



Giga-Joule

Greenville
Chapter of
ASHRAE

December 2003

Meeting Announcement

There will not be a December meeting.

There will be a social event on Tuesday, January 6, 2004, at the Bi-Lo Center.

January's meeting will be held on Tuesday, January 20, 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 call Ryan McCleary @ 864-627-9675 ext.117 or email ryan.mccleary@york.com or visit www.ropermountain.org.

A Message From the President

The Greenville Chapter would like to thank Region IV DRC Chris Edmondson for steering us in the right direction on "Primary/Secondary versus Variable Primary in Chilled Water Systems." As always, Chris was entertaining and informative (and loud and obnoxious). Even "young kids" like me learned something.



Ryan McCleary
Greenville Chapter President

We are taking the month December off, so we will not be having a monthly chapter meeting. However, keep your calendars open for the evening of Tuesday, January 6th. We have a special treat in the works for the New Year. We are currently arranging a group tour of the Bi-Lo Center in which we can check out the refrigeration system used to keep the make/ keep the ice for Grrrowl Hockey games and ice-skating events. After the tour, everyone can stay for the Hockey game, as the Greenville Grrrowl take on the Florida EverBlades @ 7.05 PM. Details and RSVP information are to follow next week.

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.

From all of the officers of the Greenville chapter, have a safe and happy holiday.

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

Ryan McCleary
Greenville ASHRAE President

Chapter Programs



This month we will not have a meeting due to the holiday season.

Next month's meeting will be a case study on a Biotechnological Pilot Plant Facility presented by Manuel Del Valle, P.E. Manuel has 37 years of experience in pharmaceutical and biotechnological facilities in the United States and Puerto Rico. He is registered in several states plus Puerto Rico. He is a member of ASHRAE and ISPE.

Manuel earned his Bachelor of Science in Mechanical Engineering (BSME) from the College of Engineering at the University of Puerto Rico, Mayaguez campus in 1965.

Manuel is a frequent speaker at conferences for associations such as ASHRAE, ASME, ISPE, Parenterals Drug Association (PDA), Barnett International and the Institute of International Research. He has published a number of articles in trade publications such as Pharmaceutical Engineering; Biopharm; Heating, Piping, & Air Conditioning; and CleanRooms Magazine.

Karl Counts

Programs Chairman

Please RSVP to programs@ashrae4greenville.com

no later than Friday, January 16, 2004

Clemson Student Chapter

We had a great seminar on November the 18th at Clemson. First the take home test was solved and discussed. Then the seminar was presented on Indoor Air Quality. The main topics included the problems of mold and humidity plus the utilizing the correct equipment and designs to solve the associated problems. We had a good attendance (mainly Architectural and Construction Science majors) with a lot of questions.

Rob Turner

Student Activities

Resource Promotion

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 as you finalize your year-end income tax planning!

Have a safe & happy holiday season!

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

Membership

Thanks to those who turned in membership advancement applications. If anyone else who is now an associate member would like to upgrade please get an application from me at the next meeting or call me and I will mail one to you. Hope everyone has a great holiday season.

Welcome to new members Gary Coster, John Hall, Scott Rhoads and Robert Simpson.

ASHRAE: Primary/Secondary vs. Variable Primary Flow Debate by Chris Edmondson on 11/18/03 [1 PDH]

Attendees at the November meeting were: Jim Reeves, Steve Abernathy, Rodney Hinton, Jack Blankenship, Gary Osteen, Adolph Beyerlein, Daniel Herman, Jim Critcher, Dennis O'Keefe, Rob Turner, Shane Bulman, Jeff Mitchell, Eddie Arledge, Bob Leake, Dicky McCuen, Walter Tuttle, Jerry Shamroe, Jeff Redderson, Greg Kyzer, Bill Knight, Ryan McCleary, Bruce McCarter, Jay McCutcheon, James Bryan, Walter Henson, Bill Lenker, Tony Smith, Jim McCarter, Robert L. Carter, Chris Edmondson, Patrick Leake, David Roberts, Karl Counts, Ken Clark, Devon Cortright, and Bill Kissel.

ASHRAE: Selecting the Right Fan by Art Hutson on 10/21/03 [1 PDH]

Attendees at the October meeting were: Steve Abernathy, Danny Atkinson, John Bindewald, James Bryan, Ken Clark, Devon Cortright, Karl Counts, Rodney Hinton, Stanley Hix, Art Hutson, Bill Knight, Greg Kyzer, Ryan McCleary, Jay McCutcheon, Robert Monaghan, Dave Roberts, Bobby Roper, Mark Schnetzka, Bob Speer, Carroll Suttles, Herb Redick, Karl Geizio, Mark Rosenfeld, Doug Peterson, Robert Carter, James McCarter, and Rob Wetmore.

ASHRAE: Control of VAV Systems with DX Cooling by Gil Avery on 9/16/03 [1 PDH]

Attendees at the September meeting were: Dave Adams, Everette Arledge, Danny Atkinson, James Bryan, Ken Clark, Devon Cortright, Karl Counts, Wade Crow, Rodney Hinton, Art Hutson, Barry Jones, Bill Knight, Greg Kyzer, John McCutcheon, William Neel, Bobby Roper, Mark Schnetzka, Franz Sparovic, Bob Speer, Carroll Suttles, Rob Turner, Karl Grizio, Billy Austin, Bob Dendy, and David Brown.

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

Carroll Suttles

Membership Chairman

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	O'Neal, Inc.	298-2170	298-6330	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

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

January 20, 2004 – Biotech Facility Case Study

February 17, 2004 – Worst Practice Lessons for the Future

March 16, 2004 – Joint Meeting with Mechanical Contractors Association

April 20, 2004 – Hot Water Boilers and Water Source Heat Pumps

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



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Technology for a Better Environment

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ASHRAE**