



Giga-Joule

Greenville
Chapter of
ASHRAE

January 2006

Meeting Announcement

This month's meeting will be held on **Tuesday, January 17, 2006, from 11:30 a.m. to 1:00 p.m.** at the **Roper Mountain Science Center** located at the intersection of I-385 and Roper Mountain Road. For directions, please contact Programs Chairman, Eric Scott, by phone at (864) 232-6633 x21, email at programs@ashrae4greenville.com or by visiting <http://www.ropermountain.org>

A Message from the President

I hope everyone had a great Christmas holiday season. The Greenville chapter would like to thank John McNamara for his presentation on the Interpretation of a Mold Analysis. We had a very good turnout and the material was very informative. The initial signs to inspect and analyze during a mold investigation are humidity control, carbon dioxide levels and water infiltration/leakage. This month's meeting will be on warehouse and industrial heating and make-up air by Jamie Fry of Faulkner/Haynes & Associates, Inc. along with Cambridge.

National Engineers Week will be celebrated February 19-25, 2006! Once again, thousands of your fellow colleagues from all engineering disciplines throughout the country will be taking part in this exciting event. Many of the outreach programs emphasize the importance of math and science to the "next generation" of children and young adults. Soon, ASHRAE Chapter Student Activities Chairs will be receiving the annual EWeek packet in the mail with information to include ideas for Introduce-a-Girl-to-Engineering Day programs. Visit the EWeek site at: www.eweek.org for more information.



To facilitate this national effort **SCSPE** is coordinating **Discover "E"** again this year. Students are always searching for career ideas so don't waste this chance to tell them what engineering is all about. Please contact me if you are interested.

SCSPE is also sponsoring **Mathcounts** again this year at Clemson's Madren Center on Saturday, February 4, from 9 a.m. to 1 p.m. Consider volunteering or donating cash/prizes. Please contact me if you are interested.

NCEES needs volunteers for the **FE exam**. Applicants are required to have passed the FE and received a bachelor's degree preferably within 5 years or less. Please contact me if you are interested.

ASME also sponsors a **Fall LEGO League**. Please contact me if you are interested. Check out their website: <http://sections.asme.org/Greenville/>

As I understand it the total number of engineering students has decreased in the past few years; thus, we should all show the future generations what engineering is all about. The above programs from local societies are a start to help enrich our community and ASHRAE. Donating your time is invaluable to a kid whether it's 1 hour or more.

The date of Friday, April 21, 2006, with a noon shotgun start will be the Spring Golf Tournament. Please plan accordingly now.

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

James Bryan, P.E.

Greenville ASHRAE President

president@ashrae4greenville.com

Chapter Programs



Program: Warehouse & Industrial Heating & Make Up Air

Presenter: Cambridge Engineering, Inc. (www.cambridge-eng.com)

Established in 1963, Cambridge Engineering is now recognized as the leading manufacturer of energy efficient, direct gas-fired heating and ventilating systems for large commercial and industrial facilities. Their modern, 120,000 square foot manufacturing facility is located in the St. Louis area, with factory-trained sales and service representatives throughout the United States and Canada.

Location: Roper Mountain Science Center - Auditorium
(See front page for directions)

Date: Tuesday, January 17, 2006

Schedule: 11:30 a.m. Doors Open
11:35 a.m. Lunch served
11:45 a.m. to 12:00 p.m. Chapter Business
12:00 p.m. to 1:00 p.m. Main Program

Cost: \$10/person - Lunch is included & guests are welcome

RSVP REQUIRED TO ENSURE LUNCH

Please reply to programs@ashrae4greenville.com no later than this Friday, January 13th.

Education: This program qualifies for 1.0 PDH (including NC PE as well)

Don't forget to RSVP!

Eric Scott
Programs Chairman
programs@ashrae4greenville.com

Research Promotion

Please make plans for the Spring Golf Tournament now. The location is to be determined, but the date is Friday, April 21st, 2006.



Dennis O'Keefe
Research Promotion Chairman



Membership Corner

Remember that "useful" door prizes are given out at each monthly meeting.

There is also \$100 prize for the chapter member that recruits the most new chapter members between July of 2005 and June of 2006.

Attendees at the December meeting were John McNamara, Chris Trabookis, Jim Ridenhour, Joe Cain, Eric Scott, Caroll Suttles, Devon Cortright, Karl Counts, Dennis O'Keefe, John Adams, Chris Adams, James Bryan, James McCarter, Scott Houston, Stan Hix, Steve Abernathy, David Roberts, Walter Tuttle, Bob Speer, Bill Bartlett, Lee Capps, Bill Carnes, Bill Knight, Lance Hafer, Eddie Arledge, Terry Mills, Tom Rose, Jay McCutchen, Hank McCullough, Greg Kyzer, Tom Williams, Jim Critchen and Paul Jenson.



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

Caroll Suttles
Membership Chairman

Student Activities

James Bryan mentioned the upcoming National Engineers Week in February in his President's Message. I have received an information package from ASHRAE Society listing products and literature useful for promoting National Engineers Week Events. I encourage you to drop by your Human Resource Managers and inquire about a company event. Please contact me and I will share the promotional information with you.



Karl Counts PE
Student Activities Chairman

Greenville Chapter Social Events

The Greenville Chapter of ASHRAE is organizing a **Ski and Snowboard Outing** to **Sugar Mountain** for Friday February 17 for family and friends. Depart from Greenville Mall at 6 AM with a return of 8 PM +/- . Unfortunately, at this point in time we do not have enough participants to guarantee group rates, but we are close and are trying to get a few more.

Cost is \$51 per person plus the cost of rental equipment. (\$36 for a lift ticket and \$15 for a ride to the mountain, add \$17 for ski rental or \$30 for snowboard rental.) If we get 15 participants the price drops to \$43 per person plus the cost of rental equipment. (\$28 for a lift ticket and \$15 for a ride to the mountain, add \$12 for ski rental or \$24 for snowboard rental.)

Transportation is via personal vehicles, so we are looking for a several volunteers with minivans to drive. The drivers will receive \$15 per passenger to cover the cost of gas and vehicle expenses.



Send a **deposit of \$15 per person** to reserve your spot. Assuming we have enough participants for group rates, the balance for lift ticket and rental equipment will due to ASHRAE the morning of departure via cash or personal check. If we have fewer than 15, each individual will be responsible for purchasing lift ticket and rental upon arrival. Please send your deposit and a completed Reservation and Liability Release Form to the address below. Call or e-mail Devon Cortright for details.

Devon Cortright

H2L Consulting Engineers
122 Edgeworth Street
Greenville, SC 29607
864-233-8844
treasurer@ashrae4greenville.com

Greenville Chapter ASHRAE

2004-2005 Chapter Officers

Office	Officer	Company	Phone	Fax	email
President	James Bryan	O'Neal, Inc.	298-2148	298-6330	president@ashrae4greenville.com
Programs/ PE	Eric Scott	Carrier Carolinas	232-6633 x21	242-0290	programs@ashrae4greenville.com
Secretary	Scott Houston	Thermal Resource Sales	250-2822	250-0585	secretary@ashrae4greenville.com
Treasurer	Devon Cortright	H2L	233-8844	232-2679	treasurer@ashrae4greenville.com
Membership	Caroll Suttles	Piedmont Natural Gas	235-5844 x3055	233-6104	membership@ashrae4greenville.com
Resource Prom.	Dennis O'Keefe	Piedmont Natural Gas	250-2822	250-0585	rp@ashrae4greenville.com
CTT	Jamie Porterfield	Waldrop Heating & Air	578-7252	578-3414	ctt@ashrae4greenville.com
Student Activities	Karl Counts	Day & Zimmermann	241-8335	241-6750	sa@ashrae4greenville.com
Historian	Paul Jensen	Trane Upstate Carolina	672-6130	672-6001	history@ashrae4greenville.com
Webmaster	Karl Counts	Day & Zimmermann	241-8335	241-6750	webmaster@ashrae4greenville.com

Tentative Meeting Dates for 2005-2006

Tues 9/20/2005	Radiant Cooling Panels	Dr. Stanley Mumma PhD, PE; Penn State
Tues 10/18/2005	Why Water Source Heat Pumps?	Chris Edmondson PE, James M Pleasants
Tues 11/15/2005	Controls Protocols and Interpretation	Jeff Swiderski, Carrier Controls
Tues 12/13/2005	Interpretation of Mold Analysis	John McNamara CIAQP, AAA Environmental
Tues 1/17/2006	Warehouse and Industrial Heating & Make Up Air	Jamie Fry, Faulkner/Haynes & Associates
Tues 2/21/2006	Ductwork for Pharmaceutical/Biological Facilities	Manuel Del Valle PE, Fluor
Tues 3/7/2006	Joint Meeting with Mechanical Contractors Asso.	David Hensley, Hosted by GM Mechanical
Tues 3/21/2006	Natural Gas Piping 101	Steve Abernathy, Piedmont Natural Gas
Tues 4/18/2006	Understanding Waterhammer in Steam Systems	Wayne Kirshner PE
Wed 4/19/2006	Green Buildings: Sustainability and the Building Environment	ASHRAE Satellite
Tues 5/16/2006	Humidity Control for Commercial Buildings	Mark Nunnely PE, Nunnely & Associates

Greenville Chapter of ASHRAE



ASHRAE

Technology for a Better Environment