

APRIL
2013 EDITION



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“THE GEE CHEE”

CHARTERED APRIL 14, 1971

THE OFFICIAL PUBLICATION OF THE REGION 4 CHARLESTON CHAPTER 113
AMERICAN SOCIETY OF HEATING, REFRIGERATING, AND AIR CONDITIONING ENGINEERS, INC.



MEETING SCHEDULE **TUESDAY APRIL 9, 2013**

**LOCATION: HARBOR BREEZE
MT. PLEASANT**

B.O.G MEETING: 5:00-5:30PM

“HAPPY HALF HOUR”: 5:30-6:00PM

TECH PROGRAM: 7:00-8:00PM

8:01.....SEE YOU NEXT MONTH!

COST: \$25 / PERSON + \$5 OPEN BAR

THIS MONTH'S PRESENTATION BY: JOY ZINS ICF INTERNATIONAL

JOY WILL DISCUSS SCE&G'S ENERGY WISE PROGRAM, INCLUDING REBATES & INCENTIVES, RESOURCES WE CAN USE TO SAVE OUR BUSINESSES MONEY, AND DEVELOPMENT OF GREEN POWER IN SC

This Month's Articles:

- President's Message
- Chapter Sponsors – Thank You
- Monthly Topic and Speaker
- CTT Corner
- Member News
- Sponsorships and Investors
- The Wall of Honor/Research Promotion
- ASHRAE Chapter Meetings

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President’s Message

Greetings Charleston ASHRAE Members,

Welcome back to another month of ASHRAE.

The March lunch meeting was a great success. I would like to thank everyone who attended. Dennis Knight gave us an interesting and informative presentation.

This month we will be back at our normal location at Harbor Breeze on Tuesday April 9, starting at 5:30 pm.

Please help us out by sending an RSVP to Austin Jones (austin.jones@fha-hvac.com) or Mike Cladakis (mike.cladakis@hoffman-hoffman.com) if you plan on attending this month’s meeting. The restaurant would like to get a head count prior to the meeting so that they can make sure that they have enough food for everyone.

See you all on Tuesday April 9!

Mike Cladakis
Chapter President

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Monthly Topic and Speaker

This month's topic:

SCE&G'S ENERGY WISE PROGRAM

Joy Zins will speak to us this month about SCE&G's Energy Wise Business program.

She will tell us about discounts and incentives available for energy efficient Lighting, HVAC, Food Service, and Custom Equipment. What can WE can do to improve the energy efficiency of our own businesses?

Member News – Philip Runyon

For all current members, please remember to go online and update your profile with any new awards, recognitions, licenses, work experience, etc. If you are currently an Associate member and have either a PE license or more than 10 years experience in the industry then please let me know and I can get your status upgraded to a full member. These are 2 qualifications that would move you in to full member status.

Also please remember to renew your dues online at www.ashrae.org as close to your renewal date as possible.

Philip Runyon 843-729-1883
prunyon@chapman-jhj.com

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CTT CORNER – GENE BROWN

The ASHRAE Journal gave recognition for an honorable mention award for Rob Turner’s entry in Society level competition. The following was shown on page 30 of the March issue. Congratulations to Rob and all who contributed to the project!

High Purity Standards Renovation, Charleston, S.C.

INDUSTRIAL FACILITIES OR PROCESSES, EXISTING

Designers: Robert F. Turner, Dennis Ashley, Johnny Deden, and Carson Smith, Charleston Engineering.

Owner: Connie Hayes, High Purity Standards

High Purity Standards(HPS), a chemistry lab in Charleston, S.C., has a “sash management” design for its 14 lab hoods, promoting efficient scheduling of lab hood use.

At the March meeting Dennis Knight gave an outstanding presentation. Dennis is an ASHRAE Distinguished Lecturer (DL). He is founder and CEO of Whole Building Systems, LLC. I was not able to attend but Chris Constantine provided the following information:

The “Net Zero Home” project is a collaborative effort between the Mt. Pleasant Breakfast Rotary and Habitat for Humanity. Also in attendance was Charles Muldrow of Stubbs Muldrow Herin Architects, Inc., who was integral in the design of the home. Such energy efficient technologies as solar photovoltaic cells, solar water heating, geothermal HVAC, Energy Wise appliances, Structural insulated Panel Systems (SIPS) walls and roof, and spray foam insulation on the underside of the floors were employed in the design and construction of the home. A Family of five now lives in the home. Dennis provided monitoring data on energy consumption broken down into categories including receptacle loads, lighting, HVAC, PV generation, etc. The initial goal was to design and construct a home that would reduce the typical electrical consumption from 17,000 KWH/year to approximately 5,700 KWH/year. The results of this study indicate an actual consumption of approximately 7,100 KWH/year. However, Dennis believes that not meeting the goals are likely due to an improperly controlled auxiliary electric heater used as backup for the solar water heating system, as well as a possible general lack of conservation mindedness on the part of the residents.

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RESEARCH PROMOTION – STEVE MAREK

RESEARCH PROMOTION - WE ARE AT GOAL

Ya'll, I think we can all agree we had a great time at Miler Country Club in Summerville, I definitely think we should add it to the list of courses to play. Thank you for all the participants and everyone else for all your help.

And Guess what, Eric Crawford was the big winner in the MASTERS ticket raffle, I think he wanted it the most, see you on Monday.

Just an update on the Research Front, we are doing great. Check out the Sponsor lists and support the people who donate to ASHRAE Research and keep the Charleston Chapter at the forefront of Research.

Right now we are over our goal of \$15,000, YEA, the Campaign is still not over so if you have the intention of donating please do so now. I still have to add up the golf and Masters ticket raffle and send that in, should be over \$16,000. Thanks again for all you help.

Steve Marek
Research Promotion Chairman

The Wall of Honor (2012-2013)

Individual Donations of \$100.00 or More

'12-'13 HONOR ROLL DONORS

**Dennis Knight
Ron Runyon
Del Laquiere
Randy Jones
Steve Marek
David Tomayko
Dick Trent
Eric Crawford
Brian Keiser
Clarence Ham
Michael Cladakis
Chris Constantine
Ronnie Hackett
Al Hitchcock
Emad Afifi
Austin Jones**

Can we put yours on here as well?

Much of ASHRAE Research funding comes in through individual donations,
so, please give.

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CORPORATE/HONOR ROLL INVESTORS 2012-2013:

Platinum Level Donors: (\$800+)

Chapman Company
Triad Mechanical Contractors
James M. Pleasants
Thermal Resource Sales
Trane
SC Public Service Authority - Santee Cooper

Gold Level Donors: (\$500)

Hoffman and Hoffman

Silver Level Donors: (\$300)

Johnson Controls, Inc.
C R Hipp Construction Inc
Charleston ASHRAE Chapter
Epting Distributors
Whole Building Systems

Bronze Level Donors: (\$150)

Sponsorships and Investors

2012-2013 ASHRAE Research Investors

Please consider investing in THE organization of our industry.

Contact Steve Marek at:

(843) 534-6264

stevemarek.pe@hotmail.com

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ASHRAE CHAPTER MEETINGS

April

4/9/13

Joy Zins

ICF International

SCE&G's Energy Wise Program

May

5/14/13

Mr. Charles E. Gullede, III, P.E.

Integrated Building Design

Student Activities Night

June

6/11/13

Chapter Annual Social

Installation of Officers

History Night

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GET INVOLVED

CONTACT ONE OF OUR COMMITTEE CHAIRS TO SEE HOW YOU CAN MAKE A DIFFERENCE

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