October’s Meeting:  
Humidity vs. The Modern Building

Date: October 9, 2013
Location: The Edison Restaurant
Time: 5:00 p.m. to 5:30 p.m. Board Meeting  
5:30 p.m. to 6:00 p.m. Networking  
6:00 p.m. to 8:00 p.m. Dinner Meeting and Main Program
Cost: $35.00 Per Attendee

No cost for college students with valid I.D. card!

Joint meeting with A.I.A.!
From the desk of Robin Bryant,  
SWF ASHRAE President

This year is off to a great start! Everyone is working hard to get everything organized.  
You should have received the brochure for Golfsgiving last week. Please consider being a sponsor and join us for a day of fun.  
Kathleen Simpson, our new Membership Promotion Chair, has issued everyone a challenge. Check out her article below for details. I hope you will all participate.  
Also, Jason Hardman is working diligently on Student Activities. Our goal is to be just as aggressive this year reaching out to children. I would like to see each member participate in one student related activity this year. Maybe you could be the person to inspire a future engineer. If you would like to get involved, please let one of us know. The more people we get involved, the more fun it will be!

Student Activities — Jason Hardman

We are gearing up for a great year! Here are some of our upcoming events:

On October 15th, some of our Chapter Members including Bill Malphus, Gary Griffin, and Jim Keohane as well as Florida West Coast Chapters’ Leon Boe and Stan Weaver will be part of a Panel Discussion at the University of Florida. The Panel Discussion will be discussing Sales Engineering for the Mechanical and Aerospace Engineering Classes.

The Robotics Competitions are coming up in November. Training for Referees will be in October. Dates have not been posted yet. We can never have too many volunteers. If you are interested in volunteering, please let me know.

As the school boards are settling down into their routines, we will be reaching out to them to start to schedule STEM events at various schools. Details to follow once the dates have been determined. The annual STEMtastic will be held on Saturday, April 5th. More information to come on this Great Event!

Please remember that if you are part of any event (lecture, demonstration, or volunteer related event) in a classroom or at a school, please let me know the date, location, and what you did so that we can give you the proper recognition.
Humidity vs. The Modern Building

Main Program: Building codes are requiring us to build buildings safer, tighter and more energy efficient. The code only building of today would be considered to be a high performance building compared to the building built in 1990. Programs such as the EPAs Energy Star, DOEs Challenge Home, USGBCs LEED, etc are driving us to build buildings that go well beyond code minimums. Considering this, we should be asking ourselves, if we are building buildings so much better, why do so many buildings have condensation issues? The presentation will discuss using high performance building materials without understanding their overall impact on the building system. We will also consider why the ventilation requirements of these above code programs are playing havoc with building durability. We will also talk about a new (or not so new) concept of designing for dew point.

Speaker: Dennis Stroer is a Certified Class A HVAC Contractor He is certified by the State of Florida as a Class 1 Residential Energy Rater, a New Commercial & Public Buildings Rater and by ACCA as a Certified Manual J instructor. He currently is President & owner of Calcs Plus a Building Performance Consulting company in Venice Florida. He has worked with the Building America program through the University of Central Florida and also worked with them training weatherization contractors in Florida. He is currently working with Pacific Northwest National Laboratories as a consultant. He has several published papers written while working with the Building America program and is an approved provider for continuing education credits through the State of Florida. He is a member of RESNET board of directors and sits on their technical advisory committee, he also sits on the board of directors for Habitat for Humanity, South Sarasota County.

** No cost for college students with a valid student identification card!

Joint meeting with A.I.A.!

R.S.V.P. to Kathleen Simpson:

Phone: (239) 332-4646

Email: ksimpson@bandicontractors.com

Pre-pay by the meeting and save $5.00 on our chapter website www.swflashrae.org.
GOLFGIVING 2013

River Hall Country Club
Saturday, Nov. 9, 2013

• Individual and team participation
  • Sponsorship opportunities

Registration information:

• Registration deadline is November 2
• Please mail checks payable to ASHRAE Southwest FL Chapter
• Please mail to:
  B & I Contractors
  c/o James Martin
  2701 Prince Street
  Ft. Myers, FL 33916

  Or

  Pay on line at www.swflashrae.org!

A Portion of the Proceeds to Benefit ASHRAE Research

Statements made in this publication are not expression of the Society
September’s Meeting
Photos
Topic of Liquid Desiccants
ENERGY EFFICIENCY BILL DELAYED IN SENATE

After several hours of debate (preceded by years of preparation), the bipartisan Energy Savings and Industrial Competitiveness Act (S.1392), also known as Shaheen-Portman, was pulled from the Senate floor as a result of a handful of Senators who insisted on holding votes on amendments to the bill concerning the Affordable Care Act (Obamacare), the Keystone XL Pipeline, and U.S. Environmental Protection Agency (EPA) emissions rules. Reaching an impasse, and not wanting certain Senators to face uncomfortable votes, Senate leadership pulled the bill from the floor in the hopes that an agreement on amendments could be reached at a later time behind the scenes. The Senate then turned its attention to the continuing resolution, which would temporarily fund the federal government at fiscal year 2013 levels and avert a government shutdown (more on this issue in the next section).

The immediate future for Shaheen-Portman is unclear. Over 100 amendments were offered to the bill, some of which have strong bipartisan support and are backed by large coalitions of organizations. As a result, demand is building for action. Despite this momentum, the rules of the Senate give considerable power to individual Senators, some of whom appear intent on using any bill—including Shaheen-Portman—to call attention to their own priority issues, such as health care reform. For better or for worse, the rules of the Senate also allow Members to offer amendments that have little or nothing to do with the base bills. Thus, until all Senators are satisfied with the base bill and other, unrelated issues, Shaheen-Portman will likely sit on the sidelines.

The House of Representatives still appears to be waiting for the Senate to act before moving on their own version of Shaheen-Portman, known in the House as McKinley-Welch (H.R.1616). Negotiations continue in both the Senate and House in the hopes that an agreement can somehow be reached, and energy efficiency legislation allowed to move forward.

CONGRESS STRUGGLES TO AVOID GOVERNMENT SHUTDOWN

As of this writing, the House and Senate are barreling headlong towards a government shutdown, which at this stage can only be feasibly avoided if Congress passes what’s called a “continuing resolution”, which would fund the federal government at approximately fiscal year 2013 levels.

In the event of a shutdown, “essential” government services will continue without much, if any interruption, including such things as Social Security checks and public safety. However “non-essential” federal activities would be suspended. These include many programs run by the U.S. Department of Energy, Environmental Protection Agency (EPA), General Services Administration, and others. For a great in-depth explanation of how a government shutdown would work visit http://ow.ly/pfqnt.

The true impact of a shutdown is hard to estimate, as it depends in large part on the length of the event, which is a function of how quickly Members of Congress can reach agreement. Regardless of whether the government shuts down or not, Congress faces another big decision in the coming days—the need to raise the debt ceiling (the Treasury Department has said it will need more borrowing authority by October 17). After the shutdown and debt ceiling issues have been addressed it’s unclear whether Members of Congress will be amenable to resuming debate on the Energy Savings and Industrial Competitiveness Act (S.1392), also known as Shaheen-Portman. The determining factor will likely be the degree to which Members of Congress feel their concerns over unrelated issues such as health care, EPA rules, and other highly politicized issues have been resolved.

REBUILDING AMERICA’S SCHOOLS ACT INTRODUCED IN SENATE

Recently a group of high-ranking U.S. Senators introduced a bill that would help finance school renovation and construction. The Rebuilding America’s Schools Act (S.1523) would:

- Permanently extend and expand the Qualified Zone Academy Bond (QZAB) program. QZABs finance school renovations. The bill would make the QZAB program permanent, and increase its allocation from $400 million per year to $1.4 billion per year, the levels authorized under the American Recovery and Reinvestment Act.

- Permanently reinstate the successful Qualified School Construction Bond (QSCB) program. QSCBs help finance the construction of new schools, but expired at the end of 2010. The bill would reinstate the QSCB program with an allocation of $11 billion per year, the level authorized under the Recovery Act; and

- Make Qualified Zone Academy Bonds easier to use. The bill would restore an expired law that previously allowed school districts to choose to receive direct payments from the Treasury Department to subsidize the interest on the bonds instead of tax credits. It would also allow school districts to meet the requirement of obtaining a 10% contribution from the private sector by pooling their bonds with those of other school districts.

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IF YOU DO WHAT YOU'VE ALWAYS DONE, YOU'LL GET WHAT YOU'VE ALWAYS GOT...

It's time to change things up a bit in as far as Membership is concerned! We all know ASHRAE is a “team” effort and that especially includes gaining and retaining members in our chapter, so...

I'm issuing a challenge (or “game”) to the entire chapter, with prizes involved!!

The Rules

1). Bring 1 person to a meeting that is not CURRENTLY a member, (hint: that means past members count!) you get your name put into a drawing for a prize at the end of the year.

2). If the person you bring joins our chapter, at any point during the year, your name goes in the drawing for a second time.

3). Delinquent Members: If you are able to motivate a member that you believe to be delinquent into paying their dues to make them up to date, you will receive a raffle ticket for the drawing during the monthly meeting.

Membership, just like every other committee needs the support of the entire chapter to be successful. Imagine how many people we can reach out to if we all put a hand in!

Happy Hunting Southwest Florida!

Kathleen Simpson, Membership Chair
**Past Presidents of SWF Chapter #139**

1982-1983  Edward O’Neal, P.E.  
1983-1984  Edward O’Neal, P.E.  
1984-1985  Dennis Holland  
1985-1986  Ross Montgomery  
1986-1987  Jeff Dorini  
1987-1988  Kermit Rood  
1988-1989  Bill Malphus  
1989-1990  Tom Delnay  
1990-1991  Nelson Tarbox  
1991-1992  Gary H. Griffin  
1992-1993  Gary H. Griffin  
1993-1994  Jeff Zenoniani  
1994-1995  Lisa A. Duritsch  
1995-1996  Jason Grabowski  
1996-1997  James Faulkner  
1997-1998  Robert Risley  
1998-1999  Winifred Denius  
1999-2000  Paul Martin  
2000-2001  Don Pine  
2001-2002  Randy Saul  
2002-2003  Jason Allen  
2003-2004  Mark Brant, P.E.  
2004-2005  Guy Van Meulebrouck  
2005-2006  John Pennington  
2006-2007  Kurt Vega  
2007-2008  Mike Myers  
2008-2009  Sam Moreland  
2009-2010  Randy Munsey  
2010-2011  Lawrin Ellis, P.E.  
2011-2012  Chuck Spelman, P.E.  
2012-2013  Autumn Spalding  

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**SWFASHRAE 2012 to 2013 Schedule**

**09OCT13** - Mr. Dennis Stoer / Calcs Plus  
Building Envelope  
Joint Meeting AIA

**13NOV13** - Dr. Stephen Drew, Professor of Business Strategy / Florida Gulf Coast University  
Coping with Change

**08DEC13** - Tour of Chiller Plant - Tampa Aquarium  
Tampa Buccaneers vs. Buffalo Bills

**08JAN13** - Mr. Denny Grimes / Denny Grimes & Company at Royal Shell Real Estate  
The Condition of Fort Myers Real Estate

**12FEB13** - Mr. Bryan Lampley, P.E., LEED AP, ASHRAE Distinguished Lecturer / Hoffman Building Technologies  
Open Control System or What’s in a Name

**12MAR13** - Mr. Terry Garletts / Daikin McQuay  
Understanding Magnetic Bearing Chiller Technology

**09APR13** - Mr. Lewis Harriman, ASHRAE Distinguished Lecturer  
Diagnosing & Fixing Humidity Control Problems in Real-World Buildings

**14MAY13** - Round Table Discussion – Plan Reviewers

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**The Officers**

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Secretary—John Pennington (239) 633-8197 John@boyd-hvac.com

**The Chairs**

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Historian – Jason Grabowski (239) 332-4646 jasong@bandicontractors.com  
CTTC - Ashley Fernandez (239) 332-4646 afernandez@bandicontractors.com  
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Student Activities - Jason Hardman (239) 275-9420 jason.hardman@trane.com  
T.E.G.A - Heather Hsi (813) 312-4037 heatherhsi@gmail.com  
Y.E.A. Chair - David Cawlfield/Edwin Prado  
Newsletter – Heather Hsi (813) 312-4037 heatherhsi@gmail.com  
Webmaster – Sam Moreland – (239) 939-4502 Sam.moreland@gmail.com  
Refrigeration—David Cawlfield (239) 332-4646 dcawlfield@bandicontractors.com  
Honors and Awards—Tim Citek, information to follow  
Advocacy Chair—Gary Griffin (239) 332-4646 Garyg@bandicontractors.com

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