



Giga-Joule

**Greenville
Chapter of
ASHRAE**

March 2004

Meeting Announcement

This month's meeting will be held on Tuesday, March 9, 2004, from 6:00 to 8:00 PM with the Mechanical Contractors Association at GM Mechanical's facility on 720 Mauldin Road . For directions, please visit our website at www.ashrae4greenville.com, call Ryan McCleary @ 864-627-9675 ext.117 or email ryan.mccleary@york.com.

A Message From the President

The Greenville Chapter would like to thank Bob Speer of Heat Transfer Sales for helping us to understand the "Application for Boilers in Water Source Heat Pump Systems." Bob has been around for a long time (so I'm told, Bob) and was able to share some of that experience with us. I'd also like to personally thank our Programs Chairman, Karl Counts, for doing an outstanding job with programs this year. He has certainly made my job easier, and has given the Greenville membership a number of programs to get excited about. Well done, Karl!



**Ryan McCleary
Greenville Chapter President**

This month is a treat, as we will have our joint meeting with the Mechanical Contractors Association. This is not a treat simply because the MCASC grills out steaks for dinner and has various refreshments (namely beer) available, but because we get to mingle with another key player in our industry. It is important that we meet our Contractor counterparts, so that we can better interact with them in a project situation (and vice-versa). This should be a great time! Please note that the date, time, location, and cost are all different than our normal meetings.

In April, it appears as though Upstate Trane has been gracious enough to let us use their conference room for the satellite broadcast on "Homeland Security for Buildings". We want to thank them for hosting that. In addition, it looks like we'll be having another Golf Tournament for Resource Promotion in April as well.

We've got a number of great things going on, but ASHRAE still needs your help. Please volunteer to serve on a committee, or bring someone new to the next meeting. Anything you can do to help the chapter will be greatly appreciated.

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

**Ryan McCleary
Greenville ASHRAE President**

Chapter Programs



Please note the special time of our March Meeting. We will be having a joint meeting with the Mechanical Contractors Association at GM Mechanical's facility on Mauldin Road. It is a week earlier than normal and in the evening. The past two joint meetings have been great outings. GM puts on a really good spread for dinner and the evening time frame allows for those who wish to partake of an Adult Beverage (or two).

Please note also that the cost for meeting is higher given the upscale food and refreshments.

Date: March 9, 2004
Time: 6:00 PM - 6:30 PM Doors Open & Socialization
 6:30 PM - 7:00 PM Dinner
 7:00 PM - 7:15 PM Business
 7:15 PM - 8:00 PM Main Program

Location: GM Mechanical 720 Mauldin Rd, Greenville 864-277-1161

Speaker: Bill Knupp

Description: Bill Knupp from Barnes Insurance Company of Easley will present a none technical program to explain Workers Compensation Insurance. The program will provide a general overview for those unfamiliar with the workings of Workers Comp, and then delve into the more specific aspects of how the experience of workers affects the system. Bill will then discuss the evolution of Workers Comp in the future. Bill Knupp from Barnes Insurance Company of Easley will present a none technical program to explain Workers Compensation Insurance. The program will provide a general overview for those unfamiliar with the workings of Workers Comp, and then delve into the more specific aspects of how the experience of workers affects the system. Bill will then discuss the evolution of Workers Comp in the future.

Cost: \$20/person (Includes grilled Steak Dinner, Soft Drinks, and Adult Beverages)

Education Credit: This program qualifies for 0.5 PDH

Please RSVP to programs@ashrae4greenville.com no later than Thursday, March 4, 2004

Special April Meeting: Take note of the date of Wednesday, April 14 and the time 11:30 AM to 3:00 PM. We will be holding our meeting at the Trane Upstate Carolina office. The featured program is "Homeland Security for Buildings". This is a special ASHRAE Society Satellite Broadcast focusing on minimizing the dangers of a Chemical, Biological, or Radiological (CBR) Attack by the design, construction, and operation of buildings. Mark it on your calendars. More news to follow.

Karl Counts

Programs Chairman

Membership

ASHRAE: Hot Water Boilers and Water Source Heat Pumps by Bob Speer on 02/17/04 [1 PDH]

Attendees at the February meeting were: Steve Abernathy, Danny Atkinson, Ken Clark, Devon Cortright, Karl Counts, Bob Dendy, Karl Grizio, Walter Henson, Rodney Hinton, Art Hutson, Paul Jensen, Bill Knight, Greg Kyzer, Patrick Leake, Ryan McCleary, John McCutcheon, Dennis O'Keefe, Bobby Roper, Ron Sparks, Bob Speer, Caroll Suttles, Jerry Shamroe, Bill Carnes, Randy Hall and Jack Blankenship .

Caroll Suttles

Membership Chairman

Resource Promotion

Our Spring Golf Outing to benefit Resource Promotion is tentatively planned for Friday, April 23. Mark your calendars today! Details and sign up forms for golfers & sponsors will be available soon. Start recruiting your Winning Foursome!

Thanks to all of our members who have already contributed to Resource Promotion. Our Chapter has raised \$3,354.00 year to date. We are well on our way toward our goal of \$12,703.00 for the year.

If you haven't contributed yet, please keep ASHRAE Resource Promotion in mind for a tax-deductible contribution!

Ken Clark
Resource Promotion Committee 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. Either contact me or visit the ASHRAE web-site at

<http://www.ashrae.org/template/AssetDetail/assetID/25447> for forms and more information.

Then proceed as follows:

1. Complete the "Short Form" and use it as the cover page.
2. 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, then state accordingly):

| | | |
|-------------------------|--------------------|------------|
| Energy Efficiency | Indoor Air Quality | Innovation |
| Operation & Maintenance | Cost Effectiveness | |

3. 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.

Greg Kyzer
TEGA Chairman

ASHRAE

(AMERICAN SOCIETY OF HEATING, REFRIGERATING AND AIRCONDITIONING ENGINEERS)

CLEMSON STUDENT CHAPTER

Room 169 of Lee Hall

6:00 PM, Tuesday, March 9th, 2004

FIRE PROTECTION VS. CONSTRUCTION ECONOMY

GUEST SPEAKER: GENE ENDTHOFF, CBO

*TRAINING CONSULTANT
NATIONAL FIRE SPRINKLER ASSOCIATION INC*

The recent events in Greenville with the Comfort Inn fire and here in Clemson with the University Ridge Apartments fire have highlighted the need for fire protection improvement in our design/construction efforts. Gene Endthoff, as training consultant for the NFSA is charged with bringing that message to college students whose goal is a position with firms that create the built environment.

This special 1-1/2 hour program addresses issues such as: Who bears responsibility for providing life safety and property protection in buildings?; Increasing fire protection and increasing design options; Understanding and using the building code; Sprinkler technology and cost; Problems with the way we do it now.

*Jointly sponsored by The South Carolina Institute for Energy Studies,
the Clemson University School of Building Design and the Greenville Chapter of ASHRAE*

Learn how this cross-disciplinary professional organization can enhance your college and professional career through scholarships, technical competition, networking, resume services combined with opportunities for fellowship and fun!

SEE YOU THERE!!

(Any questions? Prof. Ray Schneider 656-6739, rkschne@clemson.edu)

Greenville Chapter ASHRAE

2003-2004 Chapter Officers

| Office | Officer | Company | Phone | Fax | email |
|--------------------|-----------------|------------------------|----------|----------|--|
| President | Ryan McCleary | York International | 627-9675 | 627-0953 | president@ashrae4greenville.com |
| Programs/ VP | Karl Counts | Warren Maddox, Inc. | 250-2143 | | programs@ashrae4greenville.com |
| Secretary | James Bryan | O'Neal, Inc. | 298-2148 | 298-6330 | secretary@ashrae4greenville.com |
| Treasurer | Devon Cortright | H2L | 233-8844 | 232-2679 | treasurer@ashrae4greenville.com |
| Membership | Caroll Suttles | Piedmont Natural Gas | 233-7966 | 233-6104 | membership@ashrae4greenville.com |
| Resource Prom. | Ken Clark | Thermal Resource Sales | 250-2822 | 250-0585 | resourceprom@ashrae4greenville.com |
| Student Activities | Rob Turner | Wade Crow Engineers | 585-9903 | 585-4528 | studentactivity@ashrae4greenville.com |
| TEGA | Grey Kyzer | Arcadis G & M | 241-5106 | 235-9062 | tega@ashrae4greenville.com |
| Historian | Steve Abernathy | Piedmont Natural Gas | 233-7966 | 233-6104 | historian@ashrae4greenville.com |

Tentative Meeting Dates for 2003-2004

March 9, 2004 – Joint Meeting with Mechanical Contractor's Association

April 14, 2004 – Homeland Security for Buildings

May 18, 2004 – The ASHRAE Member's Guide to Risk Management

September 16, 2003 – Control of VAV Systems with DX Cooling

October 21, 2003 – Selecting the Right Fan

November 18, 2003 – Primary/Secondary vs. Variable Primary Flow Debate

January 6, 2004 – Bi-Lo Center Refrigeration Tour/Hockey Game

January 20, 2004 – Biotech Facility Pilot Plant

February 17, 2004 – Hot Water Boilers and Water Source Heat Pumps



ASHRAE

Technology for a Better Environment

**Greenville Chapter of
ASHRAE**