



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

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President's Message

Welcome back to another exciting year in our local ASHRAE Long Island Chapter. Thank you to Brian Simkins, Past President for a great year and making this transition easy and rewarding.

When we last left off at our June dinner meeting, we had a delightful evening welcoming back many of our past presidents. We held our installation ceremony of the chapter officers as well as the presentation of the student scholarships. We finished off the evening with an ASHRAE trivia contest where we were happy to see many people leave winners.

Presently we have a great Board of Governors (BOG) that will be working hard towards another successful year. Our President Elect, Rich Rosner will be working on Programs and on Research Promotion, Tom Fields is our Vice President and Historian, our Treasurer and CTTC Chair is Don Kane, Rich Haley will be responsible for Student Activities, Charlie Lesniak is our Financial Secretary and will head up our new chair position of Grassroots Government Activates Committee (GGAC), our Secretary Andrew Dubal and Lee Feigenbaum will be heading up YEA and Membership Chairs.

I would also like to welcome our newest board members Frank Paradiso and Ken Mueller. Frank and Ken will be greeting you at the door for our monthly meetings.

We just finished another Chapter Regional Conference (CRC) that was held in Burlington, Vermont. As you know ASHRAE is about being a leader in education and training. Even our board members go through training for all the positions that are held. This was a 3 day event with jam packed programs from training to motions, and nominations for service awards.

Those honored with awards at the CRC for the Long Island Chapter were;

Brian Simkins - Award of Excellence, High Honor Roll, Special Citation, & Star Award for PAOE
Andrew Manos - Outstanding Performance for Chapter Programs
Richard Rosner - Certificate of Achievement and Full Circle Chevron for Research Promotion
Donald Kane - Award of Excellence for CTTC
Liset Cordero - The Black Ink Award for Newsletter Editor

It was clear how hard our BOG worked last year and was a pleasure to be a part of.



CHAPTER MONTHLY MEETING

| | |
|------------------|--|
| DATE: | Tuesday, September 10, 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.

Call (516) 333-7117

Continued on Pg. 3

Long Island Chapter Officers & Committees

ASHRAE 2013/2014 OFFICERS

| POSITION | NAME | PHONE | FAX | EMAIL |
|---------------------|------------------------------|--------------|--------------|----------------------------------|
| President | Andrew Manos, LEED AP | 631.632.2791 | 631.632.1473 | president@ashraeli.org |
| President-Elect | Richard Rosner, P.E. | 631.737.9170 | 631.737.9171 | president_elect@ashraeli.org |
| Vice President | Thomas Fields, P.E., LEED AP | 212.643.9055 | 212.643.0503 | vice_president@ashraeli.org |
| Financial Secretary | Charles Lesniak, P.E | 516.484.1020 | 516.484.0926 | financial_secretary@ashraeli.org |
| Treasurer | Don Kane, P.E. | 631.737.9170 | 631.737.9171 | treasurer@ashraeli.org |
| Secretary | Andrew B. Dubel, P.E. | 212.967.7651 | 212.967.7654 | secretary@ashraeli.org |
| Board of Governors | Richard Halley | 718.269.3809 | 718.269.3725 | bog1@ashraeli.org |
| Board of Governors | Lee Feigenbaum, LEED AP BD+C | 212.243.2555 | | bog2@ashraeli.org |
| Board of Governors | Brian Simkins, LEED AP | 203.261.8100 | 203.261.1981 | bog3@ashraeli.org |

ASHRAE 2013/2014 COMMITTEES

| COMMITTEE | NAME | PHONE | FAX | EMAIL |
|--|---|------------------------------|------------------------------|-------------------------|
| Programs & Special Events | Richard Rosner, P.E. | 631.737.9170 | 631.737.9171 | programs@ashraeli.org |
| Membership | Lee Feigenbaum, LEED AP BD+C | 212.243.2555 | | membership@ashraeli.org |
| Chapter Technology Transfer (CTTC) | Don Kane, P.E. | 631.737.9170 | 631.737.9171 | cttc@ashraeli.org |
| Grassroots Government Activities Committee | Charles Lesniak, P.E | 516.484.1020 | 516.484.0926 | ggac@ashraeli.org |
| Newsletter Editor | Liset Cordero | 212.643.9055 | 212.643.0503 | editor@ashraeli.org |
| Research Promotion | Richard Rosner, P.E. | 631.737.9170 | 631.737.9171 | rp@ashraeli.org |
| Historian | Thomas Fields, P.E., LEED AP | 212.643.9055 | 212.643.0503 | historian@ashraeli.org |
| Student Activities | Richard Halley | 718.269.3809 | 718.269.3725 | sa@ashraeli.org |
| Young Engineers in Training | Lee Feigenbaum | 212.243.2555 | | yea@ashraeli.org |
| Webmaster | Richard Rosner, P.E. | 631.737.9170 | 631.737.9171 | web@ashraeli.org |
| Nominating | Michael Gerazounis, P.E., LEED AP | 212.643.9055 | 212.643.0503 | nominating@ashraeli.org |
| Reception & Attendance | Frank Paradiso Ken Mueller | 631.632.2791 201.395.3761 | 631.632.1473 763.231.6924 | reception@ashraeli.org |
| PR & Engineering Joint Council of LI | Andrew Manos, LEED AP | 631.632.2791 | 631.632.1473 | pr@ashraeli.org |
| 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 | golf@ashraeli.org |

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President Message (Cont'd. from Pg 1)

Also attending this year's CRC was Bill Bahnfleth, Ph.D., P.E., 2013–14 ASHRAE President. Mr. Bahnfleth presented his Presidential Theme for this year of *Shaping the Next* "Our goals should address, first of all, our world—using our talents and resources for the benefit of the general public, as our governing documents charge us with doing. This is primary. In order to achieve these goals, we must also set goals for ourselves—developing a workforce that is capable of meeting the challenges of the future, and for our work—what we do, how we do it, and with whom."

This will be an exciting year for the Long Island Chapter as the BOG has a lot of energy and there are many great ideas and activities being planned. We look forward to growing our membership and meeting attendance. I believe we have much to offer our members such as our professional development hours, networking opportunities and great programs that help inform us with the latest advances in our industry.

If you have any ideas or comments please feel free to contact myself or other board members and you are always welcome to get involved and join a committee, we are always looking for volunteers to help support the mission of being problem solvers.

See you in September!

Andrew Manos, LEED AP
President - Long Island Chapter

Long Island Chapter - Past Presidents

| | | | |
|------|-----------------------------|------|------------------------------------|
| 1958 | H. Campbell, Jr. PE | 1986 | Jerome T. Norris, PE |
| 1959 | Clyde Alston, PE | 1987 | Abe Rubenstein, PE |
| 1960 | Sidney Walzer, PE | 1988 | Michael O'Rourke |
| 1961 | Sidney Gayle | 1989 | Mel Deimel |
| 1962 | William Kane | 1990 | Robert Rabell |
| 1963 | Louis Bloom | 1991 | Gerald Berman |
| 1964 | Milton Maxwell | 1992 | Donald Stahl |
| 1965 | Will Reichenback | 1993 | Ronald Kilcarr |
| 1966 | Joseph Minton, PE | 1994 | Jerald Griliches |
| 1967 | Irwin Miller | 1995 | Walter Stark |
| 1968 | Walter Gilroy | 1996 | Joe Marino |
| 1969 | Charles Henry | 1997 | Norm Maxwell, PE |
| 1970 | William Wright | 1998 | Alan Goerke, PE |
| 1971 | Louis Lenz | 1999 | Frank Morgigno |
| 1972 | Ronald Levine | 2000 | Michael Gerazounis, PE, LEED AP |
| 1973 | Henry Schulman | 2001 | Ray Schmitt |
| 1974 | Myron Goldberg | 2002 | Steven M. Stein, PE |
| 1975 | John N. Haarhaus | 2003 | Andrew Braum, PE |
| 1976 | Richard K. Ennis | 2004 | Claudio Darras, P.E. |
| 1977 | Kenneth A. Graff | 2005 | Craig D. Marshall, P.E. |
| 1978 | Evans Lizardos, PE, LEED AP | 2006 | John Nally |
| 1979 | Albert Edelstein | 2007 | Peter Gerazounis, PE, LEED AP |
| 1980 | Ralph Butler | 2008 | Steven Friedman, PE, HFDP, LEED AP |
| 1981 | Robert Rose, PE | 2009 | Steven Giammona, P.E., LEED AP |
| 1982 | Timothy Murphy, PE | 2010 | Nancy Román |
| 1983 | Leon Taub, PE | 2011 | Carolyn Arote |
| 1984 | Raymond Combs | 2012 | Brian Simkins, LEED AP |
| 1985 | Edward W. Hoffmann | | |



PAOE FINAL POINTS TOTALS FOR 2012/2013

| Chapter Members | Membership Promotion | Student Activities | Research Promotion | History | Chapter Operations | CTTC | Chapter PAOE Totals |
|-----------------|----------------------|--------------------|--------------------|---------|--------------------|-------|---------------------|
| 301 | 1,215 | 795 | 1,794 | 425 | 1,470 | 1,650 | 7,349 |

Chapter Monthly Meeting - Program for 2013/2014

| | |
|---|---|
| <p>September 10, 2013 * At Westbury Manor</p> <p>Dinner Presentation – Characteristics of Throw (Overhead Air Distribution Fundamentals) Presenter: ADE - Frank Bergamini **1 PDH**</p> <p>Membership Promotion Night</p> | <p>February 2014</p> <p>NATIONAL ENGINEERS WEEK Feb 16 through Feb 22</p> |
| <p>October 8, 2013 * At Westbury Manor</p> <p>Dinner Presentation—Optimizing Efficiency of Multiple Hydronic Boiler Systems Presenter: Joel Southwell **1 PDH**</p> <p>Resource Promotion Night</p> <p><i>Back to Basic Session I - Evans Lizardos **1 PDH**</i> <i>"How to Select & Specify Heating & Cooling Coils"</i></p> | <p>March 11, 2014 * At Westbury Manor</p> <p>Dinner Presentation—GeoThermal Systems – Design and Installation Considerations Presenter: Ray Schmitt and Panel **1 PDH**</p> <p>Joint meeting with LI-Geo YEA Night</p> <p><i>Back to Basic Session III – Evans Lizardos **1 PDH**</i> <i>"Design & Theory of dedicated Outside Air Systems for Humidity Control"</i></p> |
| <p>November 12, 2013 * At Westbury Manor</p> <p>Dinner Presentation-- TBA Presenter: TBA **1 PDH**</p> <p>Joint meeting with SMACNA Student Activities Night & YEA Night as well as Membership Promotion and Upgrade Night</p> | <p>April 8, 2014 (5 PM)</p> <p>ANNUAL FIELD TRIP Long Beach Ice Skating Rink – See the refrigeration system and hear about the storm damage and recovery. **1 PDH**</p> <p>Dinner to follow at a local Restaurant with a "Sandy" story Joint meeting with RSES</p> |
| <p>December 10, 2013 * At Westbury Manor</p> <p>HOLIDAY PARTY Free Buffet Dinner for Members</p> | <p>May 5th, 2014 * Cherry Valley Club, Garden City, NY</p> <p>ANNUAL GOLF OUTING</p> |
| <p>January 14, 2014 * At Westbury Manor</p> <p>Dinner Presentation- TBA Presenter: TBA **1 PDH**</p> <p><i>Back to Basic Session II - Evans Lizardos **1 PDH**</i> <i>"Design of Variable Air Volume Systems"</i></p> | <p>May 13th, 2014 * At Westbury Manor</p> <p>Dinner Presentation—Introduction to Ammonia Refrigeration Systems Presenter: Douglas T. Reindl, Ph.D., P.E. **1 PDH**</p> <p>ASHRAE DISTINGUISHED LECTURER</p> <p>Student Activities Night Refrigeration Night</p> |
| <p>January 2014</p> <p>ASHRAE Winter Meeting Jan 18-22 New York Hilton 1335 Avenue of the Americas New York, NY</p> | <p>June 10, 2014 * At Westbury Manor</p> <p>Free Buffet Dinner for Members</p> <p>PAST PRESIDENTS NIGHT & OFFICER INSTALLATION STUDENT SCHOLARSHIPS TO BE AWARDED ASHRAE History Quiz and prize Give-A-Ways</p> |
| <p>February 11, 2014 * At Westbury Manor</p> <p>Dinner Presentation—TBA Presenter: TBA **1 PDH**</p> <p>Joint Meeting with USGBC Resource Promotion Night Membership Promotion Night</p> | <p>August 2014</p> <p>Chapter Regional Conference (CRC) Region I Bi-State Chapter Hosting August 14-16, 2014</p> |

Board of Governors Meeting Minutes (June 11, 2013)

Attendees: Brian Simkins – President; Andy Manos – President Elect; Rich Rosner - V. Pres; Tom Fields – Financial Secretary; Charles Lesniak –Treasurer; Don Kane – Secretary; Andrew DuBel –BOG; Richard Halley – BOG; Carolyn Arote – BOG/Past President; Lee Feigenbaum

The meeting was called to order by Brian Simkins at 5:00 PM at Westbury Manor.

Secretary Don Kane noted that there were no corrections or changes to the minutes as published in the May *Sounder*. Minutes were approved as published.

President Brian Simkins asked that all BOG members who have not updated PAOE points and/or provided final MBO report to do so promptly. He reminded all who are attending the CRC (August 15-17, Burlington, Vt.) to make their reservations soon. The annual “turnover” meeting will be held July 9, 2013, starting at 6:00PM. The venue is to be determined. Brian noted that any materials to be passed along to the incoming officers, chairs etc. should be brought to this meeting.

President-Elect/Programs Andy Manos, reported that the gifts for the Chapter Trivia Questions had been procured. Andy reminded all that the Chapter fishing trip is set for June 14th, leaving from Captree Boat Basin on the Dixie II. Be there no later than 2:30pm.

Chapter Technology Transfer Don Kane reported that CTTC PAOE points have been updated. He noted that although RVC Alex Weiss indicated that there is nothing prohibiting the same person from chairing CTTC and GGAC committees, practically speaking, it would be advantageous to have individual chairs.

Treasurer Charles Lesniak reported that the current bank balance is \$13,236.08

Historian Tom Fields noted that History scans are continuing. He has the chapter trivia questions for tonight’s meeting.

Research Promotion Richard Rosner reported that the RP goal has been attained. The contributions from those companies which match employee contributions should be received by the end of June. There will be no 50/50 drawing at tonight’s meeting.

Membership Promotion Charlie Lesniak reported that the PAOE points will be updated shortly.

Student Activities Richard Halley reported that all of the Chapter scholarship winners; Patrick Montalto, Nicholas Panzarino, and Nicolas Hernandez will be attending tonight’s meeting to receive their awards. Richard noted that he had accomplished his MBO goals. Hofstra has a new liaison for ASHRAE activities.

YEA Andrew DuBel reported that, as previously noted by Andy Manos, the Chapter/YEA fishing trip will take place June 14th, leaving out of Captree on the Dixie II. All are welcome, reservations and prepayment is required.

Web Master Tom Fields and Rich Rosner are transitioning the web activities to the ASHRAE National site.

Golf We are awaiting the final tally and the invoice from Cherry Valley.

Honors and Awards – Carolyn Arote noted that the 50 year service award is handled by ASHRAE National, based upon their membership records, and is awarded the year following the 50th year of service. Other potential chapter award candidates were shy a few points of the necessary score to submit for consideration.

Old Business Andy Dubel reported that the commercial mailbox services did not seem to offer what the Chapter needed. Don Kane will follow up with USPS prior to September to obtain a Chapter post office box.

New Business Ken Mueller and James Hanna have expressed interest in becoming active on the BOG. Andy Manos will follow up.

Time/Place of next BOG Meeting (Turnover Meeting) – will be July 9, 2013 at 6:00pm. Venue to be determined.

The meeting was adjourned at 5:45 PM

Donald W. Kane, P.E.
Chapter Secretary

September Program



Dinner Presentation

“Characteristics of Throw – Overhead Air Distribution Fundamentals ”

Presented by

Frank Bergamini
Vice President
A.D.E. Group

**Attendees
 Will Earn
 1 PDH!**

| | | | |
|---------------------------|--|-------------|---|
| DATE: | SEPTEMBER 10, 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 go over the basics of room air distribution including system goals, occupant comfort goals, comfort guidelines and comfort equations. It will also cover grilles, registers and diffusers including their definitions, types and their applications. Finally, the course will provide an understanding of the different air patterns including high sidewall grilles, ceiling (radial, cross and star), plenum slot diffusers and exposed duct patterns. Attendees will receive 1 PDH. | | |
| About our Speaker: | Frank Bergamini is a Vice President and Engineering / Architectural consultant for A.D.E. Group. He is actively involved in supporting engineers and architects to ensure the proper application and selection for air distribution devices. He has over 40 years of experience in the field of HVAC design and sales engineering. Mr. Bergamini holds an Associate of Science Degree from Westchester Community College and completed (4) four years of Mechanics Institute and Trane Clinic (Principles of Air Conditioning). | | |

CHAPTER MAY NOT ACT FOR SOCIETY

An International Organization

Research Promotion

It's Rich Rosner and I am back as the Research Promotion Chairman for ASHRAE LI for this year. Our first event this year will be at the October meeting when I get to thank you all for your help in making our goal last year. I attended the CRC in Vermont and accepted two awards for the chapter for hitting two goals. I hope to do even better this year and have several things planned out.



The product directory for our chapter has worked out extremely well for all and continues to be our leading fund raiser. The Product Directory was prepared as a service to all members and as a service to the local HVAC industry. It is made available to all ASHRAE and non-ASHRAE members at no-cost and can be obtained at 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. Remember the listings are not to be considered as advertising or endorsement by ASHRAE of any product, manufacturer or representative. This year's Directory should be published by January, barring any storms of the century or worse. We seem to have a LI Lighthouse theme going for the front cover showing the Montauk, Fire Island and Old Field Light houses so far. If you would like to submit your pictures of one of the other LI Lighthouses we will certainly consider them.

I haven't been given the goal for this year yet but should know by next month. Please help support ASHRAE in any way you can. We are looking for companies to host product showcases at our monthly meetings where the donations help to offset cocktail hour and dinner costs. Please see me at any meeting or call me to discuss your showcase.

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

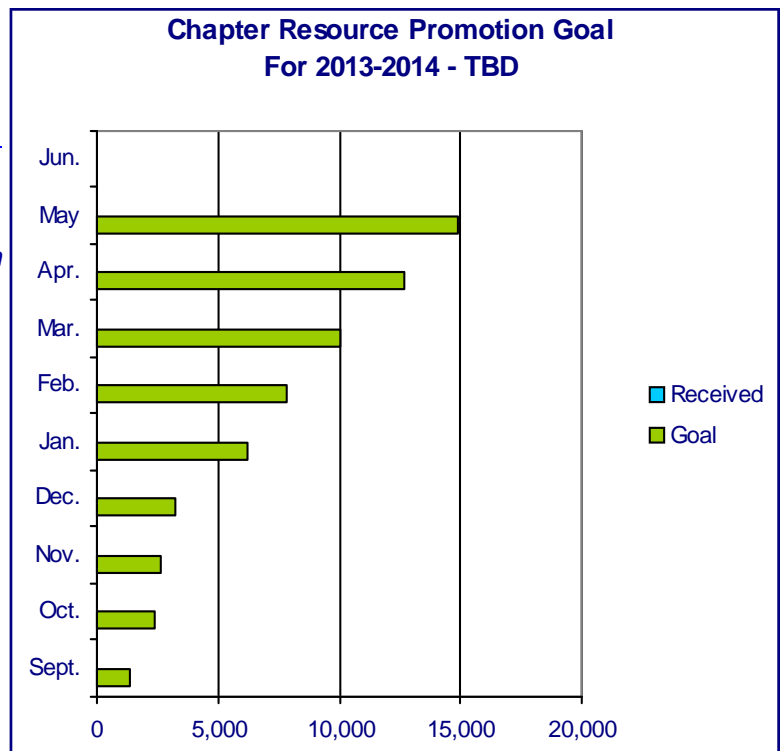
- 2) You can bring your check to any of the meetings and give it to me. I will mail it into headquarters.

- 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 your accredit your contribution to the LONG ISLAND CHAPTER 006 ***

Thank you again for all your support!

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



Research Promotion (Cont'd. from Page 7)

I would be remiss if I didn't thank all the contributors listed below whom have donated to ASHRAE this past year:

INDIVIDUALS

Mr John D Nally
 Mr Roy Gustafson
 Mr Donald W. Kane, PE
 Mr Brian C Simkins
 Mr Andrew B Dubel
 Mr Jerome T Norris
 Mr Ricky Gaska
 Ms Carolyn Arote
 Mr Andrew E Manos
 Mr Ronald J Kilcarr, PE
 Mr Charles J. Lesniak, PE
 Mr Richard L Rosner, PE
 Mr Raymond G Schmitt
 Mr Thomas Fields, PE
 Mr Richard I Halley
 Mr David Robert Jendras
 Mr Paul Freeman
 Mr Richard J Pearson, PE
 Mr Anthony J Rosasco, Sr
 Mr Alan J Goerke, PE
 Mr Frank D Morgigno
 Mr Marcel A Bally
 Mr Carl E Graber, PE
 Mr Steven R Giammona, PE
 Mr Jerome A Silecchia
 Mr Evans J Lizardos
 Mr Peter Gerazounis, PE
 Mr Raj Prime
 Mr Gerard J Brannigan
 Mr Jerome A Silecchia
 Mr Kevin Beirne
 Mr John E Lizardos
 Mr Mordechai Chetrit
 Mr Michael Gerazounis, PE

COMPANIES

Twinco Supply Corporation
 Long Island ASHRAE Chapter
 ASAP Sales
 Brandon Associates
 Lizardos Engineering Associates PC
 Dagher Engineering PLLC
 SRS Enterprises Inc
 Applied Technologies of NY Inc
 Building Cooling Systems
 Wallace Eannace Associates
 Rathe Associates
 RPG Associates
 Metro Air Products
 Technical Air Systems Incorporated
 Bush Wholesalers
 M V Controls
 Bush Wholesalers
 County Fair Air Conditioning Corp
 Bladykas Engineering P C
 EMTEC Consultants Professional Eng
 SMACNA - Long Island
 KLIMA New York
 New York Thermal Systems, LLC
 Mason East Inc.
 J-Mar Controls
 Gil-Bar Industries Inc
 Environmental Air Quality
 Mitsubishi Electric & Electronics USA
 Inc
 KLIMA New York
 Albert Weiss Air Conditioning Products
 Platsky
 Wales Darby Incorporated
 Chimney Design Solutions Inc

Long Island ASHRAE Chapter
 Carrier Corporation - United Technologies
 Siemens Building Technologies - Long Island
 A D E Systems Inc
 Trane
 McQuay New York LLC
 Ga Fleet Associates Inc
 Trane Matching Fund

CTTC - Sunsets, Classic Boats and Lomcevaks - CTTC and the CRC

Welcome back to all. A new ASHRAE "season" is upon us, after surviving one of the hotter summer spells that we have experienced in a while (certainly a good thing for many of our members), making us better appreciate the technology which we design, install, maintain and/or attempt to make more efficient.

In this monthly column, we generally pursue the mission of the Chapter Technology Transfer Committee (CTTC). Having just returned from the Chapter Regional Conference where I attended the CTTC Workshop, during which Mark Cambria (pinch-hitting for Alex Weiss) explained the various responsibilities which the CTTC is tasked with, it seems appropriate to note the high points of the CRC and briefly review what the CTTC does for the Chapter and, more importantly, what the Chapter membership can do to support the mission of CTTC.



While the monthly column in the *Sounder* is, perhaps, the most visible "product" of the CTTC, other responsibilities include; coordinating with the Program Chair to arrange for Distinguished Lecturers, coordinating refrigeration activities (especially field trips and meeting presentations), and keeping track of member achievement of ASHRAE certifications, activity in Technical Committees (TC), Task Groups (TG) and/or Standards Project Committees (SPC). The government relations activities formerly under the aegis of CTTC have now been split off and will be the bailiwick of the Grassroots Government Activity Committee (GGAC).

CTTC also submits candidate projects for ASHRAE technical awards, and all who feel that they may have a worthy project are encouraged to contact me (cttc@ashraeli.org). Those individuals who have attained one of the ASHRAE Certifications should also let us know so you may receive the proper recognition. Those who have not pursued one of these certifications are urged to consider doing so.

It should be noted that while yours truly was attending the CTTC workshop at the CRC, other chapter officers and committee chairs were attending workshops on; Research Promotion, History, Electronic Communication, Young Engineers in ASHRAE (YEA), and Membership promotion. The CRC is always an informative and constructive event and this year kudos to the Champlain Valley Chapter for a well organized event, set in lovely Burlington, Vermont. The sunsets over the lake, alone, were worth the trip. I'm not sure how they arranged for such beautiful weather, but in a few years, when our chapter is hosting the CRC, I think we will have to read their playbook. Coincident with the CRC was a Maritime Festival on Lake Champlain, featuring the largest collection of functional wood boats I have seen in a long time. While some would argue that they are dinosaurs in the nautical world, one cannot but marvel at how they represent a technology that was built to last, if not forever, a long time. Not unlike the old GE Globe Top/Monitor top refrigerators, built in the 1930's, which one still finds operating today (not that we necessarily want to have appliances using sulphur dioxide or methyl formate in every kitchen today...but the fact that they are still functioning ...and, in most cases, haven't lost significant refrigerant...is notable).

Included in the CRC program was an informative tour of the George D. Aiken Center at the nearby University of Vermont campus, where a "green" rehabilitation was effected including the use of solar photovoltaic cells and an "Eco-Machine" which uses natural wastewater treatment techniques, employing plant life, to process the waste water from the building and reuse it for flushing toilets. Due to the thermal mass of the holding tanks in the Eco-Machine area, and the use of thermostatically controlled vent windows, the heating/cooling load for this area of the building is reduced. Improvements to the efficacy of the building's climate control system were also achieved by adding or re-orienting windows to provide sunlight where it was most beneficial.

After slaking our thirst and sating our appetites during Friday evening's Presidential Dinner (and viewing one of the spectacular sunsets mentioned earlier) we were treated to a talk by current ASHRAE President, William P. Bahnfleth, PH.D., PE, who spoke about his theme of "Shaping the Next"; whereby our actions in the present can, if properly directed, shape the future and achieve one's vision. He noted that to serve the public good we must address; basic needs/quality of life, environmental stewardship and the serving of all communities. The need to support the needs of developing areas was stressed as much of the future growth in the refrigeration and comfort cooling will occur in these areas. The tendency for engineers to seek perfection rather than adequacy was touched upon. This should not be used as an excuse to exercise less than due diligence but, rather, a mandate to accurately define what the "next" is that we are trying to shape and what the current step to get there is. Once that is done, and that step is achieved, it is time to progress to the next step. In a previous life, I had the good fortune to participate in the IEEE Rail Transit Vehicle Interface Standards Committee. The founding chair of that committee, Tom McGean, whenever he sensed that progress was being thwarted by the search for unneeded perfection would remind us... "better is the enemy of good". Keep this in mind when you are defin-

Continued on Pg. 10

CTTC (Cont'd. from Page 9)

ing what it is that you need to achieve. Once that goal is achieved, move on. Certainly there ARE cases where near perfect solutions are needed, for example health care facilities. During a break in the CRC activities, we observed the aerobic performance staged over the lake. Watching the pilot execute flawless Lomcevaks one realized that he was not just shooting for "good enough". We must keep that in mind as we are defining our steps to the future. The process of definition must take into account the context of the problem being solved. We live in a world of high tech, but much of the world that is in need of improvement in comfort and air quality does not have the ability to support that level of technology nor, in many cases, the power infrastructure to keep it operational. What good will it be to provide the latest chiller equipment if the power grid is only functional for 8 hours of the day? When we are "shaping the next" it shouldn't necessarily be the "next" that we are familiar with, but, rather, that which is most suitable for the locality. We have spoken in this column before about such concepts as biomimicry, building structures in which the climate is controlled by the same or similar methods used by, for example, the African termite, which use selectable passageways permitting natural airflow. Employing these techniques in buildings will minimize the required power. These are the areas of technology which will pay dividends in the developing areas of the world. This is not to suggest that we should adopt a Luddite mentality. There are plenty of localities where technology is useful and useable. This is all part of the accurate definition of your "next". Don't let the process overshadow the goal. Shortly after returning from the CRC, I noted an article reporting on the results of New York City's energy audit program. It showed that the new 7 World Trade Center Tower, a LEED Gold building only achieved an (EPA) Energy Star rating of 74, compared with the Chrysler Building and Empire State Buildings (significantly older) which achieved Energy Star Ratings of 84 and 80 respectively! Does this mean that the LEED rating is inaccurate? No. It merely means that it is a relative metric, not an absolute. Much the same as the EPA MPG figures for automobiles. Does anyone really think that all drivers will achieve the same numbers as the EPA does, when using the vehicles in real world conditions? Of course not. The person who buys a Prius so he can slap a Clean Vehicle Sticker on to gain admittance to the HOV lanes, and then proceeds to tear up the tarmac at 90 mph, is not going to realize anywhere near the EPA rating. If the people who manage and maintain LEED rated buildings do not properly operate and maintain the building systems, they will not achieve the performance potential. To realize the performance potential requires detailed commissioning (beginning in the design stages so a metric for compliance may be established, measured and analyzed) and maintenance. Something as mundane as the use of substandard filters or allowing occupants to block off diffusers in workspaces, if carried to the extreme, can negate the best of designs. The LEED Rating system should be a tool to achieve the goal, not the goal in itself. More coordination is required between disciplines during design, construction and commissioning. Further, it will be increasingly important to become familiar with other standards which, in many cases, can be referenced rather than reinventing the wheel. As we get involved on a global basis, shaping the international "next", a need for familiarity with international standards and codes will quite likely be necessary.

So, how do we achieve these goals for the common good? How do we progress and take ownership of the Presidential Theme? Participation. Our membership is our most valuable resource. Join a Technical Committee, Task Group or Standards committee; participate on a Chapter level with CTTC, Resource Promotion and Membership Promotion. It was noted at the CRC that there has been an increase in the YEA membership. This is a healthy sign for an organization, where new members are the lifeblood. Encourage new members, especially YEA, to become involved in the different technical aspects of ASHRAE.

Again, welcome back to another ASHRAE "season". All of the Board of Governors (BOG) and committee chairs welcome all input and ideas that you have to assist in getting the technology to the members.

Don Kane, P.E.
CTTC Chair
cttc@ashraeli.org

Membership

In my first monthly newsletter as your MP chair, I'd like to focus on the growth we've enjoyed over the past two months. A strong membership base is the backbone of ASHRAE. Our existing members have made generous investments of their time and expertise to help ASHRAE build momentum in shaping the HVAC industry while staying strong and relevant in the Long Island/ New York City area. As we look to the future, it is up to our new members to maintain and build upon that momentum.

In the past few months I've been fortunate to travel to several ASHRAE events which included YEA Leadership Weekend, Centralized Training, and the Regional CRC. Through all of this training, I learned that ASHRAE is *NOT* just for engineers! It takes a diverse group of people with skills in many different areas to facilitate the successful implementation and execution of HVAC systems.

To that end, our newest members have backgrounds in logistics, energy management, consulting, and academia. More than half are also new members of Young Engineers in ASHRAE. I'd like to extend a warm welcome to our newest members (alphabetical order):

| | |
|----------------------|-------------------|
| Murat Bayramoglu | Brendan Maelia |
| David Burghardt | Joshua Meyerowitz |
| Christopher Catalano | Matthew Munoz |
| Jared Hager | |



Please join me in welcoming our newest members to the Long Island chapter at our next monthly meeting at Westbury Manor. While it is a pleasure to welcome these new members, it is equally important to retain the talented people that have already invested so much of their time into ASHRAE. Please check back next month where I will discuss the importance of uninterrupted membership and congratulate our most recent renewals. Do you have a testimonial about the benefits of ASHRAE that you'd like to share? If so, then please forward it to me at LFeigenbaum@PJMechanical.com

Cheers!

Lee Feigenbaum, LEED AP BD+C
Membership Chairman

History

Hello members, as we are all aging in our own unique ways which probably means we have lived through and observed much advancement in our field. We often tell people we think much the same now as we did when we were young but just say NO a little more. Instead of slowing down the older we get, it seems that the years behind us make us now come to decisions faster and more accurately.

Why do we study history? The study of history honors the people, accomplishments of the past and guides us to learn from the mistakes as well as the successes. They say history tends to repeat itself, would you expect our field to be any different? Do you ever think about how what is happening today will be perceived in tomorrow's history? Will the numbers we use today like watts per sq ft for lighting loads; BTU's per sq ft etc. seem ridiculously high at a later date? Will the now high efficiency equipment we use today be outlawed as low efficiency at a later date? When, if ever, will fossil fuels not be used for heating/cooling/generation etc?

How much smoother things would be if we knew where we were heading and when. Forecasting the future is hard but some things are inevitable and we should plan for them. We should not use the excuse we did not know or nobody told us when we should be able to read the writing on the wall from our studies of the past.

We will be exploring the time line of our industry in this column over the next year. We will interview some of our members and get their thoughts and will take suggestions for topics. Please feel free to contact us at anytime to pass on your wisdom. As all other historians have asked, if you have some old photographs or other chapter memorabilia please pass it on for copying or making part of our historical collection. Do you know how reading and memorizing the History column in each month's flier will get you one or more bottles of wine at the June meeting? Study your history and see. We hope to see you at the meeting.

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



Student Activities

Summer is quickly coming to an end and Schools are getting back in session.

With the start of the new school year it's time to get learning back in high gear. This time of year always brings new opportunities for our Students and I look forward to helping introduce ASHRAE to as many as possible. This starts my second year as the student activities chair and my plan is to pick up right where I left off. I'm in the process of scheduling meeting at all the local schools and as always I am asking for your ideas and assistance in making this a successful year. Please contact me with your thoughts or see me at the monthly meeting and we can review.

We will have two Student Activities Nights one in November and one in February. Let's get started on this early to get as many new faces at our meeting as possible. We have an excellent lecture schedule this year so I expect a great turn out.

Student Membership--Student Members are sponsored by full-grade Members or Associate Members. The student must be studying or have an interest in an HVAC&R industry-related field. A student eligible for ASHRAE student membership is a person matriculated in an approved course of study in a university, college, junior college, or technical institute, who is being educated in the arts and sciences covered by the Society's objectives. Student ASHRAE Membership

The Student Zone--The Student Zone web page offers valuable career and educational resources for ASHRAE Student Members. Please visit: <http://www.ashrae.org/students/> for more information on all the Student ASHRAE activities and opportunities.

Richard Halley
Student Activities Committee Chair

Young Engineers in ASHRAE (YEA)

Q: Knock, Knock
A: Who's there?
Q: ASHRAE Member under 35.
A: Good! You're in Y.E.A!

Young Engineers in ASHRAE is a committee of ASHRAE Members 35 years of age and younger who are dedicated to the future of the Society, the Long Island Chapter, and the industry. In addition, YEA can be an important part of a promising career.

YEA offers our youngest members:

1. Technical Programs tailored to meet your needs. Studying for the PE or LEED exam? YEA has a study group for you!
2. Leadership opportunities and training at exciting locations throughout the world. The last YEA International event was in Sri Lanka, and the upcoming event is in Dubai this October. While the event for 2013 is closed, the 2014 event will be here soon!
3. Networking opportunities with local experts in a variety of HVAC related industries.
4. Mentorship opportunities. If you'd like to be added to the Long Island Chapter's list of mentors please contact us at membership@ashraeli.org.
5. FUN through social opportunities! Bring a friend to the first YEA event of the year at Brooklyn Brewery.

In addition there will be excellent opportunities to get involved with YEA by sponsoring events. Check back next month where we will announce official dates and times.

As your YEA chair I encourage you to take advantage of all the resources that ASHRAE has to offer. Contact membership@ashraeli.org to learn about opportunities in YEA today.

Cheers!

Lee Feigenbaum
YEA Chairman



CRC 2013 Pictures



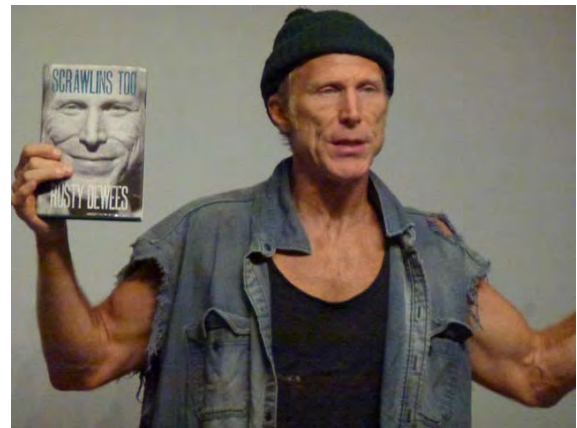
CRC 2013 Pictures



CRC 2013 Pictures



CRC 2013 Pictures



NYSERDA / ARC Webinar - September 9, 2013**NYSERDA / ARC Webinar**

Dear New York ASHRAE Member:

DOE is conducting a webinar through the Better Building Alliance (BBA). The webinar is being presented primarily for NYSERDA customers interested in upgrading or replacing their roof top units. It may also be of interest to consultants wanting to promote additional services. Below is a quick overview that includes links to DOE's Advanced RTU campaign and the webinar registration.

NYSERDA / ARC Webinar

Title: Overview of the Advanced RTU Campaign with NYSERDA for Customers and Contractors

Date: September 9, 2013

Time: 9:30 to 10:30am EDT

Presenters: Michael Deru (DOE); Ed Smyth (KEMA)

Overview: Older, inefficient commercial HVAC rooftop unit (RTU) air conditioning systems are common and can significantly waste a building's energy costs. By replacing or retrofitting them, you can save money, improve your energy efficiency, make your building more comfortable, and help the environment. The Advanced RTU Campaign (ARC) encourages commercial building owners and operators to replace their old RTUs with more efficient units or to retrofit their RTUs with advanced controls in order to take advantage of these benefits. NYSERDA is a supporting partner in the campaign, in collaboration with the lead organizers, ASHRAE, the Retail Industry Leaders Association (RILA), and the U.S. Department of Energy (DOE) Better Buildings Alliance. [Visit the Advanced RTU page here to learn more.](#)

This webinar is an introduction to the Advanced RTU Campaign and a review of tools available to NYSERDA customers to evaluate and implement high efficiency RTU technology. We will provide information on the energy and cost savings potential, benefits of joining the campaign, how to join, and what participants can expect from the campaign. The webinar also feature information on programs and incentives available to NYSERDA customers to help them make these investments in their buildings.

Target Audience: Contractors, building owners and operators, property managers, facility engineers

[Register here.](#)

EJCLI Networking Event and Seminar Notice - Tuesday, September 17, 2013



Engineers Joint Committee of Long Island

*Anthony Cacioppo, P.E., Co-Chair
Paul Lanzilotta, PE, Co-Chair*

NETWORKING EVENING with DINNER and ETHICS SEMINAR

Tuesday, September 17, 2013

Place: Dave & Busters • 261 Airport Plaza Blvd., Farmingdale, NY (631) 249-0708
www.daveandbusters.com

Program: 6:00pm – 7:30pm Networking and Dinner
7:30pm – 9:00pm Seminar (1.5 PDH)
9:00pm – 10:00pm Cash Bar and Networking

Seminar Description: Doing Business with Government; transparency, conflicts of interest, business professional/personal relationships, supporting politicians.

Speaker: *Steven G. Leventhal, Esq.*, a partner with Leventhal, Cursio, Mullaney, and Sliney, LLP. Mr. Leventhal is an attorney and a CPA, with extensive experience in professional ethics. Mr. Leventhal has lectured and written extensively on the subjects of government, legal and corporate ethics. He is the former chair of the Nassau County Board of Ethics and is currently the Board's legal counsel.

This seminar is approved for the Ethics Seminar requirement by New York State.

To register, complete and submit this form and payment by September 13, 2013 to:
Andrew S. Haimes, PE, F.NSPE, 172 Sherry St, East Islip, NY 11730. Phone: 631-859-5190.
Email questions to: ashaimes@optonline.net

Fee: \$25 (includes Dinner and Seminar)

Make check payable to: Engineers Joint Committee of LI (credit cards can not be accepted)

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Farmingdale State University
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Hofstra University
Instrument Society of America
American Society for Engineering Education
American Society for Quality

ASHRAE Learning Institute - Friday, September 27, 2013

New Opportunity for Professional Development from ASHRAE at IDEX Canada



In conjunction with IDEX Canada, ASHRAE is offering the *Fundamental Requirements of Standard 62.1-2010* training course on Friday, September 27, 2013 in Toronto. This half-day, instructor-led training course offers real-world applications based on the standard's requirements.

Fundamental Requirements of Standard 62.1-2010 (Course F19)

Course Summary

This introductory course focuses on the basic requirements of *ASHRAE/ANSI Standard 62.1-2010, Ventilation for Acceptable Indoor Air Quality*. The course covers the scope, applications and multiple compliance paths available in the standard. Ventilation rate procedure, indoor air quality procedure and natural ventilation procedure are discussed.

Many of the Standard's general requirements apply regardless of the procedure used. In the 2010 version, the IAQ procedure is rewritten and the natural ventilation procedure is updated. Different application conditions for the ventilation rate procedure are also described.

Date:

Friday, September 27, 2013

Time:

1:00 p.m. – 4:00 p.m.

Registration Fee:

Includes FREE access to the Expo

CAD \$125 (by September 12th)

CAD \$135 (after September 12th)

Location:

The Direct Energy Centre Exhibition Place

100 Princes' Boulevard

Toronto, ON M6K 3C3, Canada

Register here ➔



Instructor:

Hoy Bohanon, P.E., Member ASHRAE, BEAP, LEED® AP (WorkingBuildings)

**Seating is Limited.
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<http://www.iidexcanada.com/2013/attendee/conference/seminars>

Fall 2013 Online Courses



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2 Ways to Register

1. Internet: www.ashrae.org/onlinecourses

2. Phone: call toll-free at
1-800-527-4723 (US and Canada)
or 404-636-8400 (worldwide)

NOTE: You may register up to 24 hours prior to an online course. Course times are in Eastern US Time Zone.

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Commissioning

Commissioning for High-Performance Buildings

Wed, October 16, 2013, 1:00 pm to 4:00 pm, EDT

Instructor: Walter Grondzik, P.E., Fellow/Life Member ASHRAE, LEED® AP

Environmental Quality

IAQ Best Practices for Design, Construction and Commissioning

(formerly Project Management for Improved IAQ)

Wed, November 13, 2013, 1:00 pm to 4:00 pm, EST

Fall 2013 Online Courses

Instructor: Hoy Bohanon, P.E., Member ASHRAE, BEAP, LEED® AP

Troubleshooting Humidity Control Problems ^

Wed, September 11, 2013, 1:00 pm to 4:00 pm, EDT

Instructor: Lew Harriman, Fellow ASHRAE

Energy Performance

Commercial Building Energy Audits Part 1 NEW!

(Registrants must attend both parts in order to receive credits)

Mon, November 4, 2013, 1:00 pm to 4:00 pm, EST

Instructor: Jim Kelsey, P.E., ASHRAE Member, BEAP, LEED® AP

Commercial Building Energy Audits Part 2 NEW!

(Registrants must attend both parts in order to receive credits)

Wed, November 6, 2013, 1:00 pm to 4:00 pm, EST

Instructor: Jim Kelsey, P.E., ASHRAE Member, BEAP, LEED® AP

Energy Management Best Practices* (formerly Energy Management in New and Existing Buildings)

Wed, October 2, 2013, 1:00 pm to 4:00 pm, EDT

Instructor: Richard Pearson, P.E., Fellow/Life Member ASHRAE

Energy Modeling Best Practices and Applications* Part 1

(Registrants must attend both parts in order to receive credits)

Mon, September 16, 2013, 1:00 pm to 4:00 pm, EDT

Instructor: Erik Kolderup, P.E., Member ASHRAE, BEMP, LEED® AP and McHenry Wallace, P.E., Member ASHRAE, LEED® AP

Energy Modeling Best Practices and Applications* Part 2

(Registrants must attend both parts in order to receive credits)

Mon, September 23, 2013, 1:00 pm to 4:00 pm, EDT

Instructor: Erik Kolderup, P.E., Member ASHRAE, BEMP, LEED® AP and McHenry Wallace, P.E., Member ASHRAE, LEED® AP

High-Performance Building Design: Applications & Future Trends*

Wed, October 9, 2013, 1:00 pm to 4:00 pm, EDT

Instructor: Tom Lawrence, Ph.D., P.E., Member ASHRAE, LEED® AP

HVAC Applications

Air-to-Air Energy Recovery Applications: Best Practices*

Wed, October 30, 2013, 1:00 pm to 4:00 pm, EDT

Instructor: Paul Pieper, P.Eng., Member ASHRAE

Fall 2013 Online Courses

Air-to-Air Energy Recovery Fundamentals*

Wed, October 23, 2013, 1:00 pm to 4:00 pm, EDT

Instructor: Paul Pieper, P.Eng., Member ASHRAE

Energy Efficiency in Data Centers*

Mon, October 28, 2013, 1:00 pm to 4:00 pm, EDT

Instructor: Don Beaty, P.E., Fellow ASHRAE

Standards & Guidelines

Complying with Standard 90.1-2010: HVAC/Mechanical*^

Mon, September 30, 2013, 1:00 pm to 4:00 pm, EDT

Instructor: McHenry Wallace, P.E., Member ASHRAE, LEED® AP

Fundamental Requirements of Standard 62.1-2010^

Mon, October 21, 2013, 1:00 pm to 4:00 pm, EDT

Instructor: Hoy Bohanon, P.E., Member ASHRAE, BEAP, LEED® AP

Introduction to BACnet®

Mon, September 9, 2013, 1:00 pm to 4:00 pm, EDT

Instructor: David Fisher, P.E., Member ASHRAE

[Register Now](#)

* This course is applicable for the Energy Savings Practices Career Enhancement Curriculum

^ This course is applicable for the IAQ Practices Career Enhancement Curriculum



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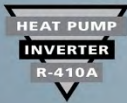
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