



SEASON'S GREETINGS

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President's Message

A very Happy Holidays to all of our ASHRAE members! I hope that all of you are enjoying this time of year with your families. The weather has not yet turned, but we all know that Winter is Coming...

Last month's meeting with SMACNA was well attended as always, and we thank SMACNA Long Island for attending and supporting ASHRAE. We apologize for the last minute program change, as our scheduled presenter's flight was cancelled. Hopefully, we will be able to set up an online presentation of Phenolic Duct Construction Standards, presented by Mr. Eli Howard. Look for this information in future mailings.

We thank Mr. Evans Lizards for being on call last month and presenting on Smoke Control Systems Design. As always, we appreciate your time and effort, Evans.

Along with our joint SMACNA meeting, last month was a YEA/Student Activities and Resource Promotion Night. We welcomed many students and are proud of ASHRAE's role in their education. Our Resource Promotion goals are being met, and we thank all our members for their continued generosity. A special thanks goes to Mr. Chris Sideris for donating his 50/50 winnings back to ASHRAE.



The ASHRAE Winter Conference and AHR Expo is fast approaching on January 23-27, 2016, in Orlando, Florida. The ASHRAE Learning Institute will offer 20 courses during the conference. If you are interested in attending the conference and any of the courses, please visit www.ashrae.org/orlando.

This month is our Holiday Party, and we do not have a presentation. I hope to see you there. The Holiday Party is free for all members, but I do want to share some news and ask for your help. Our recent Past President, Rich Rosner, has recently been diagnosed with a malignant brain tumor. Rich is undergoing treatment, and has all our hopes for a full and speedy recovery. Of course, this is a difficult time for Rich and his family. We will be collecting donations for Rich and his family to help him with meals through the Mealtrain website. The page for Rich is <https://www.mealtrain.com/trains/rv40nd>. Please consider donating your typical ASHRAE meeting fee of \$45, or if you would prefer, visit the webpage directly and donate a meal. I thank you all in advance for your help.

CHAPTER MONTHLY MEETING

DATE:	Tuesday, December 8, 2015 ASHRAE Holiday Party
TIME:	6:00 PM - 8:00 PM
LOCATION:	Westbury Manor South Side of Jericho Tpke. 25 Westbury, NY 11590
FEES:	
Members -	No Fee
Student -	No Fee
Guest -	\$50.00

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

Thomas J. Fields, P.E., LEED AP
President - Long Island Chapter

Long Island Chapter Officers & Committees

ASHRAE 2015/2016 OFFICERS

POSITION	NAME	PHONE	FAX	EMAIL
President	Thomas Fields, P.E., LEED AP	212.643.9055	212.643.0503	president@ashraeli.org
President-Elect	Charles Lesniak, P.E			president_elect@ashraeli.org
Vice President	Don Kane, P.E.	631.737.9170	631.737.9171	vice_president@ashraeli.org
Financial Secretary	Andrew B. Dubel, P.E.	212.967.7651	212.967.7654	finsec@ashraeli.org
Treasurer	Richard Halley	718.269.3809	718.269.3725	treasurer@ashraeli.org
Secretary	Frank Paradiso	631.632.2791	631.632.1473	secretary@ashraeli.org
Board of Governors	Ken Mueller	201.395.3761	763.231.6924	bog1@ashraeli.org
Board of Governors	James Hanna	718.269.3768	718.269.3794	bog2@ashraeli.org
Board of Governors	Bill Artis	201.395.3750		bog3@ashraeli.org
Board of Governors	Richard Rosner, P.E.	631.737.9170	631.737.9171	BOG4@ashraeli.org

ASHRAE 2015/2016 COMMITTEES

COMMITTEE	NAME	PHONE	FAX	EMAIL
Programs & Special Events	Charles Lesniak, P.E			programs@ashraeli.org
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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			ggac@ashraeli.org
Newsletter Editor	Liset Cordero	212.643.9055	212.643.0503	editor@ashraeli.org
Research Promotion	Andrew B. Dubel, P.E.	212.967.7651	212.967.7654	rp@ashraeli.org
Historian	James Hanna	718.269.3768	718.269.3794	historian@ashraeli.org
Student Activities	Richard Halley	718.269.3809	718.269.3725	sa@ashraeli.org
Chapter Regional Conference Committee	Richard Halley	718.269.3809	718.269.3725	crc@ashraeli.org
Young Engineers in Training	Frank Paradiso	631.632.2791	631.632.1473	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	Bill Artis	201.395.3750		reception@ashraeli.org
PR & Engineering Joint Council of LI	Andrew Manos, LEED AP	631.632.2791	631.632.1473	pr@ashraeli.org
2014 CRC Committee	Richard Halley	718.269.3809	718.269.3725	CRC@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

ASHRAE LI, P.O. Box 79, Commack, NY 11725

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Chapter Monthly Meeting - Program for 2015/2016

September 8, 2015 * At Westbury Manor  Dinner Presentation – Commissioning Considerations for VRF Systems Presenter: Bill Artis **1 PDH**	February 2016 NATIONAL ENGINEERS WEEK
October 20, 2015 * At Westbury Manor  Dinner Presentation— “Dr. Duct Tape” Presenter: Max Sherman, PhD **1 PDH** ASHRAE DISTINGUISHED LECTURER <i>Back to Basic Session I -</i> **1 PDH** <i>“Selecting and Designing Refrigeration Equipment Component Packages”</i>	March 8, 2016 * At Westbury Manor Dinner Presentation— TBA Presenter: TBA **1 PDH** Joint meeting with LI-Geo YEA Night <i>Back to Basic Session III –</i> **1 PDH** <i>“Design & Theory of ”</i>
November 10, 2015 * At Westbury Manor  Dinner Presentation-- Phenolic Duct Construction Standards Presenter: Eli P. Howard, III **1 PDH** Resource Promotion Night Joint meeting with SMACNA Student Activities Night & YEA Night as well as Membership Promotion and Upgrade Night	April 12 , 2016 (5 PM) ANNUAL FIELD TRIP . **1 PDH** Dinner to follow at a local Restaurant
December 8, 2015 * At Westbury Manor HOLIDAY PARTY Free Buffet Dinner for Members	May 12th, 2016 * Cherry Valley Club, Garden City, NY ANNUAL GOLF OUTING
January 12, 2015 * At Westbury Manor Dinner Presentation- TBA Presenter: TBA **1 PDH** <i>Back to Basic Session II -</i> **1 PDH** <i>“Design of “</i>	May 12, 2015 * At Westbury Manor Dinner Presentation— TBA Presenter: TBA **1 PDH** Student Activities Night Refrigeration Night
January 2016 ASHRAE Winter Meeting	June 14, 2016 * At Westbury Manor Free Buffet Dinner for Members PAST PRESIDENTS NIGHT & OFFICER INSTALLATION STUDENT SCHOLARSHIPS TO BE AWARDED ASHRAE History Quiz and prize Give-A-Ways
February 9, 2016 * At Westbury Manor Dinner Presentation—TBA Presenter: TBA **1 PDH** Joint Meeting with USGBC Resource Promotion Night Membership Promotion Night	August 2016 Chapter Regional Conference (CRC) Region I

BOG Meeting Minutes

11/10/15 ASHRAE Pre-meeting Minutes:

Chapter Technology Transfer (Don Kane)

- Looking for non-allocated DL's
- Tax extension has been filed for
- No progress on Ads, will work on soon
- Working on Artwork for Ticket books
- Need financial information

Treasurer (Richard Halley)

- CRC Reimbursements
- Chapter Assessments
- June Dues are due
- Opening balance \$14,769.50

Research Promotion (Andrew Dubel)

- Email blast for book receipts, 30% responsive
- 2 new vendors found

Student Activities (Richard Halley)

- Another 10 student members from Suffolk Community College
- Voting on Scholarships move up to end of April for Review

YEA (Frank Paradiso)

- Will look into the Great South Bay Brewery Tour

CRC 2017 (Richard Halley)

- Monthly meetings start this month in Plainview 245 Newton Rd.
- Email blast, need volunteers

Long Island Chapter - Past Presidents

1958	H. Campbell, Jr. PE	1987	Abe Rubenstein, PE
1959	Clyde Alston, PE	1988	Michael O'Rourke
1960	Sidney Walzer, PE	1989	Mel Deimel
1961	Sidney Gayle	1990	Robert Rabell
1962	William Kane	1991	Gerald Berman
1963	Louis Bloom	1992	Donald Stahl
1964	Milton Maxwell	1993	Ronald Kilcarr
1965	Will Reichenback	1994	Jerald Griliches
1966	Joseph Minton, PE	1995	Walter Stark
1967	Irwin Miller	1996	Joe Marino
1968	Walter Gilroy	1997	Norm Maxwell, PE
1969	Charles Henry	1998	Alan Goerke, PE
1970	William Wright	1999	Frank Morgigno
1971	Louis Lenz	2000	Michael Gerazounis, PE, LEED AP
1972	Ronald Levine	2001	Ray Schmitt
1973	Henry Schulman	2002	Steven M. Stein, PE
1974	Myron Goldberg	2003	Andrew Braum, PE
1975	John N. Haarhaus	2004	Claudio Darras, P.E.
1976	Richard K. Ennis	2005	Craig D. Marshall, P.E.
1977	Kenneth A. Graff	2006	John Nally
1978	Evans Lizardos, PE, LEED AP	2007	Peter Gerazounis, PE, LEED AP
1979	Albert Edelstein	2008	Steven Friedman, PE, HFDP, LEED AP
1980	Ralph Butler	2009	Steven Giammona, P.E., LEED AP
1981	Robert Rose, PE	2010	Nancy Román
1982	Timothy Murphy, PE	2011	Carolyn Arote
1983	Leon Taub, PE	2012	Brian Simkins, LEED AP
1984	Raymond Combs	2013	Andrew Manos, LEED AP BD+C
1985	Edward W. Hoffmann	2014	Richard L. Rosner, P.E.
1986	Jerome T. Norris, PE		



PAOE POINTS FOR 2015/2016

Chapter Members	Membership Promotion	Student Activities	Research Promotion	History	Chapter Operations	CTTC	GGAC	Chapter PAOE Totals
282	0	0	310	0	545	425	175	1,455

ASHRAE Holiday Party - December 8, 2015

ASHRAE Long Island Chapter's 2015 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 8, 2015

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)!
Fee for Non-Members is \$50.00 per person

RSVP: By Monday, December 7, 2015 (*REQUESTED*).
Send your Name & Phone# to [**programs@ashraeli.org**](mailto:programs@ashraeli.org)



**Hope to see you there.
RSVP today!**



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

Research Promotion

Last month's meeting was Resource Promotion Night and I would like to say thank you again to all those that have contributed. I also would like to thank the companies who have participated in the annual 2016 Product Directory of Manufacturers and their Representatives. There's still time if you would like your company listed in the directory please contact me. The deadline is December 31st. 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. 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. The Tax Man Cometh...Be sure to make your contribution for the 2013 tax year! With a little less than a month left in 2015, there is still time to support RP AND get your tax deduction!



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

INDIVIDUALS

Frank D Morgigno	Frank Paradiso
Michael Gerazounis, PE	Mr Richard Halley
John D Nally	Mr James Hanna
Andrew E Manos	Mr Thomas Fields
Donald W Kane, PE	Mr Ricky Gaska
William Artis, Jr	Mr. Chris Sideris
Richard L Rosner, PE	
Andrew B Dubel	
Charles J. Lesniak, PE,	
Robert J Fuchs	

COMPANIES

SMACNA - Long Island
PVI
Metro Air Products
Technical Air Systems
RPG Associates
Albert Weiss
VMC East
MV Controls
ACS Analytical and Combustion Systems
AEF Sales
Accuspec
Lizardos Engineering

CONTRIBUTIONS CAN BE MADE IN THE FOLLOWING WAYS:

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

Andrew Dubel, P.E.
ASHRAE Research Promotion Chair
c/o Lizardos Engineering Associates PC
240 West 35th Street, Suite 304
New York, NY 10001

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

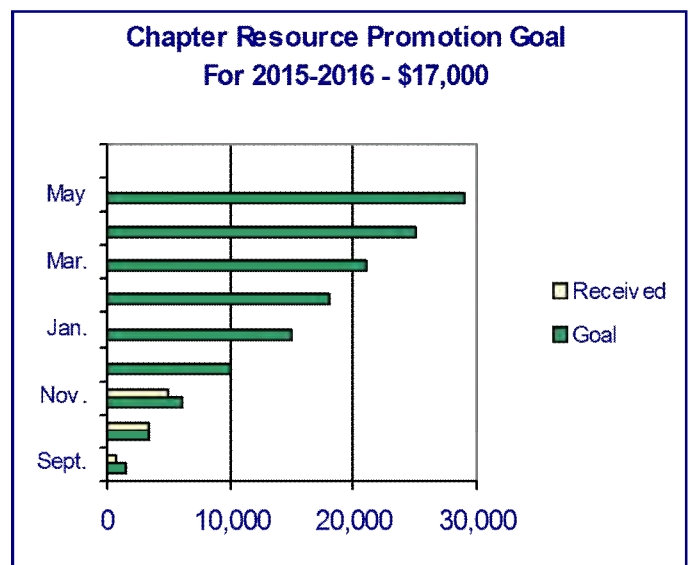
3) You can contribute via PayPal from the ASHRAE LONG ISLAND web site, just click on the donate button.

4) You can contribute directly on-line. www.ashrae.org

*** Please make sure you accredit your contribution to the LONG ISLAND CHAPTER 006 ***

Thank you again for all of your support!

Andrew B. Dubel, P.E.
Research Promotion Chair



CTTC - ATGATT - OR - HOW TO LIVE TO SEE ANOTHER DAY....AND BE ABLE TO ENJOY IT

Yes...another acronym to start off with. Possibly one not familiar to most of the HVAC/R community (except those who spend time travelling on motorized, single-track conveyances), but one which should be the daily mantra, uttered by those who install, inspect or maintain the mechanical equipment used to maintain that statistical 80% in their (thermal) comfort zone.

"All The Gear, All The Time", a catch-phrase developed as a way to instill safe riding habits in the motorcycle community, with an underlying idea that is equally applicable to any endeavor involving risk of injury or death. Working with and/or around mechanical systems exposes one to various risks; electrical, physical, chemical and thermal, just to name a few. What is at risk, you ask? How about eyes, ears, respiratory system and limbs for starters. In most endeavors, be it flying, motorcycling, mountain climbing or installing and maintaining HVAC/R equipment, the riskiest periods for people are when they are neophytes (and haven't had the benefit of experience and training) and "old timers" who have managed to survive, but are in danger of getting complacent. Never let down your guard...look both ways before stepping off the curb....check and double check that a circuit is de-energized (and locked out) before touching electrical wiring and devices. Let's look at the various need for protection, much the same way we would troubleshoot a malfunctioning installation...system by system.



EYES- With all of the potential eye-related hazards surrounding us, it is amazing that there are not more eye injuries in the work place. Inside buildings and in dropped ceilings, we have dust and rust; springs that seem to pop off of equipment at the worst moment...all potential projectiles and contaminants that can attack our ocular senses. Drilling a hole in a metal bracket or trimming it with an angle grinder to make it the perfect fit can launch hot metal particles; using the wrong kind of hammer can result in steel chips flying towards us. Outdoors and on rooftops, in addition to all of the above, we have wind driven dust, pollen and any debris that has hitched a ride courtesy of the Anemoi. The simple solution is to wear eye protection. The not so simple solution is finding eye protection that provides the protection needed while not restricting ones movements, access or visibility. The best eye protection is of no use if it continually fogs up as one is working. Full face shields are, generally, too cumbersome, and still permit the passage of material up and under the shield. Fortunately, there are some goggle-type eye protection which are lightweight, rugged, close fitting, yet, ventilated to prevent fogging and, for those of us who wear glasses, even permit wearing the goggles over the prescription lenses. Still....if you don't wear them...they are of no use.

EARS - While damage to our eyes is usually a quick occurrence, hearing loss takes a longer time to manifest itself...and...when it does, it may be too late to correct. While short time exposure to noise levels of 140dbA and above can result in permanent, irreversible auditory damage, sustained exposure to sound levels of 90-95dbA can also result in hearing loss. By way of comparison, some tabulations note the sound level of a table saw as 110 dbA (at 3 feet) and a drill motor as 98 dbA. If one spends a lot of time either in equipment rooms or surrounded by roof-top units, the chances are that at some point you will be exposed to a sound level that, on a cumulative basis, could result in some loss of hearing. Hearing protection is relatively easy, there are many lightweight products, some using separate ear plugs and others using a plastic bail to secure the plugs in place, which can adequately attenuate the sound level while still allowing one to hear conversations and other sounds...you don't want to isolate yourself from the rest of the world. Some will say....they don't need ear plugs...they just pop in the ear buds and crank up the iPod and listen to their sounds. Unfortunately, in some cases this is really increasing the sound pressure level at your ears, as the volume of the music has been increased to the point where it will "mask" the offending sound, rather than attenuating it.

Respiratory System – As previously noted, we need to protect the eyes from dust and particles. Similarly, our lungs do not handle contaminants well. Some possible particles we can encounter include; dirt/dust, insulation particles (glass fiber as well as other fibrous material), mold (where condensation or leakage has occurred), legionella, fumes and particulates from brazing, soldering and welding as well as various aerosol cleaners and touch-up paint (just because it may, in some cases, be water based, doesn't mean it is safe to breathe without protection). For most cases, as a minimum, one should be using a half-mask with a P100 particulate filter with nuisance level organic vapor protection (for organic vapor levels below the permissible exposure levels established by OSHA). For heavy duty painting and for some flux vapors, a second level of filtering, for the organic vapors would be required. Lightweight, and compatible with snug fitting safety goggles, this is a practical solution to respiratory protection.

Hands - What can possibly happen to our hands? We can cut them, burn them, expose them to chemicals (that can be absorbed into the skin), we can scrape them and we can expose them to freezing temperatures. One or more gloves (sometimes in combination) can be the solution to these concerns. The downside, is that sometimes several different

CTTC - ATGATT - OR - HOW TO LIVE TO SEE ANOTHER DAY....AND BE ABLE TO ENJOY IT (Cont'd. from Page 8)

gloves will be needed to address all of the concerns, as well as to permit tactile function in order to be able to pick up nuts and bolts and other parts. Nitrile gloves provide protection against many chemical attacks, but do not hold up well around rough and/or sharp surfaces. Sometimes it may be necessary to use the rubber glove as a liner for a more rugged glove. This is akin to what electrical workers do, using an insulated liner for protection against electric shock, and an outer leather protector glove, that prevents the rubber from damage. Note: when using rubber gloves inside an outer glove, it is sometimes beneficial to use a protective hand cream to prevent "pruning" of the skin. Using the thin nitrile gloves as a liner also has the benefit, in the cold weather, of providing additional heat retention. One word of caution; if using a heat source (soldering, brazing or welding) use the proper leather glove. Use of a "mechanics" glove may be more comfortable, but when the material melts to your skin, it will not seem like such a good idea.

Electrical Hazards - Electricity poses hazards to all of the above body parts...and then some. While safe working procedures generally require equipment to be deenergized prior to beginning work, some tasks, especially with regard to HVAC/R equipment where the equipment has to be operating to measure and adjust, require the equipment to be functioning. In the first case, working with the power de-energized, one should ensure that it really IS de-energized and REMAINS that way. A non-contact voltage sensor or probe type multi-meter will make it easy to determine if the circuit is dead (yes, test the meter or sensor on a known live circuit before and after measuring the circuit to be worked on to assure functionality). A lockout/Tagout hasp, lock and tag will help ensure that the circuit STAYS de-energized, until you have finished. One may encounter situations involving larger equipment, supplied from a high capacity supply, that necessitates the use of Arc-Flash protective clothing and equipment. Especially for these situations, but equally beneficial in smaller installations, is the use of metering equipment with remote (wireless) capability. This way you can set up the equipment to measure with the equipment de-energized and move away from the "danger zone" to safely record meter readings. Where it is necessary to probe live circuits, something as simple as the safety probes, with spring loaded covers that minimize the exposed conductive tip of the probe (in case it slips and contacts another live part) can save one from injury.

Clothing – How does one's sartorial choices involve safety? Considering that HVAC/R equipment has many rotating parts, belts and sources of flame, one should make sure that you are not wearing loose fitting clothing that could get snagged by said moving parts. Some of the synthetic materials may hold up well and launder nicely, but when exposed to a heat source, they will tend to melt onto one's skin. Cotton and wools will char, but usually give you enough time to avoid a serious burn. Keep in mind, however, that if you are in an area that requires Arc Flash protective apparel, the run of the mill cotton or wool shirt/pants will not provide much, if any, protection. Garments identified and tested for their arc resistance are required.

Ladders and Fall Protection - It is necessary to access equipment mounted on roofs, sometimes where there is no permanently mounted method of access. Falling from a ladder or a rooftop can really spoil one's day. If the surface that ladder is on is uneven, a good investment would be stabilizing legs for the ladder, to make sure it doesn't "tilt" when you are climbing up or down. Better yet, would be to add an outrigger type arm to the top, where you can hook it over the parapet wall to stabilize the ladder laterally. While ascending to the roof, instead of trying to carry all your equipment, tools and supplies with one hand while holding the ladder with the other, consider a hand line that you can attach to the material, and lift it up after reaching the roof. Some older equipment may be dangerously close to the edge of a roof, without the benefit of work platforms and railings. In those cases, your self-preservation bag-of-tricks should include a fall protection harness and lanyard (or restraint system if it will permit adequate movement for equipment access).

Vehicular Dangers - At some point, while accessing your vehicle on the side where there is an empty parking space, do not be surprised if some day someone (no doubt late for an appointment), seeing that space, makes a beeline for it at an excessive rate of speed, only to realize that their preview of you was blocked by your vehicle....a couple of traffic cones could make the difference between another wake-up or not.

While this is by no means an all inclusive treatise, nor even a guarantee of survival, consider ATGATT as your mantra to help you to remember to try to stack the deck in your favor. Conversely, in consideration of all others on the road around your vehicle, consider securing your ladder(s) with more than a single bungee cord. If for some reason you have to stop suddenly (or perhaps come to a sudden stop because another vehicle was occupying the same space), those aluminum and fiberglass objects will launch and, quite possibly, cause damage and/or injury.

Best Wishes for a Happy and Safe Holiday Season,

Don Kane, P.E.

CTTC Chair - cttc@ashraeli.org

History - Brief History of the ASHRAE Handbook

The lineage of the Handbook begins in 1922, when the American Society of Heating and Ventilating Engineers (ASH&VE) published its Heating and Ventilating Guide. Its purpose was stated as follows in its preface:

'The purpose of this new addition to the Society's publications is to provide the engineer, the architect and contractor alike, with a useful and reliable reference data book relating to the art of heating and ventilating. A wide range of data within the scope of the field is presented and every effort has been made to present the material in a practical and useful manner.'

Society Technical Committees, Task Groups, and individuals obtained data and prepared chapters using information from any authoritative source. Society-sponsored research provided much information.

ASH&VE, which later became the American Society of Heating and Air-Conditioning Engineers (ASHAE), published The Guide until 1961, when it was merged with the American Society of Refrigerating Engineers' (ASRE) Refrigerating Data Book, published since 1932, following the merger of the two societies in 1959. The combined publication was called the ASHRAE Guide and Data Book. Separate volumes were issued for Fundamentals and Equipment, and Applications.

In 1967, the information in the Guide and Data Book was regrouped into a Handbook of Fundamentals, with separate Systems, Applications, and Equipment volumes. In 1973, the Guide and Data Book was renamed the ASHRAE Handbook. In 1985, separate I-P and SI unit volumes were issued, and in 1986, a separate Refrigeration volume was established. Although volume groupings have shifted over the years, the name and the essential method by which the ASHRAE Handbook is compiled has continued to the present.

Sources:

Flink, Carl H. 1969. History of ASHRAE Guide and Data Book. ASHRAE Journal (Dec. 1969).

Cansdale, James H., and MacPhee, Carl W. 1972. Technology Pacesetter: 1922---ASHRAE Guide and Data Book---1972. ASHRAE Journal (May).

James Hanna

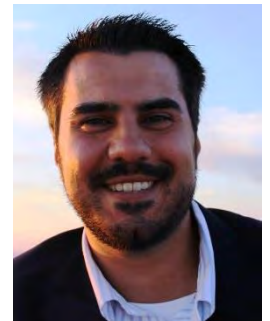
History Chairman



Young Engineers in ASHRAE (YEA)

As the year comes to a close we will take time to celebrate a year of many accomplishments for our chapter and get together during our holiday party. The festivities will take place at Westbury Manor on Tuesday, December 8th from 6-8 pm. Participation is complimentary to ASHRAE members. We hope that many of our YEA members can join us in this celebration and showcase the strength & support of our younger members. Have a Merry Christmas and happy & healthy holiday season. Cheers to the New Year.

Frank Paradiso
YEA Chairman



Student Activities

I would like to thank all those Members who helped make our first student night of the year a success. We had over 20 students from Suffolk County and Stony Brook. The feedback I received from the students is they enjoyed the entire event but especially the time they spent talking at the tables with the membership about the industry and getting a real feel for what we all do on a day to day basis.

The ASHRAE Senior Undergraduate Project Grant Program is still accepting applications. This program 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. See the Student Zone for more information.

If you haven't seen it yet ASHRAE Student Zone <http://www.ashrae.org/membership--conferences/student-zone> is a great place for student to go on line and learn more about ASHRAE and the multiple resources available to you, The 2016 Student Design Competition, K-12 /STEM Resource Center and much more. Students who are currently enrolled or soon to be enrolled in an engineering undergraduate degree should take a look at [https://www.ashrae.org/](https://www.ashrae.org/membership--conferences/student-zone/scholarships-and-grants) membership--conferences/student-zone/scholarships-and-grants.

There are 13 undergraduate scholarships available ranging from \$3,000 to \$10,000 dollars! If you would like more information take a look at the website or see me.

Richard Halley
Student Activities Committee Chair

Membership

Many thanks to those who brought down prospective members or who encouraged others to sign up during our membership promotion evening last month. New members continue to sign up but there is still concern that many of our long time members have not renewed their membership yet. To renew online go to <http://www.ashrae.org/members>. Please confirm your contact information while you are there.

If you would like the newsletter sent to others, like schools, vendors, clients, etc. please let me know and we can add them to the database as well or they can visit <http://ashraeli.org/newsletters.html> and read the newsletters online or sign up there themselves. There is no charge for this service. I hope to see you at the December 8th Holiday party; if you have any questions concerning membership please feel free to ask anytime.

Ken Mueller
Membership Chairman

Grassroots Government Activities Committee (GGAC)

As most of you know ASHRAE is no longer a US based society it has moved itself to a global society, ASHRAE wanted to start a new committee in their local chapters to help it grow globally so it created the GGAC. The main purposes of the GGAC is to serve as a communicator between the local ASHRAE chapters and national, serve as a communicator between the local ASHRAE chapters and other trade organizations, and to update local government officials on ASHRAE standards and technical issues. Please look at the ASHRAE's main GGAC webpage at <https://www.ashrae.org/government-affairs/> for more information what the GGAC is doing nationally. The latest topics which ASHRAE is participating in can be found at the link: <https://www.ashrae.org/government-affairs/government-affairs-updates/government-affairs-updates-11-13-2015#11>



For this ASHRAE season we will have three joint engineering meetings and we are looking to see if other organizations would like to join us for joint meetings for the next ASHRAE year. In February we will hold a joint meeting with the USGBC Chapter of Long Island <http://usgbc-li.org/>, and in March with Long Island Geo <http://www.li-geo.org/>. In addition to our joint meetings we will have presentations for National Engineering Week with EJCLI <http://www.ejcli.org/>.

Please contact me if your organization would like to join us for a joint meeting.

New York State Mold Law to be Effective on January 1

On January 1, 2016, the New York State (NYS) mold law – A 4759 or S 3674 will become active. Anyone who performs mold assessments and/or remediation in NYS must be licensed by attending a certified class and passing a test. There are 3 categories of mold work:

- **Mold remediation** means conducting the business of removal, cleaning, sanitizing, or surface disinfection of mold, mold containment, and waste handling of mold and materials used to remove mold from surfaces by a business enterprise, including but not limited to, sole proprietorships.
- **Mold assessment** means an inspection or assessment of real property that is designed to discover mold, conditions that facilitate mold indicia of conditions that are likely to facilitate mold, or any combination thereof.
- **Mold abatement** means the act of removal, cleaning, sanitizing, or surface disinfection of mold, mold containment, and waste handling of mold and materials used to remove mold from surfaces by an individual.

The law covers projects of mold remediation, mold assessment or mold abatement of areas greater than 10 square feet, but does not include:

- Routine cleaning.
- Construction, maintenance, repair or demolition of buildings, structures or fixtures undertaken for purposes other than mold remediation or abatement.

An applicant for a license to perform mold assessment, remediation or abatement shall meet the following minimum requirements, in addition to paying the required fees:

- Be eighteen years of age or older.
- Have satisfactorily completed a commissioner approved course work.
- Paid the appropriate fees as provided in subdivision six of this section; and
- Assessment and Remediation - submitted insurance certificates evidencing workers compensation coverage, if required, and liability insurance or at least \$50,000.

For information about the law and to find class providers (with class dates and locations) that have been approved by the NYS Department of Labor (DOL), please visit the NYS DOL website at:

<https://labor.ny.gov/workerprotection/safetyhealth/mold/mold-program.shtm>

Charlie J. Lesniak, P.E.
Grassroots Government Activities Chair

November Meeting Pictures



November Meeting Pictures (Cont'd. from Page 14)



2016 ASHRAE Winter Conference - January 23-27, Orlando, FLA promotional banner for the 2016 ASHRAE Winter Conference. The background is a blue sky with a modern glass skyscraper. The ASHRAE logo is in the top right. The main text reads '2016 ASHRAE Winter Conference' in large, bold letters. Below it, 'Jan. 23-27 | Orlando Hilton | Orlando, Fla.' is written. A line of text below that says 'New Technical Program Tracks, Networking, World's Largest HVAC&R Marketplace'. In the bottom left, there is a logo for '2016 AHREXPO ORLANDO JAN 25-27' and text for '2016 AHR Expo Jan. 25-27 | Orange Co. Conv. Center | Orlando, Fla.'. A black box on the right contains the text 'Venues are strategically located next to each other for easy access.'

2016 ASHRAE Winter Conference

Jan. 23-27 | Orlando Hilton | Orlando, Fla.

*New Technical Program Tracks, Networking,
World's Largest HVAC&R Marketplace*

2016 AHR Expo
Jan. 25-27 | Orange Co.
Conv. Center | Orlando, Fla.

Venues are strategically located next to each other for easy access.

With new tracks focused on design-build practices and residential systems as well as programs that align well with current trends in HVAC&R engineering, you don't want to miss the Technical Program at ASHRAE's 2016 Winter Conference. Energy efficiency and sustainability are emphasized along with current engineering and construction practices outside of the U.S. and Canada.

Early Bird registration offering the lowest registration costs ends Nov. 2. Register to take advantage of these fees. For more information or to register, visit www.ashrae.org/orlando.

The Technical Program features eight tracks, some 100 sessions and more than 300 speakers. Over 200 Professional Development Hours, as well as Continuing Education Units, which can be applied toward a Professional Engineering license, including the state of Florida, AIA LUs and LEED®AP credits are available.

Check out the new **interactive schedule** to find the topics, sessions and speakers of most interest to you! Featuring options to search by track, program type, date and keyword, the interactive Technical Program provides a detailed look at each session from color-coded tracks to sponsoring committees. Access, browse and bookmark the feature on your computer, tablet or smartphone.



The interactive schedule for the Technical Program is available at www.ashrae.org/orlandointeractivetechprogram.

In addition to sessions providing updates on industry standards and ASHRAE publications, the Conference features several innovative sessions in the Cutting Edge and International Design tracks as well as residential programs, numerous refrigerant update presentations, especially on low global warming potential, and fundamentals, applications, system and equipment sessions.

For more information or to register, visit www.ashrae.org/orlando

Save-the-Date - ASHRAE Webcast - April 21, 2016

SAVE THE DATE! April 21, 2016 | 1–4 pm EDT

This webcast will feature industry experts who will define the importance of, and why we should strive for, net zero in the built environment. Viewers will be able to identify behaviors that create more effective ownership, design and construction teams, and will recognize the value of a collaborative process in building design and the impact on costs. With a strong emphasis on real-world applications, the program will also discuss the primary technical and financial challenges in achieving net zero buildings, and where this design approach can best be applied.

- Take advantage of the **two week On Demand period from April 22 – May 6** and schedule your viewing of the webcast around your time zone and schedule
- The On Demand player has fast forward and rewind capabilities — allowing you to view all or part of the program with your members
- Plan a lunch or dinner meeting with your Chapter to view the webcast
- Utilize the Net Zero Resources online to supplement the webcast program
- Earn 3 FREE PDHs
- Chapters who register to view the webcast will earn **100 PAOE points**

Visit www.ashrae.org/webcast for additional information about the program, sponsorships, continuing education credits, speakers, and registration.

\$\$\$ SAVE MONEY \$\$\$

ASHRAE-LI is now offering Ticket Books for our Monthly Meeting/Dinner presentations. \$450 for a book of Eleven (that's right....eleven, one better than ten) tickets for the price of ten member admissions. Tickets are valid until December of 2017 and may be used by members and non-members. For those of you who attend all or most of our meetings and for organizations who normally send large groups to the meetings, this is a great way to save a few dollars and speed up the entry process. For more information and/or to purchase ticket books, please contact Don Kane at cttc@ashraeli.org or call 631-574-4870.



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If you would like to place an advertisement in the Long Island Sounder, please contact our Chapter Financial Secretary, Don Kane, PE @ 631-574-4870 or by email at finsec@ashraeli.org for further details. Thank you.

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