



Giga-Joule

Greenville
Chapter of
ASHRAE

February 2005

Meeting Announcement

This month's meeting will be held on **Tuesday, February 15, 2004 from 11:30 AM to 1:00 PM** at the **Roper Mountain Science Center** located at the intersection of I-385 and Roper Mountain Road. For directions, please contact Programs Chairman, James Bryan, by phone at 864-298-2148, email at programs@ashrae4greenville.com or by visiting <http://www.ropermountain.org>.

A Message from the President

Karl Counts PE
Greenville
Chapter President



I want to issue thanks to all the members and guests of last month's meeting. Don't take this the wrong way, but it was really exciting to have to scramble and find seating for so many people. We had 47 people in attendance! That is the largest attendance in recent memory for a regular meeting. I am encouraged by our turnout and also by comments on the program evaluation form. We had many responses praising the coverage of the topic and the knowledge of our speaker. It was evident that the more technical discussion of refrigerants and ASHRAE Standard 15 struck a cord with you, our members. I want to thank ASHRAE Director at Large, Tom Watson, for taking time away from his family and work to visit our chapter and present this program.

Now to harp even more on the fine attendance last month, I would like some feedback from you, our members and guests, of our January meeting. You see, I would like to see this level of attendance for all our meetings. The Board of Governors is working continuously to upgrade our programs to be of more value to you. What brought you out in such fine numbers last month? Was it the specifics of the topic? Was it the credentials of the presenter? Was ASHRAE participation one of your New Year's Resolutions? Please let me know.

If you have any questions or comments, please feel free to contact me.

Karl F Counts PE
Greenville ASHRAE President
president@ashrae4greenville.com

Chapter Programs

We had a very successful turnout (47 people) and program last month. I'd like to thank Tom Watson for a great topic with an average rating of 92.6. ASHRAE Standard 15 is very important to all of us.



This month the Greenville Chapter is pleased to feature another ASHRAE Distinguished Lecturer, Mr. Glenn Brower.

Program: *Fiberglass Insulation – The Key to a “Well Building”*

This talk addresses a number of issues related to insulated duct systems. The primary focus is the role of energy efficient ducts in providing acceptable indoor environmental quality. The thermal, acoustical, and ventilation quality (VOC's, mold, duct cleaning) issues related to insulated ducts will be discussed. The goal is to provide the engineering audience with background information regarding the performance attributes of insulated duct systems and performance considerations for material selection and specification.

Presenter: **Glenn A. Brower - ASHRAE Distinguished Lecturer**

Glenn A. Brower received his B.A. in Chemistry from DePauw University, Greencastle, Indiana, and M.S. in Mechanical Engineering from Rensselaer Polytechnic Institute, Troy, New York. Mr. Brower is the Vice President of Research at Knauf Fiberglass in Shelbyville, Indiana. He has been with Knauf Fiberglass for six years and has twenty-three years experience in the insulation industry with significant emphasis on mechanical insulation materials and systems. He is a past Chair of ASHRAE TC 4.13 and Corresponding Member of TC 5.2 and 4.4. He has been a member of ASTM C16 (Thermal Insulations) since 1985, and a member of the UL 181 (Factory Made Air Ducts) Industry Advisory Council since 1987. He is a Technical Committee Member of the North American Insulation Manufacturers Association for HVAC Insulations and Industrial/Commercial Insulations, the NAIMA Regulatory Affairs Committee, and the NIA Technical Information Committee.

Location: Roper Mountain Science Center (see front page for directions)

Date: Tuesday, January 18, 2005

Time: 11:30 a.m. Doors Open
11:35 a.m. Lunch Served
11:50 a.m. Chapter Business
12:00 a.m. to 1:00 p.m. Main Program

Cost: \$10/person (includes a catered lunch) **Guests are welcome!**

Education Credit: This program qualifies for 1.0 PDH

James Bryan PE
Programs Chairman

Please RSVP to programs@ashrae4greenville.com no later than Thursday, February 10, 2005

Membership Corner

Don't forget that February is our second membership promotion emphasis meeting for this ASHRAE year. If you know someone ready to fill out a membership application bring them with their application to the meeting and you both eat free. We've also got our year long membership contest where the person that gets the most new members receives \$100 gift certificate to their favorite restaurant. Only one person has submitted any names to me (they need to be submitted to me via email) so right now he's a shoe in.

New members so far this year are Michael Wienold, Jeffrey Lindsey, Lawrence Pittman, Jeremy Galloway and Robert Foldes.

Attendees at January's meeting were Jamie Fry, Robert Simpson, Brent Abbott, Jake Joye, Bill Chisholm, Lee Capps, Mike Wienold, Walter Tuttle, Jeff Lindsey, Ken Creswell, Barry Jones, Gary O'Steen, Charles Claussen, Bill Knight, Curtis Hall, David Brown, Mark McKay, Stan Hix, Rodney Hinton, Jamie Porterfield, Shane Bulman, Jeremy Galloway, John Powell, Lee McElrath, Jack Edney, Carroll Suttles, Dennis O'Keefe, Devon Cortright, Patrick Leake, Chip Alison, Jim Ridenhour, Ron Fleischman, John Bindewald, Bob Dendy, Scott Houston, Mark Schnetzka, Ryan Degraw, Ken Clark, Keith Mattison, Art Hutson, Paul Porter, Walter Henson, Karl Counts, Jeff Mitchell, Kyle Loseke.

Applications can be obtained at our regular meetings or call me at (864) 233-7966.

Caroll Suttles
Membership Chairman

Technology, Energy, & Government Activities

Technology Awards

Know of an innovative project that may be award worthy? If so, submit it for an ASHRAE Technology Award. Contact me or visit: <http://www.ashrae.org/standcom/tegaward.htm> for forms and more information. Then proceed as follows:

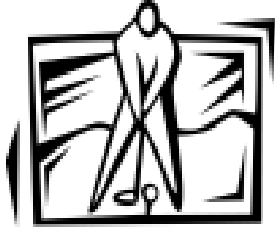
- Complete the "Short Form" and use it as the cover page.
- Provide a system schematic/diagram not larger than 11" x 17" in size. In addition, attach a brief narrative (maximum of 2 pages). The narrative should include the gross and net building areas applicable to the project, a description of the major building areas (i.e., operating rooms, laboratories, computer rooms, industrial processes, offices, warehouses) and a brief discussion regarding the following five criteria (if a criterion is not applicable, state accordingly):
 - Energy Efficiency
 - Indoor Air Quality
 - Innovation
 - Operation & Maintenance
 - Cost Effectiveness
- Submit your schematic, brief narrative, and completed form to me for judging at the Chapter level.

Applicants will receive recognition and have the chance to advance to Regional & Society level competition.

Jamie Porterfield
CTT (Chapter Technology Transfer Chairman)

Resource Promotion

The next fundraiser for ASHRAE Resource Promotion will be our Spring Golf Outing. We've decided to hold the event at the Pebble Creek Country Club in Greenville. Date hasn't been determined yet, but in keeping with past traditions, it will be held during the first week in May. This will be a major fundraising effort and I'm hoping to fill up the course with hole sponsors. Please don't wait for me to call you. If you or your company can sponsor the event let me know and keep early May open!



Date: May 2005, 12:00 noon,
Location: Pebble Creek Country Club, Greenville.
<http://www.pebblecreek-club.com/>

Once again, I'm listing Corporate Sponsors to the Greenville Chapter for the last 5 years. I would ask that the membership help support those contractors, architects, engineers and vendors, past and present, which have supported Resource Promotion, by making your purchases through them. It would be great if all these companies were spring golf outing sponsors.

Accuflo Services Incorporated
Carrier Building Systems & Services
Carrier Corporation
The Copy Spot, Inc.
Devita & Associates, Inc.
Duke Energy Corporation
Duke Power Co.
Energy Engineering, Inc.
Hahn Mason Air Systems
Hefco LLC
Invesys Building Systems
James M. Pleasants Co.
Johnson Controls Inc.
Trane
United Engineering Group
York International

Marshall Clarke Architects, Inc.
Leblanc Welch Inc.
Miller Engineering Inc.
Palmetto Air & Water Balance, Inc.
Peritus Engineers & Associates, Inc.
Leblanc Welch Inc.
Miller Engineering Inc.
Palmetto Air & Water Balance, Inc.
Peritus Engineers & Associates, Inc.
Piedmont Natural Gas
R. L. Kunz, Inc.
Sanders Brothers, Inc.
Sonopress
Waldrop Heating & Air Conditioning
Wade Crow Engineering

Individual sponsors for this year's 2004–2005 Resource Promotion campaign include:

Mr. Phillip W. Scoggins
Mr. Patrick R Leake
Mr. Robert W. Wiggins, Jr.
Mr. Karl Counts
Mr. Edwin W Evans

Mr. Robert Speer
Mr. Paul E. Jensen
Mr. William D. Knight, Jr.
Mr. Dennis O'Keefe
Mr. James E. Reeves, Jr.

If anyone has any ideas on fundraising events that we could apply to this Chapter please see me after the meeting. Thanks!

Dennis O'Keefe
Resource Promotion Committee Chairman

Greenville Chapter ASHRAE

2004-2005 Chapter Officers

| Office | Officer | Company | Phone | Fax | email |
|----------------|-------------------|-----------------------|----------|----------|--|
| President | Karl Counts | Maddox Engineering | 250-2143 | 233-8460 | president@ashrae4greenville.com |
| Programs/ VP | James Bryan | O'Neal, Inc. | 298-2148 | 298-6330 | programs@ashrae4greenville.com |
| Secretary | Karl Counts | Maddox Engineering | 250-2143 | 233-8460 | president@ashrae4greenville.com |
| Treasurer | Devon Cortright | H2L | 233-8844 | 232-2679 | dcortright@h2l.com |
| Membership | Caroll Suttles | Piedmont Natural Gas | 233-7966 | 233-6104 | membership@ashrae4greenville.com |
| Resource Prom. | Dennis O'Keefe | Piedmont Natural Gas | 250-2822 | 250-0585 | resourceProm@ashrae4greenville.com |
| CTT | Jamie Porterfield | Waldrop Heating & Air | 578-7252 | | ctt@ashrae4greenville.com |
| Historian | Steve Abernathy | Piedmont Natural Gas | 233-7966 | 233-6104 | history@ashrae4greenville.com |
| Webmaster | Karl Counts | Maddox Engineering | 250-2143 | 2338460 | president@ashrae4greenville.com |

Tentative Meeting Dates for 2004-2005

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|-----------------|--|--|
| Mon 9/27/2004 | Constant Volume Zoning Applications and Design | Jeff Swiderski, Carrier Controls |
| Tues 10/19/2004 | Water-Cooled Vert. Self-Contained DX Applications Facility Tour: Poinsett Plaza (by Doug Black) | Paul Jensen, Trane Company |
| Tues 11/23/2004 | 10 Important Changes to the 2003 IMC | Tony Longino, Chief Mechanical Inspector |
| Tues 12/14/2003 | Is It Raining In Your Boiler? | Chris Edmondson PE, James M Pleasants |
| Tues 1/18/2004 | Application of ASHRAE Standard 15 | Tom Watson PE, McQuay International |
| Tues 2/15/2004 | HVAC Insulation, One Key to a Healthy Building | Glenn Brower, Knauf Insulation |
| Tues 3/8/2004 | Joint Meeting with Mechanical Contractors Asso. | TBD |
| Tues 3/15/2004 | Ammonia Refrigeration Design and Application Facility Tour: Sara Lee | TBD |
| Wed 4/13/2004 | ASHRAE Satellite Broadcast on Mold | TBD |
| Tues 4/19/2004 | TBD | TBD |
| Tues 5/17/2004 | Cleanrooms for Pharmaceutical/Biological Facilities | Manuel Del Valle PE, Fluor |

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Technology for a Better Environment