



ASHRAE
Advancing HVAC&R to serve humanity
and promote a sustainable world

The Rebel

THE OFFICIAL NEWSLETTER OF THE ASHRAE SOUTHERN PIEDMONT CHAPTER

October

2011

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November Meeting

November 3,
2011

Thomas Watson,
PE
McQuay

Compressor Type &
Refrigerant Selection

1 PDH Credit

11:30am-1:30pm
RSVP ONLINE
(Registration using

President's Message

[David McDaniel \(Pace, Inc.\)](#)



I would like to thank everyone for coming out to the Fall Golf Outing. I know the weather was a bit dreary, but it was just dry and warm enough to make it through. I had a great time and hope that you all did too.

As we head into fall and enjoy the cool weather, get prepared for our annual Christmas Party to be held on the evening of December the 8th. This is always one of our most attended events and I am certain you won't be let down this year.

As always, thank you for your support of ASHRAE. If there is anything that I can do to make ASHRAE better for you, please let me know.

Programs

[Michael Collarin \(Elm Engineering\)](#)



Have you ever wondered why certain alternative refrigerants are easily adapted to existing technology and others require extensive compressor adaptation? Mr. Thomas Watson, P.E. of McQuay will be able to help you at our next technical meeting. Mr. Watson will be discussing various types of vapor compression technologies with a focus on their application and how refrigerants and compressors are related respectively by their simple mechanical and

[PayPal is available online, or you can RSVP by email to Michael Collarin\)](#)

Byron's Southend
101 W. Worthington
Avenue, Suite 110
Charlotte, NC 28203

2011-2012 Programs Calendar

November-

3rd - Lunch Meeting
Short State of the Union &
Refrigeration/Compressor
Relationship
Tom Watson, ASHRAE
President Elect

December-

8th - Christmas Party and
Auction

January-

5th - Lunch Meeting
Using the Retro-
Commissioning Process for
Energy Savings
Hoy Bohanon, Working
Buildings

February-

2nd - Lunch Meeting
The Emergence of Hybrid
Geothermal Systems
David Pleasants, JGPCO

March-

1st - Lunch Meeting
Ice Storage
Mark Johnson, CALMAC

April-

5th - Lunch Meeting
What is Variable Refrigerant
Flow?
Tim Buford II, Mitsubishi

May-

thermodynamic properties. Since Mr. Watson is also ASHRAE's Board of Directors President-Elect, he will also be providing a brief "state of the union" on ASHRAE as a Society.

One (1) Professional Development Hour will be provided for attending this technical session.

We experienced some technical difficulties with our PayPal account last month, but I am pleased to announce that this has been remedied. Once again, you can pay via credit card or with a PayPal account and as always, checks and cash are still accepted at the door. If you intend on paying at the door, please RSVP at your earliest possible convenience so that we can plan accordingly. To make your reservation by e-mail, please e-mail me (mcollarin@elmengr.com) PRIOR to Tuesday afternoon. Any e-mails received after Tuesday will be considered Late RSVPs and you will be asked for \$25 at the door.

Once again, our monthly meeting will be held at Byron's South End. During the last few meetings, we have had several folks use either the light rail or carpool. Hopefully this trend continues.

He is married to the former Rebecca Champion, and he and Becky have two children.

Research Promotion

[Daniel Flora \(Talbot & Associates\)](#)



For those of you that came out last week to brave the elements for the fall tournament, I would like to say Thank You for your faithful support. This just goes to show that you support ASHRAE come rain, wind or sunshine (I wont push the snow)!! It also showed me a lot about your dedication to the southern piedmont chapter and the society's goals for research promotion. Thank our tournament sponsors if you see them out and about

Hoffman Building Technologies & Alerton
Mike Moore Sales & Ebtron
TPM Inc.
Weeks Williams Devore

3rd - Lunch Meeting
Building Information Modeling
for the Mechanical Disciplines
Dennis Knight, Whole Building
Systems

16th - Spring Golf Tournament

Keep us on your calendar for December 8th for our annual Christmas auction and donor recognition night. Tony Furr of Classic Auctions will make his return as auctioneer and said that he is looking forward to seeing our group again.

This month I would also like to thank all of the \$500+ donors to the 2010/2011 campaign. These members and companies really stepped up to the challenge to help us reach our goal of \$38,000 last year, especially in light of the economic issues we were (and still are) facing. THANK YOU!!

Mike Moore Sale & Consulting LLC
Schneider Electric
Hahn-Mason Air Systems - Charlotte Branch
James D McDaniel (SP Current President!!)
Paul Tuggle
Adams Companies
Airtight Mechanical Inc
Charlotte Engineers LLP
Trane Carolinas (Charlotte Branch)
Charlotte Temperature Controls
LT Mechanical Inc
Heat Transfer Sales (Charlotte Branch)
Superior Mechanical Systems
Activelogix
Bruce Air Filter Company
Faulkner Haynes & Associates (Charlotte Branch)
MAMAC Systems Inc
Piedmont Natural Gas Co. (Charlotte Offices)

I look forward to working with these fine ladies and gentleman this year to exceed our goal!!

Membership

[Jason Smith \(Carrier Corporation\)](#)

Why Join ASHRAE?

Have you ever heard the saying, "it's a small world"? This certainly rings true once you join ASHRAE's global network, ASHRAE members bring this big world of ours together through the exchange of technical information, writing of standards, and through committee work and



networking. When you join ASHRAE, you are making an investment in yourself. When you become active in the Society by giving your time and sharing your knowledge, you get even more out of that investment. As a member of ASHRAE, you will have valuable resources at your fingertips to include the ASHRAE Handbook (most widely cited reference in our industry), ASHRAE Journal (monthly magazine to bring current trends and information to you), and E-Newsletters and Discounts. You can become the office expert and build a network that is priceless to your enjoyment of ASHRAE and success in your career.

Prospective members are always welcome to attend! I would like to welcome the following new members to our chapter:

- Dustin Branting
- Karl Rueca

For all existing members: Do you have 12 Society-approved* years of experience? If so and you are currently an Associate Member, **you may be eligible to upgrade to Membership status at no additional cost!** *Includes completed education beyond high school, work experience in work related to ASHRAE field, and Professional Engineering license. Why upgrade? Prestige, recognition in Society newsletter, recognition at chapter meeting, eligibility to serve on a technical committee, to serve in a chapter officer or regional role, to qualify for Society awards, and more!

If you have any membership related questions, please do not hesitate to contact me at jason.smith@carrier.utc.com or (704) 301-3067.

Student Activities

[Neil Possiant \(Adams Companies Inc.\)](#)

SA will be looking for speaker volunteers for UNCC. We (hopefully) will be providing some contact info for those interested in working with the K-12 group.



Do you know an Undergrad engineering major that may be interested in our field? Then they may also be interested in our scholarships. Deadline is Dec and they will need to speak with a current BOG member and campus faculty member to complete their forms. ASHRAE offers numerous scholarships from \$10K at the Society levels to several thousand or hundred at the local level. Contact Neil or Todd for more info or go to the Student Zone at ASHRAE.org.

Young Engineers in ASHRAE

[Adam Parker \(Pace, Inc.\)](#)



We are still working out final details on the first YEA event of the fall. At this time, it looks like this event may include meeting up for some drinks and bowling after work. A tentative date of Thursday, November 17th is currently in focus. Once everything is finalized, you will be receiving a separate invite with more details regarding this event.

I would also like to ask that everyone take a moment to again fill out our YEA event survey that was first introduced last year. The survey helps us a great deal for planning future events that best fit our members, so please help us by taking the time to fill it out. The survey can be found by clicking [here](#). We also gladly welcome any input from all of our members for events, so please voice your ideas by emailing us at charlotteyea@gmail.com.

In Remembrance

Lynn G. Bellenger



Immediate past ASHRAE President Lynn G. Bellenger, who served as the first woman president in the Society's 116 year history, passed away Wednesday, Oct. 19. She was president for the 2010-11 Society year, with her term ending in June 2011.

Bellenger, P.E., Fellow ASHRAE, was a recognized expert in energy

management, with a strong focus on the need for energy modeling to help create and refine more efficient buildings. She was a partner, Pathfinder Engineers & Architects, Rochester, N.Y.

"We at ASHRAE are greatly saddened by the death of our former president and our friend," Ron Jarnagin, ASHRAE president, said. "Her lifelong passion for engineering excellence resonated within our membership and our industry, inspiring us through her belief that engineers will lead an energy revolution with innovation. Through her service, she showed that there is a path available to all who wish to extend the influence of engineering principles to better serve the world we live in."

As ASHRAE president, Bellenger focused on Modeling a Sustainable World, sharing her thoughts about the role of modeling tools and how all involved in the built environment industry must come together to take advantage of "the rich opportunities for optimizing building performance through a collaborative approach from the beginning."

In an interview last year, Bellenger talked about her involvement in energy efficiency and how much has been put in recent years on the need to save energy.

"One of the cool things about the sustainability movement is that it has ignited a passion in people that is changing the world. That passion has brought a sense of energy and excitement to the industry and attracted people who are committed to designing and operating

sustainable buildings. I don't see that changing in the future," she said.

Bellenger is a recipient of an ASHRAE Exceptional Service Award, a Distinguished Service Award, two first-place ASHRAE Technology Awards and the Lincoln Bouillon Membership Award.

She received a Bachelor of Science in mathematics from Principia College and a Master of Science in environmental science from Rutgers University.

If you would like to send your condolences please respond to publicrelations@ashrae.org. Messages will be assembled into a remembrance for the Bellenger family.

Announcements

ASHRAE STANDARDS LIBRARY

Check out the main library in downtown Charlotte for hard copies of all of the ASHRAE Standards. These are available in the reference section.

Email tracie.monfort@hesm.com to add announcements, job postings, etc. in future newsletters.