

The official newsletter of the Triangle Chapter of ASHRAE
(the American Society of Heating, Refrigeration and Air conditioning Engineers)

CHAPTER NEWS:

President's Message

Wow - How time flies! We only have three (3) ASHRAE Triangle Chapter Meetings remaining for the rest of the 2017 thru 2018 year, but that does not mean we are slowing down by any stretch of the imagination. For example, please check your calendars for the following:

- 1) March Chapter Meeting on March 14th
- 2) Sustainability Project at Marbles Kids Museum on April 7th
- 3) April Chapter Meeting on April 11th
- 4) YEA Cornhole Event at Lynwood Brewing on April 13th
- 5) ASHRAE Webcast at Dewberry Offices on April 16th
- 6) CRC Planning Meeting in Columbia, SC on April 27th-28th
- 7) Annual ASHRAE Golf Outing on May 9th
- 8) 2018 ASHRAE Leadership Academy in Atlanta, GA on May 18th-19th
- 9) A Day on the Hill GGAC Activity in downtown Raleigh on June 5th
- 10) Chapter Regional Conference (CRC) in Orlando, FL August 8th-11th

And I am sure there are more that I am unable to remember at this particular moment, but it looks like a very busy upcoming schedule of activities for all the Triangle Chapter Members.

As I mentioned at the February Chapter Meeting we will be passing out ballots for the 2018 thru 2019 year. If you or someone you know are interested in serving on a Committee or as an Officer please let myself or one of the BOG Members know so we can get you signed up. I am happy to say that most of our Committee Chairs and Officers are agreeing to serve additional terms, but we are always looking to find new talent to support our cause.

I have also mentioned in previous messages how fortunate I am to serve with leaders of our group that have committed so much of their time and efforts to help our cause. Another example of this is the recent ASHARE Chapter Scholarship Fund Raiser Bowling Tournament that was held at AMF Bowling in Raleigh. Special thanks go out to the organizers of this event including Weston Hockaday, Natalie MacDonald, and Kirby Lee. Also, thanks go out to all our sponsors for the event including Hoffman + Hoffman, Heat Transfer Sales, and Mule City Specialty Feeds.

Finally I want to express my deepest sympathy for the family of Dave Austin (1938-2017). Dave passed away on December 11th, 2017. He was employed by Brady Trane, Inc for forty years and during that time period he managed the Raleigh office. He was our ASHRAE Triangle Chapter President in 1977-78, and was very active in the Chapter as well as the Regional activities. I personally had the opportunity to work with Dave in the earlier years of my career, and I knew him to be a knowledgeable, trusted advisor that helped me tremendously. I will always be thankful for his many personal and professional contributions.

Thanks to all and I'll see you at the next ASHRAE Meeting!!
Greg Mills
2017-2018 Chapter President
March 1, 2018



Upcoming Events

March 14, 2018

5:30 PM to 8:00 PM

Dinner Meeting:
ASHRAE Stds on
Waterside Construction
and Design

@ Royal Conference Center
Speaker: Chris Edmondson

April 07, 2018

9:00 AM to 3:00 PM

Community Outreach &
Sustainability Project

@ Marbles Kids Museum
Join ASHRAE as we
contribute to the
development of children by
improving the fun PLAY
zone at Marbles.

April 11, 2018

5:30 PM to 8:00 PM

Dinner Meeting:
Climate Change Debate

@ Royal Conference Center

April 13, 2018

1:00 PM to 6:00 PM

Spring Cornhole Tourney

@ Lynnwood Brewing
Concern
Toss some bags of corn,
have a lot of fun, and help
support ASHRAE research!

First Annual Bowling Tournament



The first ever bowling tournament was a success! Six teams came to compete to raise money for the Triangle Chapter's student scholarship fund. Everyone enjoyed competing for first place as well some drinks and pizza! Thank you to our sponsors Hoffman&Hoffman, Heat Transfer Sales, and Mules City Specialty Feeds!

Congrats to the:
First place team, the "Cherri Berries" (Below: John Quiocho, Kibry Lee, and -not shown- Hannah L.),
Our second place team "Adams" (Right: Peter, Rob, and Robbie), and
Our third place team "Mule City" (Right, & Below: Weston Hockaday, Bill W., and Caroline Hockaday)



Congrats to John Quioco for winning the "Most Strikes" of the tournament!



Natalie MacDonald won a miniature bowling set to work on her bowling for next year after winning most gutter-balls. (At least she tried).



NEWS OF THE SOCIETY:

2018 Annual ASHRAE Conference

In Houston on June 23-27, 2008

ASHRAE Standard 90.1-2016 Receives Determination from U.S. Department of Energy

ASHRAE received a final determination issued by the U.S. Department of Energy (DOE) Building Energy Codes Program stating that ANSI/ASHRAE/IES Standard 90.1-2016, Energy Efficiency Standard for Buildings Except Low-Rise Residential Buildings, would achieve greater energy efficiency in commercial buildings subject to the code. Standard 90.1-2016 was published in October 2016.

The standard achieved this determination through DOE analysis indicating that buildings meeting 90.1-2016 (as compared to the previous 2013 edition) would result in national energy cost savings of approximately 8.2 percent, as regulated by the model code.

The follow are DOE's estimates of national savings in commercial buildings: 8.3% energy cost savings, 7.9% source energy savings, 6.8% site energy savings

2018 Joint Chapters' Regional Conference

August 8-11, 2018 - -Lake Buena Vista, Florida

Attending Regions and Chapters:

Region 4 Chapters: Atlanta, Charleston, Greenville, North Piedmont, South Carolina, Southern Piedmont, Southern Piedmont, Triangle

Region 12 Chapters: Florida West Coast, Central Florida, Miami, Jacksonville, Gold Coast, Spacecoast, Southwest Florida, Puerto Rico, Argentina, Chile, Brazil, Colombia, Ecuador, Paraguay

Region 4 Sections: Macon, Myrtle Beach, Savannah, Hickory

Region 12 Sections: Sarasota-Bradenton, Costa Rica, Panama, Dominican Republic, Peru

Lead by: Region 4 Director and Regional Chairman George W. "Billy" Austin Region 12 Director and Regional Chairman Daniel Rogers

Location: Official Hotel: World Center Marriott 8701 World Center Drive, Orlando, FL 32821, 407-238-4200

ASHRAE Webinar - Making Energy Efficiency a Reality

April 19, 2018 from 2:00 PM to 3:00 PM

Watch on your PC, or join the chapter and watch it as a group.

Debunk myths about energy efficiency during the FREE ASHRAE Webcast. Featured ASHRAE speakers will discuss the ability of commercial and high-rise residential buildings in North America and developing economies to effectively achieve optimum energy performance. There is not a "one size fits all" design for buildings. Learn best design practices to achieve optimal energy performance in varying climate zones and economic conditions. Understand when technologies can be applied regardless of climate zone and when climate zone and economic conditions limit the potential implementation of various energy efficiency measures.

TO REGISTER TO VIEW BY YOURSELF: (registration will be available beginning March 19, 2018)
<https://www.ashrae.org/membership--conferences/webcasts>

If you wish, join fellow HVAC professionals and watch it in a group at Dewberry!
NOTE: if you watch with us, register ONLY with us, (so we can get a headcount for lunch).
You don't have to register at ASHRAE.com

Speakers:

Tom Durkin, PE, LEED AP, ASHRAE Fellow, Senior Partner, Durkin & Villalta Partners Engineering, Indianapolis, IN
Mark Frankel, ASHRAE, AIA, LEED Fellow, Technical Director, New Buildings Institute, Portland, OR
Christopher Mathis, ASHRAE, President, Mathis Consulting Company, Asheville, NC

Sponsor: This webcast program is brought to you by the ASHRAE Chapter Technology Transfer Committee.

In Memory of David William Austin

March 27, 1938 - December 11, 2017

**"Oh, I have slipped the surly bonds of earth...
put out my hand, and touched the face of God."
John Gillespie Magee, Jr.**

David was born in Atlanta, GA on March 27, 1938 to Jerome Hollis and Mary Shuey Austin. He graduated from Henry Grady High School in Atlanta in 1955, where he was co-president of the student body. He attended Duke University, graduating Magna Cum Laude in 1959 with a degree in mechanical engineering. At Duke, he was a member of Phi Delta Theta fraternity, on the swim team and was elected to the Phi Beta Kappa and Tau Beta Pi honor societies. After graduation, he married his high school sweetheart, Diane Thomas, to whom he was happily married for 58 years.

David served in the US Air Force and was discharged in 1962 with the rank of Captain. He then joined The Trane Company, working for 40 years in air-conditioning sales and sales management at Brady Trane, Inc., the Greensboro-based franchise. He became a registered professional engineer in NC in 1976, and he retired as general manager in 2002.

David and Diane have three children, Susan, Cathy and Tim. They became members of Hudson Memorial Presbyterian Church after moving to Raleigh in 1965, where David served as deacon, elder, president of the Hudson Memorial Foundation, and chairman of numerous committees. He was an instrument-rated private pilot for many years, and enjoyed hours soaring the heavens in his Cessna Skylane. Besides flying, David enjoyed woodworking and home projects, golf, tennis, boating, family and friends. After retirement, David and Diane devoted many years to building a log home in the mountains, where their greatest joy was entertaining family and friends.

He is survived by his beloved wife, Diane, children Susan Amey and husband Bill of Durham; Cathy Austin and husband Doug Henken of Falls Church, VA; Tim Austin and wife Marti of North Plainfield, NJ; grandson B.A. Amey (Lindsey) of Grand Rapids, MI and great-grandchildren Hayleigh, Alivia and Leena; grandson Brian Amey of Durham; grandsons Liam, Owen and Ethan Austin of North Plainfield; step-grandson Ben Henken (Heather) of Warrenton, VA and great-grandchild Taylor; and his sister Ann Austin Nable of Atlanta, GA.

Donations may be made to the Duke Raleigh Cancer Fund (found at dukehealth.org), or to Hudson Memorial Presbyterian Church in Raleigh.



Committee Reports:

Student Activities:

Student Activities Committee has been active and busy! We have gained more new members and had our first annual bowling tournament at AMF Bowling Lanes! Other events that have our members have been involved with include:

1. Judging the 5th grade engineering competition at Brentwood Elementary for Engineers Week
2. Volunteering for Multiplication Club at Laurel Park Elementary School
3. Presented to NC State student branch on resume tips
4. Presented to ECU about the ASHRAE Triangle Chapter as well as a facility tour
5. Presented to underclassmen undergraduate students at NCSU to promote membership in ASHRAE
6. Multiple resumes from student have been posted on the Triangle ASHRAE web page so please check them out if you are hiring!

If you are interested in getting involved with any of our Student or K-12 activities, or have any ideas for further involvement, please reach out to me at StudentActivities@triangleASHRAE.com

Regards,
Natalie MacDonald, Student Activities Chair

Committee Reports:

Research Promotion

We are off to a good start raising money for the 2017-2018 campaign, but we can use all the support we can get. We have currently been credited with just over \$16,000 turned in of our lofty \$29,000 goal. There is still money coming in from yearly chapter sponsors, but we can still use all the help we can get! Have you considered started an ASHRAE endowment to fund your yearly research donations for years to come? Contact me for more information.

We have a Spring Cornhole Tournament coming up on Friday April 13th back at Lynwood Brewing Concern. All money for registration goes directly to ASHRAE research. Please come join us. We had a lot of fun out there last time, and it is sure to be a great afternoon of fellowship with your ASHRAE friends once again.

The annual Spring Golf Tournament is rapidly approaching which is a major event for raising money for ASHRAE research for the Triangle Chapter year in and year out. We are excited to be returning to River Ridge on Wednesday May 9th. Look for information to sign up your groups coming soon. Hole sponsorships are nearly sold out, but we still have availability of beverage cart sponsorships and a lunch sponsorship. Please contact me for more details.

If you haven't made your yearly contribution to ASHRAE, you can do it now at www.ashrae.com/contribute

Regards,
Chris Norwood , Research Promotion Chair

Committee Reports:

Membership Promotion

Now to steal a line from a famous kid's show from before when most of you were born: "What time is it kids?"
It's ASHRAE time – all the time!

We're coming up on Spring promotion in April for you to introduce ASHRAE to a friend – but you can do that anytime too!

Please come to a meeting to network and see what ASHRAE has to offer!

After all, our businesses are based on what ASHRAE guidelines promote and all our businesses rely on this foundation to function.

ASHRAE's existence and growth depends on the ongoing efforts of the volunteer workforce and the dedicated folks who see the benefit of what ASHRAE means to their businesses.

I hope you will join ASHRAE and come to a TRIANGLE meeting soon!

Sincerely,
Lorrie Todd, Membership Promotions Chair

Committee Reports:

GGAC - (Grassroots Government Advocacy Committee)

Triangle ASHRAE will be involved in its 2nd Annual Day on the Hill Event scheduled for June 6, 2018. Volunteers will visit state legislators, specifically those on committees related to the built environment and energy to discuss how ASHRAE can be a resource and tool for them. If interested in volunteering for the day, please contact Adam Sippel at asippel@trane.com.

Governor Cooper proclaims "Nationals Engineers Week" in North Carolina for the week of February 18-24, 2018.



State of North Carolina

ROY COOPER
GOVERNOR

NATIONAL ENGINEERS WEEK

2018

BY THE GOVERNOR OF THE STATE OF NORTH CAROLINA

A PROCLAMATION

WHEREAS, engineers use their scientific and technical knowledge and skills in creative and innovative ways to fulfill society's needs; and

WHEREAS, engineers face the major technological challenges of our time – from rebuilding towns devastated by natural disaster; cleaning up the environment; and assuring safe, clean, and efficient sources of energy; to designing information systems that will speed our country into the future; and

WHEREAS, engineers are encouraging our young math and science students to realize the practical power of their knowledge; and

WHEREAS, we rely on engineers to use their knowledge and skills to meet the challenges of the twenty-first century;

NOW, THEREFORE, I, ROY COOPER, Governor of the State of North Carolina, do hereby proclaim February 18 – 24, 2018, as "NATIONAL ENGINEERS WEEK" in North Carolina, and commend its observance to all citizens.




Roy Cooper
Governor

IN WITNESS WHEREOF, I have hereunto set my hand and affixed the Great Seal of the State of North Carolina at the Capitol in Raleigh this twenty-sixth day of January in the year of our Lord two thousand and eighteen and of the Independence of the United States of America the two hundred and forty-second.

Leadership Recall

Interview with Ginger Scoggins

(Below is a recap of the communication between 2015-2016 Triangle Chapter Historian Mr. Gregory A. Mills, PE, CEM, LEED AP BD+C, and 1995-1996 Triangle Chapter Past President Ms. Ginger Scoggins, PE, CEM, CxA on June 29, 2016.)

Q1) *What steered you towards mechanical engineering in the early stages of your career? College classes, HS classes, other?*

A) I started college as a math major, intending to be an actuary. However, the more I looked into it and understood that there was a series of 9 tests that were required, and a preferred degree in statistics, the more I felt it wasn't for me! My school didn't offer a degree in statistics. I had a good friend that was in mechanical engineering who convinced me to change direction. Interestingly, I took an elective for HVAC Load calculations simply because my favorite professor taught it – it was the only class where I sold back the book because I didn't think I would ever use it – and it was the reason I got my first job in this industry.



Q2) *Do you feel the education you received in college prepared you for what you have seen in your career? Anything you would have done differently?*

A) I think a degree in mechanical engineering is a somewhat broad degree, which prepares you for many different careers. Most importantly, I think a degree in anything teaches you to think, which is the most valuable lesson learned from going to college in my opinion. Since my degree in mechanical engineering has led me to this profession, which I really enjoy, I would not have done anything differently.

Q3) *Who was the greatest influence on you as a young engineer?*

A) That is an interesting question as I would like to name other female engineers that taught me how to survive this business. However, there were no female engineers when I started in this industry that I knew, so I'm not able to list any! I was lucky enough to have a series of male engineering counterparts that I learned from in my early days in this industry, and I have to credit my involvement in ASHRAE as the most valuable effort that I put into my career, as it allowed me to get to know so many people that could help shape my future.

Q4) *What engineering project or accomplishment that you have done in your career do you find to be the most rewarding? Any "lessons learned"?*

A) I would have to say my advancement within ASHRAE has been the most rewarding part of my career. I've been fortunate to sit in rooms with leaders in our industry, and the knowledge base of these individuals always leaves me in awe. As for the second question, there are a ton of lessons learned – too many to put into this response! I still learn every day, and will still have many more learned lessons thru-out the remainder of my career – at least I hope so.

Q5) *What do you consider the greatest challenge facing ASHRAE today with regards to recruiting young talent to our industry?*

A) ASHRAE has done a phenomenal job of recruiting young talent into our industry. The YEA (Young Engineers in ASHRAE) currently makes up 10% of our ASHRAE member base, and is growing every year. We need to continue this trend by improving our offerings and educational tools for newly-minted engineers and by continuing to offer opportunities to this demographic for advancement within our organization.

Q6) *If elected to Society Level President (I hope you do!) what would be your theme or message to our fellow ASHRAE Members?*

A) The thought of being ASHRAE president is daunting, but if it did occur I think my theme would rally around a membership-based focus. ASHRAE is a grassroots organization with our strongest advantage being our membership, and I wouldn't want to lose this focus.

Q7) *Any future goals for the later stages of your career? Early retirement, spend time with kids, etc?*

A) Survive (JK). I would say to maintain my company and enjoy life! Early retirement would be nice, probably for about 6 months before I would go stir crazy. The kids are always my focus, regardless of where they end up in the next few years.

Q8) *What one law, regulation or guideline would you like to see changed that effects how we design building engineering systems?*

A) I would like to see engineers focus more on being a profession where we don't under-cut each other in both our practices and our fees, allowing us to rise above that tendency as other professions (doctor, lawyer) have managed to do.

Q9) Do you think LEED is going by the wayside? Is new ASHRAE Std. 189 going to take over?

A) I think the LEED process is a good process that really got our industry thinking about environmental improvements. I also think that now there are a multitude of good options that are similar to LEED that owners can use that might fit their needs better than the full LEED process. ASHRAE 189.1 is currently an optional standard, not required to be followed by the IBC. If it is adopted into the building codes, then there is less of a need for LEED certification since meeting Standard 189.1 somewhat makes the LEED process mute. However, I'm sure the USGBC will adapt and raise the bar accordingly!

Very Respectfully,
 Gregory A. Mills, PE, CEM, LEED AP BD+C
 Chapter Historian 2016-2017

Contact US	Thank you to our sponsors!!	INFORMATION available on the Chapter Website:
<p>President: Gregory Mills: President@TriangleASHRAE.org</p> <p>Membership: Lorrie Todd: Membership@TriangleASHRAE.org</p> <p>Webmaster & eMail: Ed Davis: Webmaster@TriangleASHRAE.com</p> <p>Want to join ASHRAE? Go to https://www.ashrae.org/membership--conferences/join-now</p> <p>Click "Join Online" Fill out the Information You now belong to ASHRAE ! If you selected the Triangle Chapter as your "home chapter" than within a day your data will be merged with our website as a national AND chapter member, so you can fully use the chapter website's information.</p> <p>Check out our Facebook Group: https://www.facebook.com/groups/TriangleASHRAE/</p>	<p>Bernhard MCC</p> <p>Brady Trane</p> <p>CaptiveAire</p> <p>Chapman Company</p> <p>Dewberry</p> <p>Faulkner Haynes</p> <p>Hahn Mason</p> <p>Heat Transfer Sales</p> <p>Hoffman & Hoffman</p> <p>James M. Pleasants Co</p> <p>Johnson Controls</p> <p>Kirlin Carolinas, LLC</p> <p>Palmetto Air & Water</p> <p>SPC Mechanical</p> <p>SSI Services</p> <p>Thermal Resource Sales</p> <p>UV Resources</p> <p>Xylem</p>	<p>www.TriangleASHRAE.com</p> <p>Calendar of Events, Chapter Officers, Committee Members, (names, pictures, contact info)</p> <p>About ASHRAE Chapter Charter & Bylaws Classified (local) Job Listing Posted resumes (of members)</p> <p>Also available on the website (for Members):</p> <p>Past Newsletters, BoG Meeting Minutes, Past Meeting Slides Past Chapter Newsletters</p>