Advertisements	15,16

### President's Message

Greetings. Last month's joint meeting with SMACNA was a busy night. It was student activities night, YEA night and membership promotion night. November's meeting was well attended by about 70 people including an excellent show of past presidents: Evans Lizardos 1978, Ronald Kilcar 1993, Walter Stark 1995, Joe Marino 1996, Frank Morgigno 1999, John Nally 2006, Peter Gerazounis 2007, Steven Friedman 2008 and Steven Giammona 2009. The Director and Regional Chair for Region 1, Mr. Spencer Morasch attended our board of governors meeting as well as our regular dinner meeting. Mr. Kenneth Camilleri, Lead Engineer for National Grid's Energy Products group introduced the Energy Efficiency programs relevant to the downstate territory. The main speaker, Mr. Mark Terzigni from SMACNA delivered an informative presentation on new duct leakage standards. We thank all those who contributed in making this night a great success.



December 14<sup>TH</sup> is member appreciation night from 6:00pm to 8:00pm at Westbury Manor. The Long Island Chapter will be hosting the 2010 holiday party and it will be complimentary for ASHRAE members and students. There is a \$40 fee for non-members. It's a great time to become a member. Please contact our Membership Committee Chair, Tom Fields at [t.fields@fpm-group.com](mailto:t.fields@fpm-group.com) for more information on how to become a member. This night will include a hot/cold buffet, coffee, dessert and open bar. A RSVP is required so please contact Carolyn Arote at [Carolyn@adehvac.com](mailto:Carolyn@adehvac.com) to reserve your spot. We hope to see you there.

### CHAPTER MONTHLY MEETING

DATE:	<b>Tuesday, December 14, 2010</b> <b>ASHRAE Holiday Party</b>
TIME:	6:00 PM - 8:00 PM
LOCATION:	Westbury Manor South Side of Jericho Tpke. 25 Westbury, NY 11590
FEES:	
Member -	<b>No Fee</b>
Students-	<b>No Fee</b>
Non-Member-	<b>\$40.00</b>

*Reservations requested, but not required.*

*Call (516) 333-7117*

On January 11<sup>TH</sup> we have ASHRAE Distinguished Lecturer, Mr. Mark McCracken, giving a presentation on Standard 189.1 for the design of high performance green buildings. On February 9<sup>TH</sup> we will have ASHRAE President and Distinguished Lecturer, Lynn Bellenger, as our keynote speaker for the joint meeting with USGBC. The dinner presentation will be Modeling a Sustainable World. Mark your calendars as this meeting will be held on the 2<sup>ND</sup> Wednesday of the month to accommodate all our guests. The date for the Golf outing has been set for Monday May 2<sup>ND</sup> at Cherry Valley Club in Garden City. Take a moment and check out our website [www.ashraeli.org](http://www.ashraeli.org) for more details on upcoming programs and events.

The members of the board of governors have been busy, as have the various committee members. These individuals volunteer many hours in growing and strengthening our chapter and local communities with ASHRAE activities; creating programs for our members, raising funds for research, membership support, interaction with local schools. They are the backbone of our chapter and I would like to send a special thanks for all their dedication and continued support of our society. On behalf of the Long Island Chapter I would like to wish everyone a Happy, Healthy and safe Holiday and a prosperous New Year. We are looking forward to a great new year of ASHRAE events.

See you on December 14<sup>TH</sup>. Happy Holidays!

**Nancy Román**  
**President - Long Island Chapter**

## Long Island Chapter Officers & Committees

### ASHRAE 2010/2011 OFFICERS




POSITION	NAME	PHONE	FAX	EMAIL
President	Nancy Román	516.568.6509	516.568.6586	nroman@adehvac.com
President-Elect	Carolyn Arote	516.568.6550	516.568.6575	carote@adehvac.com
Vice President	Brian Simkins, LEED AP	203.261.8100	203.261.1981	bsimkins@accuspecinc.com
Financial Secretary	Andrew Manos, LEED AP	631.632.2791	631.632.1473	andym22@optonline.net
Treasurer	Janeth Costa	631.242.8787	631.242.7084	jcosta@apollohvac.com
Secretary	Richard Rosner, P.E.	631.737.9170	631.737.9171	rrosner@csflc.com
Board of Governors	Thomas Fields, P.E., LEED AP	631.737.6200	631.737.2410	t.fields@fpm-group.com
Board of Governors	Charles Lesniak	516.484.1020	516.484.0926	charles.lesniak@leapc.com
Board of Governors	Steven Giammona, P.E., LEED AP	516.827.4900	516.827.4920	sgiammona@ cameronengineering.com

### ASHRAE 2010/2011 COMMITTEES

COMMITTEE	NAME	PHONE	FAX	EMAIL
Programs & Special Events	Carolyn Arote	516.568.6550	516.568.6575	carote@adehvac.com
Membership	Thomas Fields, P.E., LEED AP	631.737.6200	631.737.2410	t.fields@fpm-group.com
Chapter Technology Transfer (CTTC)	Brian Simkins, LEED AP	203.261.8100	203.261.1981	bsimkins@accuspecinc.com
Newsletter Editor	Liset Cordero	212.643.9055	212.643.0503	liset.cordero@mgepc.net
Resource Promotion	Andrew Manos, LEED AP	631.632.2791	631.632.1473	andym22@optonline.net
Historian	Charles Lesniak	516.484.1020	516.484.0926	charles.lesniak@leapc.com
Student Activities	Richard Rosner, P.E.	631.737.9170	631.737.9171	rrosner@csflc.com
Young Engineers in Training	Charles Lesniak	516.484.1020	516.484.0926	charles.lesniak@leapc.com
Webmaster	Andrew Dubel	516.484.1020	516.484.0926	Andrew.dubel@leapc.com
Nominating	Michael Gerazounis, P.E., LEED AP	212.643.9055	212.643.0503	michael.gerazounis@mgepc.net
Reception & Attendance	Don Kane, P.E.	631.737.9170	631.737.9171	dkane@csflc.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

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## Chapter Monthly Meeting - Program for 2010/2011

<b>September 14, 2010</b> * At Westbury Manor  Dinner Presentation - Variable Refrigerant Flow Systems <b>REFRIGERATION NIGHT      **1 PDH**</b>	<b>February 2011</b> <b>NATIONAL ENGINEERS WEEK</b> Feb 20 through Feb 26
<b>October 19, 2010</b> * At Westbury Manor  Dinner Presentation – Harmonic & Power Quality Presenter— Ken Scherer <b>RESOURCE PROMOTION NIGHT   **1 PDH**</b>  <i>* Meeting will be held on 3rd Tuesday of the month.</i>	<b>March 8, 2011</b> * At Westbury Manor Dinner Presentation- Emerging Filter Technology Presenter Paul Deluliis  <b>YEA NIGHT</b>
<b>November 16, 2010</b> * At Westbury Manor  Dinner Presentation - Understanding SMACNA's New Duct Leakage Standard Presenter— Mark Terzigni-SMACNA National <b>JOINT MEETING WITH SMACNA</b> <b>STUDENT ACTIVITIES NIGHT</b> <b>MEMBERSHIP PROMOTION NIGHT</b> <b>YEA NIGHT</b>	<b>April 2011</b> <b>ANNUAL FIELD TRIP - TBD</b>
<b>December 14, 2010</b> Holiday Party - Westbury Manor	<b>May 2011</b> * Cherry Valley Club, Garden City, NY <b>ANNUAL GOLF OUTING</b> <b>Date TBD</b>
<b>January 11, 2011</b> * At Westbury Manor Dinner Presentation – Standard 189.1 Standard for the Design of High-Performance Green Buildings Presenter: Mark MacCracken Distinguished Lecturer	<b>May 10, 2011</b> * At Westbury Manor Dinner Presentation – Heating system design and applications for condensing, hybrid and sensible heat boilers Presenter: Donald Pratt – Director of the Reed Institute at Mestek <b>STUDENT ACTIVITIES NIGHT</b>
<b>February 9, 2011</b> * At Westbury Manor Dinner Presentation- Modeling a Sustainable World <b>Presenter: Lynn Bellenger-President ASHRAE &amp; Distinguished Lecturer</b> <i>** Meeting will be held on 2nd Wednesday of the month.</i> Joint Meeting with USGBC <b>RESOURCE PROMOTION NIGHT</b> <b>MEMBERSHIP PROMOTION NIGHT</b>	<b>June 14, 2011</b> * At Westbury Manor  <b>PAST PRESIDENTS &amp; OFFICER INSTALLATION</b>
<b>January/February 2011</b> ASHRAE Winter Meeting Jan 31-Feb 2 Las Vegas Convention Center 3150 Paradise Road, Las Vegas, NV 89109	

**August 2011 - Chapter Regional Conference Region I**  
**New York, NY August 18-20**

## PAOE POINTS FOR 2010/2011

Chapter Members	Membership Promotion	Student Activities	Research Promotion	History	Chapter Operations	CTTC	Chapter PAOE Totals
295	150	100	615	75	835	575	2,350

## ASHRAE Holiday Party 2010



# ASHRAE

## Long Island Chapter's 2010 Holiday Party

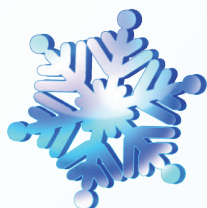


### *“Member Appreciation Night”*

Come and join us to celebrate a successful year.

We cordially invite you to a holiday cocktail party, featuring  
dinner, drinks, and holiday cheer...

- DATE:** Tuesday, December 14, 2010
- TIME:** 6:00 pm to 8:00 pm
- LOC.:** WESTBURY MANOR, Jericho Tpke. 25, Westbury (516) 333-7117
- MENU:** Hot and Cold Buffet, Coffee, Dessert and “Open Bar”
- FEE:** Complimentary Admission for ASHRAE Members & Students (FREE)!
- RSVP:** By Monday, Dec. 13, 2010 - 12 noon (*REQUIRED*)  
Send your Name & Phone# to [carolyn@adehvac.com](mailto:carolyn@adehvac.com)



Hope to see you there.

RSVP today!



*Season's Greetings and Best Wishes for the New Year  
from the ASHRAE Long Island Chapter*

## Board of Governors Meeting Minutes

DATE: Tuesday, November 16, 2010 TIME: 4:57 PM – 5:50 PM

LOCATION: Westbury Manor

Attendees were Nancy Roman, Carolyn Arote, Andy Manos, Charlie Lesniak, Andrew Dubel, Janeth Costa, Tom Fields, Richard Rosner, Brian Simkins, Steve Giammona, Steve Friedman, Peter Gerazounis and Spencer Morasch, DRC.

**General:** **Nancy Román** - December newsletter articles are due in one week. Articles to be copied to Andrew Dubel, [Andrew.Dubel@leapc.com](mailto:Andrew.Dubel@leapc.com) & Anthony Bikowski [abikowski@dnbmechanical.com](mailto:abikowski@dnbmechanical.com) when submitting articles to Nancy and Liset so the website can be updated earlier. Nancy introduced Spencer Morasch, DRC, Director & Regional Chair of Region I.

**Spencer Morasch DRC** – Monitored the meeting and gave recommendations on how other chapters accomplished things with innovative ideas. He also gave praise to the Long Island chapter.

**Programs:** **Carolyn Arote** – The field trip for April is not finalized yet as only out of the general area projects are currently available for tours.

**Resource Promotion:** **Andy Manos** - Reviewed November's RP night activities –Noted that the Key Span Speaker raised money for RP. Reported the vendor book deadlines are close at hand and the book will be going to the publisher mid December. The chapters Full Circle contribution has been met. Prior to this meeting \$4,410 has been raised already out of the \$12,810 goal.

**History:** **Charles Lesniak** – Updated us on progress contacting Regional Historian, [Phil Knowlton](#) about Society Gold Ribbon Award Info. Interviews with seasoned chapter members are planned to bring the chapter the “when I was young this is how we did it” facts. An FTP site for archive storage will be discussed at the next meeting.

**Webmaster:** **Andrew Dubel** – The website has been updated. Additional changes will be discussed at the December meeting. Problems with the Facebook access were mentioned.

**Treasury:** **Janeth Costa** - Financial Update on TD Bank balance was given as \$13,782.40 and the money market account has \$8,015.88. In an update on financials sent to Epan Boyle, Janeth noted an extension had been filed to February 15<sup>th</sup> but was awaiting an explanation of why that was necessary as the information had been prepared timely. Newsletter advertisement invoices are currently all paid up.

**Membership Promotion:** **Tom Fields** – Tom reported on an awards presentation he attended at Hofstra University where he also handed out a number of ASHRAE membership applications. It was reported that there are currently 316 members of which 26 are students. C. Lesniak's status has been changed to make him a LI member.

**Student Activities:** **Richard Rosner** – Attended a grand opening of Suffolk Community College's new facilities in Brentwood for their HVAC/R program. It was mentioned that perhaps a field trip to the facility could be planned. Tonight's meeting is a student's activities night. Strategy for planning activities and a possible Student Poster Contest were brought up as well as high school/college visits by speakers from the chapter.

**Chapter Technology Transfer (CTTC):** **Brian Simkins** – Brian was complemented on his wonderful with articles for the newsletter. He will also continue to hand out evaluation forms and suggestions sheets to get feedback on our programs. Brian reported that he had made PAR with over 525 PAOE points to date.

**YEA:** **Charlie Lesniak, Janeth Costa, Andrew Dubel** - Andrew Dubel briefly discussed his attendance at the leadership weekend and will be preparing an article on it. An update on the mentoring program status was presented.

**Golf Outing:** **Steve Friedman, Peter Gerazounis** – The date has been confirmed for May 2<sup>ND</sup>. A rain date will be set up and the deposit still has to be made.

**Open Board Discussion:** The possibility of an ASHRAE/USGBC joint sponsored ½ day event with PDH approved sustainability seminars was discussed and a committee will be formed to investigate it. It was noted that Joe Furman's email address has changed to [jlfurman@fnet.net](mailto:jlfurman@fnet.net).

Having discussed all open issues, the meeting was adjourned at 5:50 PM.

**Richard L. Rosner, P.E.**  
**Chapter Secretary, 2010-2011**



## Research Promotion

I would like to thank the companies who have participated in the annual 2011 Product Directory of Manufacturers and their Representatives.

The Product Directory has been prepared as a service to all its members and as a service to the local HVAC industry. It will be made available to all ASHRAE and non-ASHRAE members at no-cost and can be obtained from our monthly meetings or directly from our web-site.

The Directory is intended to provide better communications between manufacturers and their sales representatives; engineers who specify products; contractors who purchase and install the equipment; and other interested parties. Product Directory listings are not limited to ASHRAE members and the listings are not to be considered as advertising or endorsement by ASHRAE of any product, manufacturer or representative.

This year's overall resource promotion goal is \$2,001,900 with over 75 research projects on board. Our chapter is expected to raise approximately \$12,881 towards the overall goal of which we have already raised \$4,160. I am hoping I can count on the continued support of all of our past contributors who have generously supported us over the years.

I also look forward to gaining the support of new contributors this coming year. Please help support ASHRAE in any way you can.

I would like say 'thank you' to all the contributors listed below whom have already donated to ASHRAE this year:

### INDIVIDUALS

**Mr Andrew B Dubel**  
**Mr Andrew E Manos**  
**Mr Brian C Simkins**  
**Ms Carolyn Arote**  
**Mr Charles J. Lesniak**  
**Mr Evans J Lizardos**  
  
**Ms Janeth Costa**  
**Mr Jerome T Norris**  
**Mr Jerome A Silecchia**

**Mr John D Nally**  
**Mr Michael Gerazounis, PE**  
**Mr Michael O'Rourke**  
**Ms Nancy Roman**  
**Mr Raymond G Schmitt**  
**Mr Richard L Rosner, PE**  
  
**Mr Ronald J Kilcarr, PE**  
**Mr Steven D Friedman, PE,HFDP,LEED AP**  
**Mr Steven R Giammona, PE**  
**Mr Thomas Fields, PE**

### COMPANIES

**Applied Technologies of NY Inc**  
**Chimney Design Solutions Inc**  
**Lizardos Engineering Associates PC**  
**Mason Industries Inc**  
**Rathe Associates**  
**Twincos Supply Corporation**

## 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 Resource 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](http://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**  
**Resource Promotion Chair**

**Mission:** To improve the quality of life and to answer tomorrow's questions through research TODAY.

Over \$2million raised annually to help fund \$10million in research projects and student grant-in-aids.

Research is used to update the Society's standards and guidelines.

Contributions come from more than 6,700 members, non-members, and companies.

100% of all funds raised go directly to research projects that support the HVAC&R industry.

Active research projects are conducted all around the world at various universities and private organizations.

ASHRAE RESEARCH PROMOTION

#### Important Links:

[www.ashrae.org/rp](http://www.ashrae.org/rp)

[www.ashrae.org/contribute\\*](http://www.ashrae.org/contribute*)

[www.ashrae.org/consumer](http://www.ashrae.org/consumer)

[www.ashrae.org/pressroom](http://www.ashrae.org/pressroom)

[www.ashrae.org/research](http://www.ashrae.org/research)

\*ASHRAE is a qualified 501(c)3 and all contributions are tax deductible.

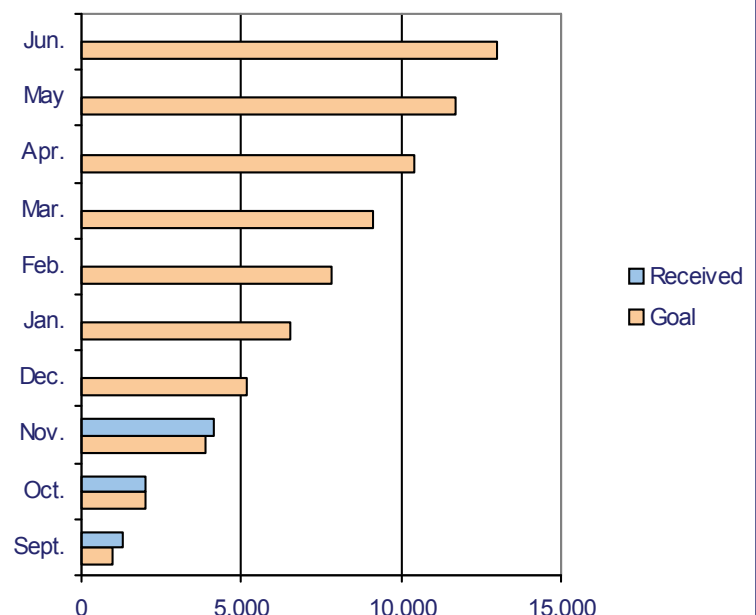
#### Important Contacts:

Patricia Adelman  
RP Manager  
(404)636-8400 ext. 1114  
[PAdelman@ashrae.org](mailto:PAdelman@ashrae.org)

John Rhodes  
RP Committee Chair  
(972)206-2590  
[Gopher56@swbell.net](mailto:Gopher56@swbell.net)

ASHRAE RESEARCH PROMOTION

### Chapter Resource Promotion Goal For 2010-2011 - \$12,881



## CTTC

### Newest Version of Thermal Comfort Standard Provides New Provisions on Elevated Air Speeds

New requirements regarding air speeds, analysis and documentation are included in the newly published ASHRAE thermal comfort standard, ANSI/ASHRAE Standard 55-2010, *Thermal Environmental Conditions for Human Occupancy*.

“The standard continues to focus on defining the range of indoor thermal environmental conditions acceptable to a majority of occupants, while also accommodating an ever increasing variety of design solutions intended to provide comfort and to respect today’s imperative for sustainable buildings,” Stephen Turner, of the Standard 55 Committee, said.

The standard specifies the combinations of indoor thermal environmental factors and personal factors that will produce thermal environmental conditions acceptable to a majority of the occupants within the space.

Standard 55 incorporates recent research innovations such as the use of elevated air speeds to widen the acceptable range of thermal conditions. The standard previously allowed modest increases in operative temperature beyond the Predicted Mean Vote/Percentage of Persons Dissatisfied (PMV/PPD) limits as a function of air speed and turbulence intensity.

The 2010 standard also includes a new method for determining the cooling effect of air movement above 0.15 m/s (30 fpm). This allows ceiling fans, or other means to elevate airspeed, to provide comfort at higher summer temperatures than were previously permissible. New provisions based on field study research allow elevated air speed to broadly offset the need to cool the air in warm conditions, replacing requirements that originated primarily from climate chamber studies.

Another revision makes clearer the mandatory minimum requirements for analysis and documentation of a design to show that it meets the standard’s requirements. In addition, a compliance form for documentation of design is included in an informative appendix. This compliance template mirrors the United States Green Building Council’s LEED® template for the thermal comfort design credit in LEED New Construction-2009, simplifying the LEED credit template for the designer during a project.

The 2010 version of the standard also includes improved and expanded graphics that better guide users of the standard in simple applications. Improvements to the SI and IP versions of the traditional “comfort zone” chart include enlargement, clarification and notes to aid users of the standard.

Standard 55 combines Standard 55-2004 and the 10 approved and published addenda to the 2004 edition into one easy-to-use, consolidated standard.

The cost of Standard 55 is \$69 (\$59, ASHRAE members). To order, contact ASHRAE Customer Service at 1-800-527-4723 (United States and Canada) or 404-636-8400 (worldwide), fax 404-321-5478, or visit [www.ashrae.org/bookstore](http://www.ashrae.org/bookstore).

Don’t forget that the ASHRAE Winter Conference is coming up. Below is some basic information to get you thinking about events and technical programs to go see.

Join ASHRAE in Las Vegas for the 2011 Winter Conference



Continued on Pg. 9



## CTTC (Cont'd. from Page 8)

Las Vegas has a reputation for the grand hotels and the big stars in entertainment. It's no wonder that the world's biggest HVAC&R Expo and the world's largest membership-based HVAC&R society have chosen Las Vegas as the site of the ASHRAE 2011 Winter Conference and AHR Expo®.

Learn more and register today!

**Start:** Monday, January 31, 2011

**End :** Wednesday, February 2, 2011

### Technical Program

The technical program features a wide-range of programs and papers addressing the efficient use of energy, the greening of the industrial base, the real cost of zero-energy design and other topics related to design, standards, codes and professional skills.

The 2011 ASHRAE Winter Conference will feature papers and programs addressing the industry's efforts to achieve zero-energy design. Roughly a quarter of the technical program will feature paper-based sessions, providing a more written record of advances in the industry. The paper-related sessions consist of Technical Papers – a full paper that undergoes a rigorous double-blind review – and Conference Papers – a shorter paper that undergoes a less-rigorous single-blind review.

An interactive technical program is posted online through the Personal Scheduler (please [hot link this](#)). By logging into the Personal Scheduler, you will be able to view the technical program in chronologically, by track and by presenter as well as create and print a personalized abstract booklet and export your schedule to your calendar. In addition, you will be able to add committee meetings and ASHRAE Learning Institute courses to your schedule.

A technical program is available here:   
Preliminary Technical Program

I hope to see everyone at our Holiday Celebration.

**Brian Simkins**  
**CTTC**

### Long Island Chapter - Past Presidents

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

## History

I really enjoyed how the interview went last month so I decided to do another interview for this month's Sounder. I decided to interview Mr. Ray Schmitt of Daikin AC (Americas) Inc. and once again, the interview went extremely well and we both had a great time.



**What made you become an engineer?** My Uncles-they said to me "Raymond you have to learn a trade". I went to Sewanhaka High School to become an Electrician; however, two uncles who were tin-knockers said to me "Raymond, be a doctor, be a lawyer, but don't get into HVAC" and being a rebellious youth - I got into the HVAC industry. I was the first member of my family to go to college.

**Where did you go to school?** SUNY Farmingdale, for my Associates in Air Conditioning Technology where I met my wife, the love of my life, and started to build a good foundation for a great career.

**Q. When did you graduate?** June 1968

**Q. When and where was your first engineering job?** My first job was in 1968 at the then York Division of the Borg Warner Corporation, in York PA. I was in the Research and Development Department working on equipment development teams for their products and with system testing and code compliance.

**Q. What are some of your most memorable projects you worked on?** Master Recessed Systems in Melville, Long Island. I was hired as an outside engineer (moonlighting) by Energy Administration Inc., to design the system. At the time, I was working as a Sales Engineer for a Air Pak Products-a Manufacturers Rep. Naturally, some of my products were specified. When Energy Administration, Inc. hired me as a Project Manager, I supervised that job in the field after I "value engineered" it. I even approved my own submittal data!

My first day as a Project Manager at Energy Administration was a disaster. I had a Large Roof Fan rig at an industrial building. The crane was setting up in the parking lot and the ground gave way under the crane. I jokingly asked the crane operator if he could use the crane to get himself out of the hole- he was not amused and I thought I was going to be fired!

The helicopter lift at the renovation of the Walt Whitman Mall - I was the Project Manager. We had to remove all the old equipment off the roof areas and replace it with new equipment. Prior to the lift, I opened a piece of old equipment on the roof and had a bunch of pigeons flew out of it. The helicopter lift was right after a nor'easter and the weather was still bad but the helicopter pilot said he could do it. The operation was a huge success; I felt both relieved and very proud.

When I was a young engineer at Kool Air Systems I was sent to the Freeport Doctor's hospital to sketch a boiler room. The Facilities Engineer directed me to a boiler room and I sketched it. However, something did not seem right! I went back to the office and explained how there were major dimensional differences that I could not explain. My company brought me back to the hospital (which had two boiler rooms) and directed me to the Boiler Room that I was supposed to sketch...

**Q. What were two of the most interesting projects you worked on?** Corydon Auto-fold in Hauppauge, the building looked like an oversized Taco Bell. They cut trimmed and folded children's paper posters with automated machinery. Most of the paper scraps were sucked up by large fans. The paper scraps fell into a collection pit where they were automatically bailed. The air was directed to the HVAC's return ductwork where it was cleaned with high efficiency filters. Watching this highly automated plant in action system was amazing and the use of the HVAC system to remove the waste paper while keeping the production floor relatively clean.

## History (Cont'd. from Page 10)

Marchon Eyewear in Melville was a great Design-Build job. The Owner, Jeff White, was actively involved in the Design Process. He wanted to provide his employees with pleasant and comfortable working conditions. The interior finishes were fabulous and his state of the art BMS was one his favorite toys. The most interesting part of this industry to me is the people! I enjoy meeting and working with all these wonderful people – even the crazies! It keeps things fun and interesting.

**Q. What ASHRAE positions have you held?** Every Long Island ASHRAE Chapter chair on the way to becoming Chapter President

**Q. When were you the chapter president?** 2001

**Q. What do you think are some of your best accomplishments with ASHRAE?** I instituted Monthly ASHRAE Breakfast Meetings when I was Programs Chair and working at Wales Darby. Brian Darby was very supportive and allowed ASHRAE to hold some of the meetings at the Wales Darby Training Room. The attendance at these breakfast meetings, at times, outdrew the attendance of the Monthly Chapter meetings. These additional meetings enabled the LI Chapter to get additional PAOE points.

**Q. Did you have a mentor?** My former employer, my friend and my mentor-Leo Pertschuk, of Kool Air Systems, KSI Mechanical Contractors, and Energy Administration had a huge influence on my career. He was always available for consultation. One his favorite lines was his incentive plan – you work hard, your work smart...or you're fired! Leo was a very creative professional gentleman who always supported ASHRAE LI Chapter.

**Q. How has this industry changed in your tenure?** Speed! Communications are now instantaneous and people want everything yesterday.

**Q. Which outside influences have made the biggest change on the industry?** Computers and Cell phones... especially the Smart phones! Accurate calculations in minutes instead of hours... the ability to transmit data in seconds rather than days...everything is faster more efficient. There is very little lost business time during travel.

**Q. Which technology has made the biggest change to the industry?** Computers, Building Automation Systems, emphasis on energy efficiency will change design decisions, and the impact of better insulated buildings.

**Q. Where do you see this industry going?** When I came into the HVAC industry, I received a great deal of guidance from caring experienced professionals. Today, many young engineers are forced to learn by a process of trial and error. This industry has gotten faster – it is all about productivity and immediate profitability. We need to invest, by teaching and guiding, in our industry's future – the young design engineers.

**Q. What do you think will be a game changer with the newer technologies?** The “net zero” building design, with new construction materials, will be very interesting and all the new technologies - like VRV , VFD's, Condensing Boilers, Chillers, and Energy Recovery Ventilators, that blend energy efficiency and human comfort. The next generation of Automatic Temperature Control Systems with their effect on Ventilation and Human Comfort will be very interesting as they attempt to make all of the individual pieces of equipment interact effectively and efficiently.

**Q. Any pearls of wisdom to the current engineers out there?** Share information, develop resources, and ask questions! Attack the task at hand. Do not use a “shortcut” unless you understand its derivation. For the older engineers, reach out to the younger engineers and share your wisdom and experience with them. For the younger engineers, seek out the older engineers ask them questions and benefit from their experience. In addition, share your knowledge with them. Apply yourself to this Industry....make it better!

Please remember to send in any old ASHRAE photographs, papers, articles, and speeches of people who have been through the Long Island Chapter of ASHRAE. I would like to upload this information to our chapter's website. Everything sent in will be returned.

**Charlie Lesniak**  
**Chapter Historian**

## Student Activities

### Happy Holidays to everyone!

As the end of the year is approaching rapidly, we tend to look back on what we accomplished this year and make plans for next year. Some good things have happened with student activities so far but unfortunately this has not increased our student membership appreciatively. Perhaps trying to surpass the class act that had this chair last year is a goal that will not be easy to beat or even tie possibly. Never the less sometimes reaching for a high goal brings out some new ideas that pay dividends later rather than sooner. On that note we are pleased to announce that Tom Field visited with the folks at Hofstra University for an awards convocation and was asked to speak about ASHRAE. Hofstra was the recipient of a \$5,000 ASHRAE grant. Suffolk Community College has opened a brand new building in Brentwood to house their HVAC/R program and several ASHRAE members attended the grand opening. This is wonderful news from both of these educational institutions. A huge spread sheet has been created that lists every college in the NY LI area and every High School as well as various trade schools. Links to their web pages have been established and letters and emails have gone to many already with addresses and contacts being added all the time. This formidable task seems like it may span the years of several student activity chairs but once complete will then, and along the way to completion, be a tremendous tool for reaching students, their advisors and teachers.

We have many students in LI ASHRAE already and many of them will be home for winter break soon. Don't forget to let us know if you can sponsor someone for an internship or can maybe spend some time mentoring some of our young people. If you are a student and would like to attend the ASHRAE winter meeting please go to <http://www.ashrae.org/students/page/2739> for more information. Sign up now for the ASHRAE Senior Undergraduate Project Grant Program which provides grants to engineering, technical and architectural schools worldwide with the goal of increasing student knowledge, learning and awareness of the HVAC&R industry through the design and construction of senior projects. Grants are to be used to fund equipment and supplies for senior projects and 2-year technical school projects that focus on ASHRAE-related topics. Grants may cover projects lasting from one academic term up to one year. The electronic submission must be received at ASHRAE Headquarters by **December 15, 2010** so sign up today don't wait another minute! Go to <http://www.ashrae.org/students/page/743> to get your application and learn more information about this wonderful program.

Don't forget the deadline for applications for the Long Island Chapter Scholarships is May 1, 2011. If you need an application email me at [rosner@nassausuffolkea.com](mailto:rosner@nassausuffolkea.com).

The next Student Activities night will be on May 10th. Since some students have school on Tuesday evenings we are also encouraging students to attend our only Wednesday meeting on February 9<sup>th</sup> if you can't make our regular Tuesday night meetings.

Our best to you all for a happy, healthy Holiday season! Please find additional information on the web at the below links:

### Quick Links to Student related topics

[ASHRAE Long Island Links to various Scholarships](#)

[2011 Student Design Competition](#)

[ASHRAE Student Zone](#)

[Careers & Internships](#)

[Senior Undergraduate Project Grants](#)

[Student Activities Educational Resources](#)

[Young Engineers in ASHRAE](#)

[ASHRAE National Scholarships](#)

**Richard L. Rosner, PE**

**Student Activities Committee Chair**

**Anita B. Singh, LEED AP**

**Assistant 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.*



## Young Engineers in ASHRAE (YEA)

### ASHRAE YEA Leadership Weekend



(YEA Leadership weekend participants, 2010)

Recently ASHRAE has started a group within the society for young engineers in ASHRAE. This group is tasked with getting young engineers (anyone under the age of 35) involved at the chapter, and society level. This includes high school and college students who are considering a career in the industry. The society level YEA committee has been holding annual leadership weekend workshops for members in October, I attended the last work shop in Atlanta. The goal of these meetings is to first help develop young leaders in ASHRAE and second to help chapters institute local YEA events.

I arrived in Atlanta Friday afternoon. While waiting for the shuttle I met a few of the other engineers going to the conference. Notably including the "top new face in engineering" from Nova Scotia. The group proved geographically to be diverse with strong Canadian and Texan groups. After we regrouped at the hotel, we had a barbecue to meet each other including ice breakers. The first activity on Saturday was a tour of the ASHRAE headquarters which has recently been renovated with green technologies. Systems included dual enthalpy wheels on 100% OA systems, VRF systems, and ground source heat pumps. Our tour leader was quite surprised when we asked if we could see the equipment on the roof. It seems most of the tour groups are not engineers who actually want to see the roof.

The morning after the tour consisted of a presentation on the various Myers Briggs types. We then took the indicator test and discussed the meaning and useful application of this metric in how we approached others. The afternoon was spent describing characteristics and competencies of outstanding leaders. We expanded on situations that we have experienced discussed how these situation were affected by our degree of understanding different personality types. That evening the group went out for a night of pool, shuffle board, and darts. The final seminar on Sunday before returning was on effective communication skills for leaders.



Continued on Pg. 14



## Young Engineers in ASHRAE (YEA) (Cont'd from Page 13)

(YEA Group Dinner)

The morning before the last seminar was spent discussing YEA. It was a great opportunity to meet with members who were running YEA events to hear about ideas and receive feedback. The Long Island chapter will be starting a number of YEA events in the coming months gleaned from these discussions. We will be having a YEA night which will include a mini presentation before the main dinner presentation to introduced younger engineers to discussion topics which they may not be familiar with. We will also be starting a mentorship program pairing experienced members of the society with up and coming members allowing them gain insight and guidance. Lastly look for the ASHRAE Long Island Facebook page which will host information on upcoming events as well as help to connect members.

If you are interested in attending a YEA leadership weekend, the next opportunity will be the first ever in the west. It will be hosted in Denver Colorado in early April. Look for registration details early 2011.

**Andrew Dubel**  
**YEA Chairman**

## Membership

Take a moment to review your membership status. If your membership is due, the easiest way to renew is at [ashrae.org](http://ashrae.org). Membership also grants you access to the benefits of [ashrae.org](http://ashrae.org), so please register on the website if you have not already done so. Please review your membership grade as well. Many of you may wish to upgrade your membership. Grades are as follows:

**Member** — The grade of Member is awarded to individuals who have twelve or more years of qualified industry-related experience. Credit for industry related experience can be earned from any combination of approved education, work experience and professional registration. **Yearly dues:** \$180

**Associate Member** — The Associate Member grade is awarded to individuals who have less than twelve years of ASHRAE-approved industry experience in the heating, refrigerating, air-conditioning, or ventilating fields. **Yearly dues:** \$180

**Affiliate Member** — ASHRAE's newest grade is an introductory grade for applicants with a general interest in the Society's programs and services. Assignment to this grade is limited to those who are under 30 years of age who are first-time new members. **Yearly dues:** Year 1: \$50, Year 2: \$70, Year 3: \$90

**Student Member** — To qualify as a student member you must be studying or have an interest in an HVAC&R industry-related field. Eligible students must be participating in an approved course of study in a university, college, junior college, or technical institute. **Yearly dues:** \$20

Please note that the yearly dues are Society level only; they do not include local chapter dues.

Our membership goals for this year include retaining our members, increasing YEA (Young Engineers in ASHRAE) and student membership, and increasing participation in our monthly meetings and events. If you know a prospective member, please invite them to our monthly meeting. If you have any questions regarding your membership, please do not hesitate to contact me.

**Thomas Fields, PE, LEED AP**  
**Membership Chairman**

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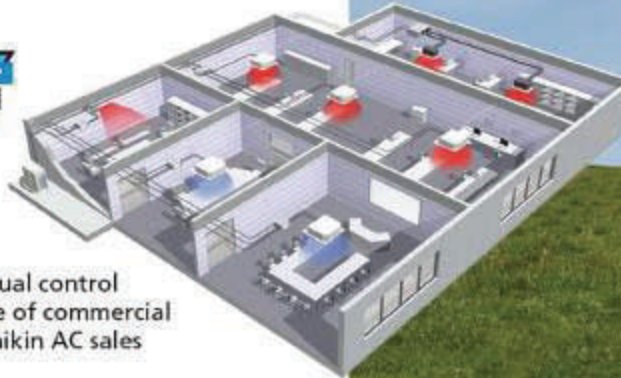


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