Meeting Announcement
The April meeting will be held on Thursday, April 14th at the Roper Mountain Science Center. The details are listed on the Programs Page. For more information, please contact our Programs Chairman, Grant Wiegmann, at 864-672-6105 or email at programs@ashrae4greenville.com

A Message from the President

Thank you Chris Edmondson. Chris is a favorite across ASHRAE Region IV, and an ASHRAE Distinguished Lecturer. Chris spoke on steam traps during the meeting and then educated a select few on cooling tower piping for the afternoon. Also, our thanks to James M. Pleasants for sponsoring the March meeting. If you or your firm are interested in sponsoring a meeting contact Ryan Deter to discuss the details. This month join us for a presentation on Variable Refrigerant Flow systems.

Meeting fees and catering are a regular topic of discussion at the Board of Governor’s meetings. Costs for a meeting include the food, the meeting room, and sometimes expenses associated with our speaker. Your board’s heavily discussed solution is to charge members $10 and non-members and $15 for meeting attendance, lunch is complimentary. The board has elected to waive meeting fees for the speaker, visiting dignitaries, student members, chapter officers, and chapter committee chairman.

Our own Bill Knight is being awarded a national Distinguished Service Award. Bill has been active on the local board for a number of years, but he has also held regional positions in Region IV and been active on the national level. The presentation will be made at the Annual Conference in Montreal in June. Congratulations Bill.

On March 31 a total of sixteen: members, family, and friends gathered at the Bi-Lo Center to watch hockey in style. The Greenville Road Warriors defeated the Gwinett Gladiators in overtime. The generosity of a number of organizations and individuals made this happen. Piedmont Natural Gas donated their suite and provided an impressive supply of food and beverages. Thanks to Carrol Suttles for hosting the event as PNG’s representative. Prior to the game eight were treated to a tour of the Bi-Lo mechanical areas – we are after all engineers. Dwight Rust, Director of Operations, provided some insights on what is required to prepare for an event and keep the facility functioning. My personal thanks to Bi-Lo’s General Manager Roger Newton and Dwight for taking time out of his busy schedule to guide us around. Thanks also to those who participated and your donations to ASHRAE Research.

Chapter Administration
The Board of Governors meeting on March 15 and discussion the following:

- Officers for 2011-2012
- Meeting fees for those not eating lunch
- Caterer options
• Embassy Suites contract for CRC 2012.
• Bi Lo tour and hockey
• Spring golf arrangements
• Chapter made a $375 donation to research the Greenville County Schools Science Fair.
• Clemson student chapter application has been sent in.

Devon Cortright
Greenville ASHRAE President
president@ashrae4greenville.com

Election & Officer Nominations for 2011-2012

The April meeting will include election of officers to serve from July 1, 2011 thru June 30, 2012. The Nominating Committee has assembled the following as nominations to serve as officers for the 2011-2012 chapter year. Additional nominees can be made from the floor immediately prior to the election. If you wish to be considered for an office please contact me or one of the other board members.

President – Grant Wiegmann
President Elect – Open
Vice President / Past President – Devon Cortright
Secretary – Ryan Tonnsen
Treasurer – Rodney Hinton
Governor – Carroll Suttles
Governor – Bill Knight
Governor – Karl Counts

In addition to the elected positions, there are committee chairs selected by the officers. The committee chairs selected for 2011 – 2012 are:

Research Promotion – Open
Chapter Technology Transfer Chairman – Devon Cortright
Programs – Ryan Deter
Membership – Dorothy Bertolini
Student Activities – Daniel Lowe
Historian – John Mullis
Web Master – Karl Counts
Membership Corner

Thanks to all our returning members and potential NEW members who came out for our March meeting and the extended session. Chris Edmondson does a great job. It is certainly entertaining and informative when he is in Greenville.

As the ASHRAE Membership Chair for the last few years, we are constantly looking for ways to boost our membership…Your participation is greatly appreciated. Bring a friend to a lunch meeting and let him/her know how ASHRAE Membership has benefited you. All mechanical engineers, mechanical contractors, facility managers, engineering students and anyone involved in any and all aspects of the HVACR industry are welcomed to join ASHRAE. Don’t forget about those Young Engineers – they are the future of this organization and it is our responsibility to encourage and nurture them so that the Greenville Chapter of ASHRAE can remain a vibrant part of the engineering community in the Upstate.

FREE LUNCH: Our second Membership Promotion Meeting is scheduled for May. This is a great opportunity to bring a friend with a completed application and you both will enjoy lunch and the meeting on us…applications can be completed online or downloaded at www.ashrae.org – Don’t forget to select Membership in the Greenville Chapter.

Note to existing members – Please update your BIOS at www.ashrae.org (if you need assistance with this, please do not hesitate to contact me)

Ideas are always welcome to assist us with promoting ASHRAE Greenville Membership, as well as retaining current Membership, and fund raising…Please feel free to contact me at membership@ashrae4greenville.com or 864-444-0219 or any of the other ASHRAE Board Members.

For your Future Planning: Calling ALL MEMBERS…In 2012, Ashrae Greenville, will be hosting the annual CRC Meeting for all Ashrae Board Members in the Southeast…we are currently seeking members who wish to be involved in the planning as well as serve on the Board help us to plan for a successful and well attended event. Please see Brandt Williams or any of the other Board Members at our monthly meetings or contact us directly if you wish to be involved in any aspect of the planning of the 2012 CRC Meeting.

Best Regards,
Dorothy Bertolini
Membership Chair – ASHRAE Greenville SC
membership@ashrae4greenville.com
Last month we had Chris Edmondson of James M Pleasants give a presentation on Steam Traps. Chris followed the regular Chapter Program up with a 3-hour seminar discussing a broad array of topics such as condenser water piping, proper application of cooling towers, and waterside economizers. It was evident that all who attended got a lot of useful information from the presentations. Thank you Chris for making the trip from Greensboro to give us a presentation.

This month, Scott Graham will be joining us to for our regular Chapter Meeting. He will be discussing Variable Refrigerant Flow Applications, including proper applications and some Do’s and Don’ts for applying these systems. Please RSVP soon so that we can make sure there will be enough room and food for everyone. Please see the meeting agenda below for information on the program. Also, keep in mind we have many open slots for Programs next year starting in September. Please shoot me an e-mail or come talk to me during the Chapter Meetings if you have a topic idea.

Grant Wiegmann
Programs Chair
programs@ashrae4greenville.com

Research Promotions Chair

Research Promotion

Have You Caught Spring Golf Fever Yet?

Our Spring Golf Outing to benefit Research Promotion is coming up Friday, April 15th (Tax Day). This spring we will have a 1PM shotgun start at Verdae Green Golf Club. So put your taxes behind you and use some of that return to start contributing to this year’s write offs. To help get you in the right mindset watch the Masters this coming weekend. The golfer sign-up and sponsor sign-up forms are attached in a separate document. Please take advantage of this opportunity for Fun, Fellowship & Fund raising!

Don’t forget the attached Golfer sign-up and Sponsor sign-up sheets!
April Meeting

Program: Ductless VRF System Applications

Presenter: Scott Graham

Scott Graham is the Commercial Regional Manager for Mitsubishi Electric Cooling and Heating Solutions. Scott joined the Mitsubishi team in 2007 and is currently responsible for commercial sales in NC, SC, AL, and GA.

His past experience includes over 12 years in the mechanical contracting industry as a project manager, estimator, and designer working with industrial, commercial, and institutional clients. He attended Clemson University and graduated with a Bachelor of Science degree in Mechanical Engineering in 1994.

Scott currently resides in Easley, SC with his wife and two children.

Location: Roper Mountain Science Center (www.ropermountain.org)

Date: Thursday, April 14th, 2011

Time:
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
1:00 p.m. to 4:00 p.m. Extended Program

Cost: Lunch Program: $10/chapter member $15/non-chapter member (catered lunch)

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

Please RSVP to programs@ashrae4greenville.com
No later than Noon Tuesday, April 12, 2011
Chapter Technology Transfer

Technology Awards

Once again it is time to review your projects for the last year and consider what to submit for a Technology Award. The paperwork for the Chapter and Regional Technology Awards is simple and easy to complete. Previous winners are Wade Crowe, Bill Knight, Brandt Williams, and me. I try and slide that I am an ASHRAE Regional Technology Awards winner into a sales presentation wherever I can. Consider it a sales tool. Submissions are due the end of May.

Miscellaneous News from ASHRAE

ASHRAE has a career services website. In the last two years it has helped 500 companies find candidates for 1500 positions. Go to ASHRAEjobs.com for more information.

ASHRAE has published a new guideline that provides guidance on achieving good indoor environments by considering the interactions of air quality and thermal conditions, as well as lighting and acoustics. Guideline 10-2011, *Interactions Affecting the Achievement of Acceptable Indoor Environments* is available for the member price of $46.

Registration is now open for ASHRAE’s annual webcast on April 21 from 1 to 4 pm. This year’s broadcast is titled “Ground Source Heat Pump Systems – Putting the Earth to Work for You.” Three Professional Development Hours (PDHs) or three AIA Learning Units (LUs) may be awarded to viewers who complete the participant reaction from online by May 5, 2011. For more information on the webcast program, continuing education credits and ASHRAE ground source heat pump resources, visit www.ashrae.org/ghpwebcast.

A user’s manual for ASHRAE 62.1-2010 is now available. The manual includes a spreadsheet that assists in Ventilation Rate Procedure Calculations. The manual and spreadsheet are available for a member price of $64 ($75 nonmember).

Devon Cortright, P.E., LEED AP
Chairman Chapter Technologies Transfer, Greenville Region IV
ASHRAE Member Since 1982
Some of ASHRAE history – part 3

I was looking back over some of the earlier copies of the ASHRAE Journal and came across an article in the February 2011 issue titled History of the Changing Concepts in Ventilation Requirements (on page 34 if anyone wants to read it). The article discusses how some of the earlier flow rates for ventilation requirements were established.

It was interesting to me as to how folks interested in ventilation tried to determine the amount of outside air was required to cool and remove objectionable body odor (BO). As humans began to occupy buildings to perform their work more and more people would end up in close quarters with inadequate fresh air. I guess back then they hung a pinecone under each arm to prevent BO or maybe they were just used to it.

Some of the theories and calculations are interesting to read about. I remember when I started in the air conditioning design in the early 1970s The City of Greenville (SC) had a mechanical code that required 30 cfm per person. This flow rate was all I knew to use until I joined ASHRAE and received my first Handbook. BTW - I no longer have this book because I loaned it to a friend that promised to return it; he moved to another town and has since passed on (maybe he took my book with him).
ASHRAE Greenville
Spring 2011 Golf Tournament

It's that time again!
Come out and support your local ASHRAE chapter by participating in the 2011 golf tournament.

Deadline to register is April 11, 2011.

RSVP: ryandeler@bellsouth.net or 864.908.1824

Payment:
By check made payable to Greenville ASHRAE Chapter
(mail to Ryan Deler: 109 Farm Mill Cir, Simpsonville, SC 29681)
or visit www.ashrae4greenville.com and pay online v PayPal

When: Friday, April 15, 2011
Where: Verdae Greens Golf Club
650 Verdae Boulevard, Greenville, SC

Format: 4-person Captain's Choice

Time: Shotgun start at 1 p.m. sharp

Cost: $70/player or $250/foursome
(not, golf, lunch, cart, range, 2 drink tickets, & prizes)

Other: Mulligans $20/team (2 shots per player)

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Please complete this form and e-mail scanned copy to ryandeler@bellsouth.net.
ASHRAE Greenville Spring 2011 Golf Tournament

Sponsorship Levels

_Silver ($150)_
Hole sponsorship and One 4-person team
Recognized as an “Honor Roll” ASHRAE donor

_Lunch Sponsor ($400)_
Recognized as an “Honor Roll” ASHRAE donor

_Hole Sponsor ($250)_
Name displayed on tee box

Giveaways:
Provide item(s) for giveaway raffle - list items below:
_____________________________________
_____________________________________

I will gladly pledge my above checked sponsorship(s):
Company name:
_____________________________________
Contact:_________________________________
Phone:_________________________________
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<thead>
<tr>
<th>Date</th>
<th>Event Description</th>
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<td>Thursday 09/09/2010</td>
<td>September Chapter Meeting: Building Leakage &amp; Testing</td>
<td>Rodney Hinton</td>
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<td>Thursday 10/14/2010</td>
<td>October Chapter Meeting: Product Liability &amp; IAQ Liability</td>
<td>Ward Lambert</td>
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<td>Friday 10/22/2010</td>
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<td>Thursday 11/11/2010</td>
<td>November Chapter Meeting: Humidity Control and Outside Air</td>
<td>Chris Adams</td>
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<td>Thursday 01/13/2011</td>
<td>January Chapter Meeting: Open Control System or What's in a Name?</td>
<td>Bryan T. Lampley, P.E.</td>
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<td>Thursday 02/10/2011</td>
<td>February Chapter Meeting: Energy Storage for a Low Carbon Future</td>
<td>Mark Johnson</td>
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<td>Thursday 03/10/2011</td>
<td>March Chapter Meeting: Is there a Hole in Your Bucket, Steam?</td>
<td>Chris Edmondson</td>
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<td>Thursday 04/14/2011</td>
<td>April Chapter Meeting: Ductless VRF System Applications</td>
<td>Scott Graham</td>
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<td>Friday 4/15/2011</td>
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<td>ASHRAE Webcast:</td>
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<td>Thursday 05/12/2011</td>
<td>May Chapter Meeting: What's New with Electric Motors and VFD's</td>
<td>Bob Gluszik</td>
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ASHRAE
Technology for a Better Environment

Region IV
Greenville Chapter