



Giga-Joule

Greenville
Chapter of
ASHRAE

May 2006

Meeting Announcement

This is the last meeting for the year! Get your PDHs now. We are also fortunate to have another **Distinguished Lecturer: Mark Nunnely, P.E.** speaking on **Humidity Control for Commercial Buildings**. This month's meeting will be held on **Tuesday, May 16, 2006, from 11:30 a.m. to 1:00 p.m.** at the **Roper Mountain Science Center** located on the intersection of I-385 and Roper Mountain Road. For directions, please contact the 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've had a great time as your President this year, but I could not have performed my job successfully without the support of all the current officers and committee chairmen. Eric Scott continued an awesome job with programs this year. **We will have had six (6) Distinguished Lecturers this year (count 'em 6 out of our 9 regular monthly meetings!).** These our top-notch speakers elected by the national ASHRAE Society. What tremendous support we have received from these DLs; and obviously, excellent presentations.

Remember ASHRAE cannot continue to provide great services to our industry without volunteer participation. There are many ways to get involved such as joining our local chapter committees, attending your local monthly meetings from September to May, attending summer or winter national meetings, attending the annual CRC meeting this August, joining a Technical Committee to develop/update standards, and many other opportunities. Contact anyone of the members above for more information.

While you are contemplating your participation, be sure to thank your Chapter Officers and Committee Chairs for their service to you. The 2006-2007 officers were elected last month and are listed in the section below. Your new Chapter Officers and Committee Chairs are, (drum roll please).....

OFFICERS

President: Eric Scott
President Elect: Graham Fizer
Vice President: James Bryan
Treasurer: Dennis O'Keefe
Secretary: Scott Houston
Governor: Karl Counts
Governor: Paul Jensen
Governor: Bill Knight

CHAIRMEN

Programs: Graham Fizer
Membership: Carol Suttles
Research Promotion: Will Thomason
Technology Transfer: Devon Cortright
Newsletter: Scott Houston
Student Activities: Brent Abott
Historian: Paul Jensen
Webmaster: Karl Counts

ASHRAE, founded in 1894, is an international organization of 55,000 persons. It is the world's foremost technical society in the fields of heating, ventilation, air conditioning and refrigeration. Through its meetings, research, standards writing, publishing and continuing education, the Society helps keep indoor environments comfortable and productive, deliver healthy food to consumers and preserve the outdoor environment.

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

Thanks to all who joined us for the ASHRAE Satellite Broadcast on April 19th featuring Green Buildings: Sustainability and the Building Environment. I hope you learned something useful. Please be sure to go online and give a truthful evaluation of the broadcast.

Please join us for our last meeting of the year. We return to our normal 3rd Tuesday of the month schedule for our meeting on May 16th. We are closing things out with a bang with another ASHRAE Distinguished Lecturer, Mr. Mark Nunnelly.



Theme: Resource Promotion and History

**Speaker: R. Mark Nunnelly, P.E.; Nunnelly & Associates
(A Division of ADCO Companies), Birmingham, AL**

Topic: Humidity Control for Commercial Buildings

This presentation (1½ hrs) was first made in Houston, TX in May of 2002 at the symposium for Improving Building Systems in Hot & Humid Climates. This symposium was held to present papers written on subjects associated with better design practices for buildings and HVAC system designs to avoid IAQ problems, to remedy problems from mold and mildew, and resolve any comfort-related problems.

The audience was made up of design engineers, architects, installing contractors and end-users. Since then, this presentation has been made, and will continue to be made, at numerous ASHRAE local chapter meetings throughout the southeast. This presentation was also presented in San Antonio, Texas at the Southern Gas Association's Architects' and Engineers' Conference.

Biographical Information:

Mark Nunnelly is a mechanical engineering graduate of Auburn University, is a registered professional engineer, and has been involved in the construction, engineering and HVAC industry for over 20 years. Over the last several years, his involvement with projects has primarily pertained to the humidity control, ventilation air treatment and energy savings aspects of his clients' buildings. Currently, Mr. Nunnelly is the president of Nunnelly & Associates, a firm primarily engaged in humidity control consulting engineering and equipment sales. He has presented training seminars on dehumidification technologies (desiccant and mechanical-based) and their applications, as well as psychrometrics and designing for proper humidity control. He has been a member of ASHRAE for over 18 years and currently serves as a Regional Vice Chairman for the Society.

He has co-authored and published a paper entitled "Designing for Absolute Moisture Control" which addresses ways in which HVAC systems should be designed in order to ensure proper humidity control within buildings.

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

Date: Tuesday, May 16, 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 by Friday, May 12th.

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 - Spring Golf Tournament !!!

We had great turnout on Friday, April 28th for the Greenville Chapter Spring Golf Outing at Woodfin Ridge in Inman, SC. 60 golfers selflessly braved blue skies, and spring breezes on an immaculate course to raise about \$2,100 for ASHRAE RP. I want to personally thank all of you for taking the time out to make this such a success.



Results:

Low Gross Score: Turner, Price, Brannon and Ray (56)

Low Net Score: Thomason, Caviness, McMurray, and Major (59)

Longest Drive: Lee McElrath

Closest to Pin: Brian Violette

All received a \$50 gift certificate to Dick's for their effort. Congratulations all.

Most importantly however, I want to thank all my sponsors. Giveaways were especially appreciated and we literally had something for everyone. Johnson Controls provided calculators for each person on the cart, AAA Environmental provided shirts, J.M. Pleasants Company provided shirts and hats, LR Gorrell provided a \$50 gift certificate to Dick's, and someone left 2 boxes of golf balls, I just wish I knew who it was so I could give them credit.

Hole sponsors provide 99% of the money raised for Research, as the registration fee just about covers the cost of golf, prizes, lunch and beverages. Our fourteen hole sponsors at \$150 per hole are:

Carrier Corporation
Duke Energy
Hahn-Mason Air Systems, Inc.
Harris Sales & Service, Inc.
James M. Pleasants Company, Inc.
Johnson Controls
Maddox Engineering, Inc.
Palmetto Air & Water Balance
Piedmont Natural Gas
R. L. Kunz Inc.
The Copy Spot
The Trane Company
Thermal Resource Sales, Inc.
York

Dennis O'Keefe
Research Promotion Chairman
rp@ashrae4greenville.com

Membership Corner

Hey dudes and dudettes, its just about summer time, water skiing, racing, baseball and all the other things that make America great are on your mind and frankly, ASHRAE probably isn't. But how about taking a minute to think about helping out your Greenville chapter! We've chosen our leadership for next year so you don't have to be paranoid about being put in charge of something. But if you could help one of the ones in charge that would be great!



In the area of membership promotion I really need someone who could put together a directory or roster of industry representatives that are Greenville chapter members to be published on our website. You could start now and be done early in the next ASHRAE year (starts July 1, 2006) and then you would be off the hook for the rest of the year and still say you had done your duty. Think about it, we just need a few good people.

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

Caroll Suttles

Membership Chairman

membership@ashrae4greenville.com

Local ASHRAE History

ASHRAE Greenville Chapter History will be emphasized at the May meeting. All Greenville ASHRAE Fellows, Life Members and past Presidents are invited to join us for this meeting as our guest (Yes, the chapter is going to cover your meeting cost!) Please make sure you RSVP so we know how many of you to expect.

A special invitation is made to the following individuals who will be issued ASHRAE certificates:

Life Members: Raymond K. Schneider, P.E., Raymond E. Putman

50 Year Members: Warren H. Scott, Jay L. Gray

Congratulations go out to these individuals!

The Greenville Chapter is rebuilding its history archives and we could use your help. First, we are trying to compile a complete list of Greenville Chapter past presidents. A large portion of our history archives has been lost and we don't even have a complete list of officers from our chapter founding to today. If you were a past president please call or e-mail with your name and the years you served. It is hard to believe, but ASHRAE Society does not even have a list of past Greenville officers. I really need your help in re-compiling this list or past officers. Send me whatever information you have. It will be appreciated!

Paul Jenson

Historian

historian@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.	Bill Caldwell, Waldrop Heating & Air
Tues 3/21/2006	Designing For Occupant Acceptance	Dan Int-Hout III, Chief Engineer, Krueger
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 Broadcast
Tues 5/16/2006	Humidity Control for Commercial Buildings	Mark Nunnely PE, Nunnely & Associates

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Technology for a Better Environment