

SEPTEMBER
2012 EDITION



GET CONNECTED!!!

WWW.CHARLESTON.ASHRAECHAPTERS.ORG

“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 SEPTEMBER 11, 2012

**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:

MR. TIM DUGAN

PRINCIPAL ENGINEER / ARINC

TOPIC:

The presentation will cover the trend in the design of transportable air traffic control systems and data centers and the issues that face the design engineer.

This Month's Articles:

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

“ The Gee Chee”

President’s Message

Hello, and welcome to the new 2012-2013 season of ASHRAE. I hope each one of you had a great summer, and that everyone is looking forward to making some good things happen with ASHRAE this coming year.

I would like to recognize Eric Crawford for his hard work as president of our chapter this past year. And I ask each of you to take a moment to join me in thanking the Officers, Board of Governors and Committee Chairs for all their hard work, as well. Their effort and dedication was rewarded this year at the CRC, as the Charleston Chapter received a number of awards for the work our chapter performed last year. Thank you all – and I look forward to working with you this year.

And so, the new year begins. Come out and join us this Tuesday night for our kick-off event. We are moving back to our old “new” location. We will be meeting at the newly renovated, Harbor Breeze Bar & Grill, at Patriots Point in Mount Pleasant once again this year.

I am honored to serve as your president this season, and I will work to maintain the level of success that our chapter has earned throughout its history. Please do not hesitate to contact me with suggestions, questions or concerns.

Thank you,

Mike Cladakis
Chapter President

CRC AWARDS:

Technology Award (to be forwarded to Society for further consideration) – Rob Turner

CTC Award – Gene Brown again!

Green Award for electronic processing of Membership material – Phil Runyon

Best Chapter History display – Dave Tomayko

Research awards: Full Circle Award, Endowment Award,

Exceeded Goal Award – Steve Marek

Regional Award of Merit – Randy Jones

“ The Gee Chee”

Chapter Sponsors

Thank You for Your Sponsorship

2010-2011 Sponsors

Spirax Sarco
Triad Mechanical Contractors
Johnson Controls, Inc.
Trane Carolinas
James M. Pleasants Company
Thermal Resource Sales, Inc.
RMF Engineering
Chapman Company
Hoffman & Hoffman, Inc.

Monthly Topic and Speaker

This month's topic:

The trend in the design of transportable air traffic control systems and data centers and the issues that face the design engineer

Tim Dugan graduated Summa cum Laude with a BSEE from the University of New Haven. Tim is currently a Principal Engineer for ARINC, North Charleston and designs transportable air traffic control systems and data centers. He was an equity partner in a joint venture with Corning to manufacture coaxial cable for the cable television industry in Summerville. He has published over 100 technical papers and application notes to address the needs of the telecommunication industry.

The transportable systems that he currently designs are fabricated using one to fifteen standard high cube 20 foot and 40 foot ISO shipping containers which are then deployed all over the world. Walls, ceilings, floors, lighting, HVAC etc... limits the already tight spaces. Over the recent past the power density of the electronic equipment inside the racks has increased substantially. The need for higher voltages and more cooling has presented additional issues.

“ The Gee Chee”

CTTC – Gene Brown

Everyone needs to participate in the Technology Award program. Another program, the Milton Garland award, is available for non-comfort refrigeration projects. If anyone would like information on submitting an entry, let me know (gene_brown_jr@yahoo.com). We have had some excellent projects submitted over the years. Rob Turner submitted a project for the renovation of High Purity Standards, Inc. This included variable flow hoods for workstations in the laboratory. Numerous energy saving features were incorporated. This project is now competing for Society level award. The technology award program and the Milton Garland award program are good ways to gain recognition for yourself and for your company and to help our chapter compete in Region IV.

If anyone has any good ideas for a plant tour let me know. This is always an enjoyable and informative experience.

Anyone who is interested in helping to judge projects for chapter competition, shoot me an email.

Member News – Philip Runyon

MEMBERSHIP PROMOTION:

Our September meeting will be our first membership promotion night of the year. Please spread the word to any prospective new members as we would really like to kick the year off with a bang and have a great turnout to our first meeting of the year. We would like for every member to bring a guest to really help bolster the potential for getting new members involved. If you know of anyone that has recently moved to the area and would be interested in joining Ashrae or becoming involved in our chapter please give them my contact info or pass their info along to me and I will contact them directly. Brian Keiser and myself will be co-chairing membership this year so expect to be hearing from us monthly as we are making membership a very high priority for the 2012-2013 year.

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 push to get your status upgraded to a full member. These are 2 qualifications that would definitely put you in the full member category. Also please remember to renew your dues online at www.ashrae.org as close to your renewal date as possible. Ashrae does have a third party organization that will call you for dues renewal as well. This is a legitimate organization so feel free to renew over the phone with them as another option. We look forward to seeing everyone on Tuesday September 11th for our kickoff meeting.

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

“ The Gee Chee”

Sponsorships and Investors

2011-2012 ASHRAE Research Investors

Gold

Please consider investing in THE organization of our industry.

Contact Steve Marek at:

(843) 534-6264

stevemarek.pe@hotmail.com

The Wall of Honor (2011-2012)

Individual Donations of \$100.00 or More

Dennis Knight

Ron Runyon

Del Laquiere

Randy Jones

Steve Marek

Chris Constantine

Eric Crawford

Clarence Ham

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

CAN WE PUT YOUR NAME HERE?

“ The Gee Chee”

Research Promotion – Steve Marek

Off to another year of Research Promotion, the Golf Outing will be at Berkeley CC on October 12th, still working out the final time.

All Officers, if you have not already donated, please make a \$100 donation to Research for our Full Circle Award.

Lets go, need to get all those donations in, if you want hole sponsor sign please let me know ASAP they will be new this year.

Thanks Again,
Steve Marek,
Research Promotion

STUDENT ACTIVITIES REPORT - CRC **By Carl McGartlin**

Our ASHRAE Student Activities Committee (SAC) and student chapter at The Savannah College of Art & Design (SCAD) are doing well, active and been very busy this past year. Here are some highlights from SAC from this past year:

- 1) 2012 ASHRAE Student Design Competition: 11 SCAD projects were judged in two categories. One local winner was selected in Category-II: System Selection and one in Category-III: ISBD
- 2) Prof. Alex Silva and 15 SCAD Students attended the ASHRAE Winter Meeting in Chicago and took a tour of the Univ. of Chicago Library - site of the 2012 Student Design Competition project.
- 3) All SCAD Student Chapter Officers participated in 2011 Region IV CRC in Myrtle Beach (August 2011). They participated in the SAC workshop and had a chance to speak with the Society President-elect.
- 4) ASHRAE SAC members and BEC Board members participated in Judging High / Middle School Science Fairs:
 - i) Georgia Tech Savannah Regional Science and Engineering Fair judging and Certificates of Recognition for 1st, 2nd and Honorable Mention in both Senior and Junior Categories - "ASHRAE / BEC Building Science & Engineering Award".
 - ii) Lowcountry Regional Science and Engineering Fair judging and Certificates of Recognition for 1st, 2nd and Honorable Mention in both Senior and Junior Categories - "ASHRAE / BEC Building Science & Engineering Award".
 - ii) Total cash prizes in amount of \$500 for 1st & 2nd place in both Science Fairs.
- 5) SCAD hosted the Savannah Section meeting at SCAD's Thomas Center for Historic Preservation followed by a technical tour of the new SCAD Museum of Art. Pete Conroy and Prof. Afifi did a nice job coordinating this Sectional Meeting.
- 6) Studio crits and lecture by Carl McGartlin on ground source heat pump systems in support of the Student Design Competition (Feb 2012). Carl McGartlin participated in Project Critiques for Chapter Level Judging (May 2012 @ SCAD).

The following is a list of Officers @ Savannah College of Art & Design for the 2012 / 2013 school year:

President	-	Tripp Armstrong
Vice President	-	Cambris Kain
Secretary / PR	-	Donita del Rosario
Treasurer / ICC Rep	-	Nicole Dumont
Faculty Advisor	-	Dr. Emad Afifi, Architecture Department

Pete Conroy is the Student Activities Co-Chair and been providing support to our Student Chapters and worked with the SCAD Student Chapter to host a very well attended Section meeting this past April.

It is a goal of ours this coming year to get more of our Chapter membership to participate in some Student Chapter activities. I will continue to work with Dr. Afifi and Tripp Armstrong to make sure we keep the momentum from this past year going into 2011/2012 year.

Please contact me (Ph# 270-9160) if you are interested in being on the Student Activities committee as we need two committee members to help organize our K-12 activities and spearhead the National Engineers Week activities in local schools.

ASHRAE CHAPTER MEETINGS

September

9/11/12

Transportable Communications Platforms
Membership & Research Promotion Night

October

10/9/12

Joint Meeting with ACCA, CSA, CEA, CSI, AIA at the Yorktown

November

11/13/12

Distinguished Lecturer
Student Activities Night

December

12/11/12

Oyster Roast

January

1/15/13

CTT Night

February

2/12/13

Technical Submission Presentations
Membership Night

March

3/12/13

Dennis Knight

April

4/9/13

Distinguished Lecturer
History Night

May

5/14/13

Research Promotion

June

6/11/13

Chapter Annual Social

“ The Gee Chee”

GET INVOLVED

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

CHAPTER OFFICERS

PRESIDENT

Mike Cladakis
Phone: 654-7162
Fax: 881-3628

mike.cladakis@hoffman-hoffman.com

VICE PRESIDENT

Chris Constantine
Phone: 628-7878
Fax: 628-7881

cconstantine@constantineengineering.com

SECRETARY

Austin Jones
Phone: 259-1588
Fax: 884-3094

Austin.jones@fha-hvac.com

TREASURER

Clarence Ham
Phone: 991-4845
Fax: 553-5565

clarenceham@bellsouth.net

CHAPTER COMMITTEE CHAIRS

HISTORIAN

Dave Tomayko
Phone: 819-2742

dtomayko@knology.net cmcgartlin@spirax.com

MEMBERSHIP

Philip Runyon
Phone: 729-1883

prunyon@chapman-jhj.com

MEMBERSHIP VICE CHAIR

Brian Keiser
Phone: 971-9639
Fax: 971-9641

bkeiser@rmf.com cconstantine@constantine-engineering.com

REFRIGERATION CHAIR

Charles Hipp
Phone: 571-2332

charleshippiii@comcast.net

CTTC

Eugene G. Brown, Jr.
Phone: 797-2382

gene_brown_jr@yahoo.com

RESEARCH PROMOTION

Steve Marek
Phone: 534-6264

stevemarek.pe@hotmail.com

STUDENT ACTIVITIES

Carl McGartlin
Phone: 270-9160

cmcgartlin@spirax.com

STUDENT ACTIVITIES VICE CHAIR

Pete Conroy
Phone: 377-2300

Fax: 377-2301

petec@jmpco.com

PROGRAMS

Chris Constantine
Phone: 628-7878
Fax: 628-7881

cconstantine@constantine-engineering.com

GOVERNMENT ACTIVITIES

Dennis Knight
Phone: 821-8899

dennis@gkallc.com

SAVANNAH SECTION CHAIR

TBD

SAVANNAH SECTION VICE-CHAIR

TBD

MYRTLE BEACH SECTION CHAIR

Mike Cladakis
Phone: 654-7162

Fax: 881-3628

mike.cladakis@hoffman-hoffman.com

NEWSLETTER EDITOR

Austin Jones
Phone: 259-1588
Fax: 884-3094

Austin.jones@fha-hvac.com

HOME PAGE WEBMASTER

Tim Walker
Phone: 553-5513
Fax: 824-0501

tim@trinityengrs.com

HONORS AND AWARDS

Brian Keiser
Phone: 971-9639
Fax: 971-9641

bkeiser@rmf.com

CHARLESTON ENGINEERS JOINT COUNCIL LIASION

Brett West
Phone: 971-9639
FAX: 971-9641

bwest@rmf.com

YEA CHAIR

Brian Keiser
Phone: 971-9639
Fax: 971-9641

bkeiser@rmf.com