



Northeast Chapter

Thermal Briefs

DECEMBER 2014

JANUARY MEETING TUESDAY, JANUARY 20, 2014

Standard 90.1 –Past, Present and Future

Presenter: Ronald E Jarnagin, Pacific Northwest National Lab

****ASHRAE Society Distinguished Lecturer ****

1 PDH credit pending review!

12:00pm - Lunch and Presentation

Italian American Community Center, Washington Ave Ext

Members \$30 (\$40 with PDH)

Non-Members \$35 (\$45 with PDH)

RSVP to Tim Houle no later than Thursday, January 13th

Thoule@advancedcomfortsys.com or 518-844-8444 x3439

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Synopsis:

Standard 90.1 is ASHRAE's flagship standard focused on energy efficiency in commercial buildings. The standard is cited in U.S. federal energy legislation and forms the basis for many of the state and local building codes. This presentation will focus on the evolution of Standard 90.1 from its inception in 1975 through the current version. The presenter will then turn attention to development of the 2010 version of the standard targeted at saving 30% more energy than the 2004 version of the standard. Insights into the standards development process will be provided as well the perspective on standards of a previous chair of the 90.1 development committee. The presenter served as the Chair of the committee that wrote the 1999 version of Standard 90.1.



Northeast Chapter

Thermal Briefs

DECEMBER 2014

DECEMBER MEETING TUESDAY, DECEMBER 16, 2014

Speaker Bio:



Mr. Jarnagin has been involved in energy-related research and development activities for over 35 years. His background is diverse, including work in the areas of fluid flow, power plants, automotive and transportation systems, HVAC systems, energy use in buildings, smart grid activities and energy standards development. Mr. Jarnagin has served on numerous utility, government and business advisory boards, lending his expertise to solving their respective energy problems. He served on the faculty in the Department of Mechanical Engineering at the University of Florida for 10 years, and has been with Pacific Northwest National Laboratory for the past 20 years.

Mr. Jarnagin has received the Distinguished Service Award from ASHRAE, was recognized as the 2004 NSPE Engineer of the Year in Tri-Cities, WA, received 2003 AEE Special Recognition award for service to industry and 1999 Presidential Award from IESNA. He holds graduate degrees in Mechanical Engineering from the University of Florida and Accounting from Louisiana State University. He is also a decorated U.S. Navy veteran of Vietnam having served with the river patrol forces there.

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Message from the President

Let me start by wishing all our members a safe and happy holiday season. This time of the year keep our schedules busy and active, so I want to thank all the members, and especially our Past Presidents who attended our December meeting. Joseph Klotz of Johnson Controls was our guest speaker, and his topic detailed “New Found Money for Facility Managers” HVAC Equipment, Building Management Systems, Big Data and the Cloud. I believe all that attended found this presentation very intriguing. Joe is an excellent speaker and always provides great insight to his topic.



Our next meeting will be held on January 20, 2015. This will be a dinner event and we will be hosting Ron Jarnagin. Mr. Jarnagin is one of ASHRAE’s Distinguished Lecturers, and we are fortunate to have him attend and present at one of our events. I am hoping that the membership help support him by attending this event. More information on the presentation will be listed in the body of this letter.

Lastly, I would like to present the Northeast Chapter of ASHRE, 2015 Nominating Committee:

Gerard Marciano, William Gerstler, Christine Harvey, Mark Cambria and Nick Casale

All are Past Presidents of our Chapter and are willing to take on the task finding the future leadership of the Chapter. If any member wishes to propose a member for consideration, please feel free to send me an email with the nomination and they will be added to the ballot. Elections will take place at our January 2015 meeting.

I would like to wish all our members and their families a Happy Holiday Season and a safe, happy and prosperous New Year!!

Sincerely,

Doug Belokopitsky

Message from Historian

Greetings!

December was Past Presidents night with six Past Presidents attending. Evan Walden, Gerard Marciano, Mike Carr, Stan Westhoff, Khaled Yousef and Nick Casale gave a brief statement of their time in office.

A historical display with pictures was available in the meeting room of the Italian American Community Center.

If you find a system or piece of equipment of historical significance please bring it to my attention so that it can be documented as part of the Northeast Chapter History.

Submitted by Chapter Historian,

Stan Westhoff



Message from Membership

It's the most wonderful time of the year.” So the song says, but it is also one of the busiest!

If you attended the December 16 meeting, which focused on how the internet is changing and affecting our industry, you would have seen some good-natured teasing from the speaker to the younger engineers in the room. Mr. Klotz, a very engaging speaker, discussed how the decisions and control of Building Automation Systems will evolve from “Boiler Room Bob” to the Board Room. One of the points he emphasized along the way was how human collaboration technologies will be significant in the upcoming years. So what does this have to do with ASHRAE Membership and teasing the “digital natives” present?



Human collaboration: “Two heads are better than one.” I firmly believe we are at our strongest when we have a good mix of old and new, experienced and inexperienced, innovative, creative and old-stodgy minds working together to change our environment. If this idea hits a resonant chord in you, I invite you to join the membership committee and connect on a deeper level with ASHRAE. Especially for YEA members who may feel like they have to have more years under their belt before jumping in. Not so! Don’t you see? If you wait, you lose your perspective as a newcomer. The facts are, we need both perspectives, and I’m looking for help with some new creations. Come join me!

All Members: Last call for updates to your profile in ASHRAE! Please log in to <https://www.ashrae.org> and make sure your data is all up to date by December 31. We will be downloading all our chapter members for inclusion in the Roster sometime in January. We want to include you!

Manufacturers’ Representatives: The new roster will have a section dedicated to listing our industry products and who the local contact is for that product. In preparation for compiling this information, all manufacturer’s reps are asked to submit their latest updated line card for your company’s product offerings to liesl.hammer@gmail.com. The format will be different than the previously released roster, so if you’d like to see a sample layout, feel free to drop me a line requesting a copy.

Hope everyone has a safe and very Happy Holiday!

Liesl Hammer

ASHRAE Northeast Chapter Membership Promotion Chair

Message from Research Promotion

Please consider placing your business card ads in our next issue. The small \$60 contribution we require goes completely to Research promotions and allows your ad to run the entire year. If you have any job postings you'd like to post we only ask a small contribution of \$50 per month. This Newsletter is circulated to over 200 monthly!

If you would like to make a donation to RP please contact me at cschmidt@b2qassociates.com. For further information on ASHRAE Research and the work your contributions support please visit: <https://www.ashrae.org/standards-research--technology/research-promotion> Here you can contribute and learn about current and past ASHRAE Research projects.

Thank you all very much for your generosity!

Thanks again,
Chris Schmidt

Message from Refrigeration

Did you know:

ASHRAE offers HVAC&R Research available at:

<https://ashrae.org/resources--publications/hvac-r-research>

Each issue of *HVAC&R Research*, ASHRAE's archival research journal, contains more than 150 pages in 8.5 by 11-inch format, with 8 issues published online and combined twice a year in print (June and December).

Using Taylor & Francis' early online-publication system, *iFirst*, accepted articles are published online in unedited form within 7 days of receipt, making new knowledge available to researchers in the shortest possible time.



Message from Student Activities

Below is a scholarship we offer annually. If you know of any hard working students that could use a break, spread the word!

ASHRAE NORTHEAST CHAPTER SCHOLARSHIP APPLICATION



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

The ASHRAE Northeast Chapter Scholarship Program is designed to encourage and assist in the education of men and women pursuing a career in the field of heating, ventilating, air conditioning and refrigeration (HVAC&R) through its granting of scholarships. The program also serves the public interest by aiding in the education of men and women to become qualified to practice within the HVAC&R field.

Personal Data

Last Name		First Name		Middle Initial	
Student's Home Address					
City		State		Zip	
E-mail address			Home Phone		
Date of Birth			Citizenship		

Education

High School		H.S. Location	
H.S. Course of Study		Year Graduated H.S.	
College or University		Location	
Major		Cumulative Grade Point Average	
Anticipated College or University Graduation Date			
Other School		Location	
Course of Study		Year Graduated	
Anticipated Graduation Date			

Education *(continued)*

List of Engineering/ Technical Courses taken to date (applicant may refer to transcript):

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Extra Curricular Activities and Hobbies:

--

Professional Data *(provide a brief resume of your work experience)*

Employer		From/To Dates	
Brief Job Description			
Employer		From/To Dates	
Brief Job Description			
Employer		From/To Dates	
Brief Job Description			

Professional Goals

What is your particular interest in a field(s) covered by ASHRAE, and describe one or more ways that the HVAC&R industry affects the lives of people in today's society. (300 words maximum, attach extra pages as required)

--

References

Please provide a total of two references along with a separate letter of recommendation from either: Professor, Faculty, Business Person or Former Employer.				
Name & Relation		Address		Phone
Name & Relation		Address		Phone
Please list any associations with ASHRAE Northeast chapter members.				
Name & Relation		Address		Phone

Basic Criteria which all Scholarships are granted:

1. Full time enrollment in a college, university, or technical institute.
Undergraduate students should be entering their sophomore, junior or senior year with at least one full year of studies remaining in the year for which the scholarship is granted. Graduate students can apply at any point during their studies as long as they have at least one full year of studies remaining in the year for which the scholarship is granted.
2. Study that is applicable to service in the HVAC&R profession.
3. A cumulative grade point average (GPA) of at least 3.0 on a scale where 4.0 is the highest (attach official transcript).
4. Association with the region covered by ASHRAE Northeast Chapter (Capital Region) by attendance to a school in the area or permanent address in the area.

I believe all of the above information to be true and complete and I hereby apply to the American Society of Heating Refrigeration and Air-Conditioning Engineers -Northeast Chapter for an ASHRAE Scholarship. I certify that I am not receiving full funding for my education from an employer, any branch of the Armed Services or any other organization.

Signature of Applicant

Date

Mail or email completed application to: Dave Ricci
Johnson Controls Inc.
116 Railroad Ave.
Albany, NY 12205
518-451-2700
David.e.ricci@jci.com



Message from Newsletter Editor

Always a great event. Be sure to attend this years AHR Expo in Chicago! This event showcase the forefront or what our industry has to offer. Don't miss out!

Be sure to register by following the link:

<https://ashrae.org/membership--conferences/>



Business Card Ads

We are currently accepting business card advertisements for this year's newsletters. The cost of a business card ad is \$60.00 per year. The newsletter is published monthly, September through June (ten total issues).

Your business card ad will circulate to OVER 200 RECIPIENTS each month!

Interested in placing an ad? Please contact cschmidt@b2qassociates.com



Employment Opportunities

We are currently accepting employment opportunity advertisements for this year's newsletters. The cost of a business card ad is \$50.00 per month. Again, the newsletter is distributed to OVER 200 RECIPIENTS each month!

Interested in placing an ad? Please contact me at Erick@rpfedder.com



Northeast Chapter Officers and Board of Governors 2014-15

Chapter President:	Douglas Belokopitsky
President Elect/CTTC/Program Chair:	Dan Williams
Vice President/ Newsletter Editor:	Erick Moser
Treasurer:	David Houle
Secretary:	Adam Feather
Board of Governors	John Thomas
Board of Governors:	Russ Danforth
Board of Governors:	Greg Kirkpatrick
Board of Governors:	Trevor Gensch
Board of Governors:	Tim Houle
Membership Chair:	Liesl Hammer
Student Activities Chair:	Dave Ricci
Research Promotion Chair:	Chris Schmidt
Refrigeration Chair	Ray Hickey
Historian:	Stanley Westhoff
YEA:	Brian Meneghan
Government Activities:	Open



Society News

ASHRAE/IES Proposes Expansion of Climate Zones for Energy Standard

ATLANTA – New proposed climate data could make the ASHRAE/IES energy standard more applicable for global use.

Addendum *w* is one of 10 proposed addenda to ANSI/ASHRAE/IES Standard 90.1-2013, *Energy Standard for Buildings Except Low-Rise Residential Buildings*, open for public comment starting Dec. 5, 2014. The proposed addendum closes for review Jan. 19, 2015. To comment or learn more, visit www.ashrae.org/publicreviews.

The addendum was developed in response to an update of ASHRAE Standard 169-2013, *Climatic Data for Building Design Standards*, which now contains updated climate data and additional Climate Zone 0 with humid (0A) and dry (0B) zones. Addendum *w* adds this climate zone to 90.1. This has global implications for the standard as Climate Zone 0 does not exist in the United States and is primarily used in the equatorial regions of South America, Africa, Middle East, southern Asia and the south Pacific.

“It gives the standard more of an international view with maps and data never before available to users,” Dru Crawley, chair of the Standard 169 committee, said. “Previously there was the single U.S. map. Now there are high-level (1 deg latitude/longitude) maps of the world, covering each continent and major countries.”

Other addenda open for public review from Dec. 5, 2014, until Jan. 4, 2015 are:

- *v* revises fenestration orientation requirements
- *y* adds a new approach to simplified building lighting
- *z* clarifies and modifies the modeling of a baseline HVAC system with air source heat pumps and electric auxiliary heat
- *aa* clarifies an exception in a table in the design model section
- *ad* revises the preheat coil requirement for the baseline building model in Appendix G
- *ae* updates a section related to definitions used with motors
- *af* restores the specification of the rating conditioners for measuring efficiency of heat pump pool heaters
- *ag* limits mechanical cooling for vestibules
- *ah* clarifies lighting requirements

ASHRAE, founded in 1894, is a global society advancing human well-being through sustainable technology for the built environment. The Society and its more than 50,000 members worldwide focus on building systems, energy efficiency, indoor air quality, refrigeration and sustainability. Through research, standards writing, publishing, certification and continuing education, ASHRAE shapes tomorrow’s built environment today. More information can be found at www.ashrae.org/news.