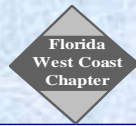


# Keeping it Cool with ASHRAE



Florida West Coast Chapter  
 ASHRAE  
 3203 Queen Palm Drive  
 Tampa, Florida 33619

## From the Desk of the President

Well, the Shrimp Boil has come and gone and what an event it was. First off I have to thank Mike Costello for putting together the best Shrimp Boil that the FWC has had in many years. We had over 180 people attend and enjoy the all you can eat shrimp, and bluegrass band playing outside on the patio. Mike however didn't do it all alone, he has some amazing people step up to help out and I want to thank. First, thanks to Ted Hansen for manning the kitchen, Jason Proctor for his fundraising skills on the 50/50 raffle, Kristen Costello for helping Mike stay focused, decorating, and so much more, Philippe Jean for helping set up as well as his awesome raffle prize of an autographed Rays batting helmet, Leon Boe for cooking the shrimp and working in the kitchen, Joe Cox for picking up the shrimp and his mom for making the corn casserole (it went quickly), Debie Horsey for helping to decorate and manning the door, Dan Herrera for taking some great photos, and last but definitely not least Drew Elsberry for his amusing and entertaining FWC officer announcements for next year.



Our next and final meeting of the ASHRAE year (also **Past Presidents Night**, and **Refrigeration Night**) is our May 22<sup>nd</sup> meeting, and we have some exciting news, **Ron Jarnigan**, ASHRAE President will be visiting our chapter as well as the USF Student Chapter and will be our main meeting speaker regarding **"Sustaining ASHRAE Through Leadership"**. This meeting will be on May 22<sup>nd</sup> at the Columbia in Ybor City. Mr. Jarnagin is a recipient of the Exceptional Service Award, the Distinguished Service Award and is an ASHRA Distinguished Lecturer. He received a bachelor's degree in mechanical engineering in 1978 and a master's degree in mechanical engineering from the University of Florida in 1980 and a bachelor's degree in accounting from Louisiana State University in 1971.

The Florida West Coast Chapter has lost one of its own. I am sad to report that Arthur Whalley of Palm Harbor passed away on April 7, 2012. Arthur has been a long time member of the Florida West Coast Chapter and frequently attended our monthly meetings. He joined ASHRAE in 1966 and became a Life Member in 1999.

**Shawn M. Jeffrey, Sr., FWC President (2011-2012)**

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## Research Promotion

The Florida West Coast Chapter has collected over \$ 14,300.00, please be sure to recognize and thank those investors that are listed in this newsletter.

Thank you all for participating in the 50/50 raffle, the Ray/Yankee Tickets raffle and the Batting Helmet Raffle. You raised over \$800.00 towards Research. Thank you, Mike Costello, with CEA, for running the best Shrimp Boil in years.

We are entering the two months of the fiscal year of ASHRAE. With all of your support, we will reach our goal of \$21,500. If you have not yet donated to Research Promotion, please make your valued contribution to this worthy cause.

Please make your contributions early this year either by check 'Payable to ASHRAE Research' and turn them in to me or if you prefer you can make online donations at [https://www.ashrae.org/aboutus/resource\\_promotion.asp](https://www.ashrae.org/aboutus/resource_promotion.asp) . If you have questions please let us help, contact Philippe Jean at 813-879-0383.

If you make a donation online, please forward me a copy of the emailed invoice so I can ensure that proper credit is given at [pjean@stanweaver.com](mailto:pjean@stanweaver.com).

Thank you all for your support.

**Philippe Jean, PE, LEED AP, Research Promotion Chair (2011-2012)**

## 2011-2012 ASHRAE FWC Sponsors and Donators

**Bronze (\$500—\$999):**

Florida West Coast Chapter  
 Air Mechanical and Service Company  
 Automated Building Control Systems, Inc.  
 Heat Pipe Technologies  
 Advanced Automation Systems  
 Global Plasma Solutions  
 Smith Casady Incorporated  
 Metalaire  
 Applied Air Engineering  
 Tampa Bay Trane  
 Jay Allison  
 Carrier Corporation

**Antique (\$250—\$499):**

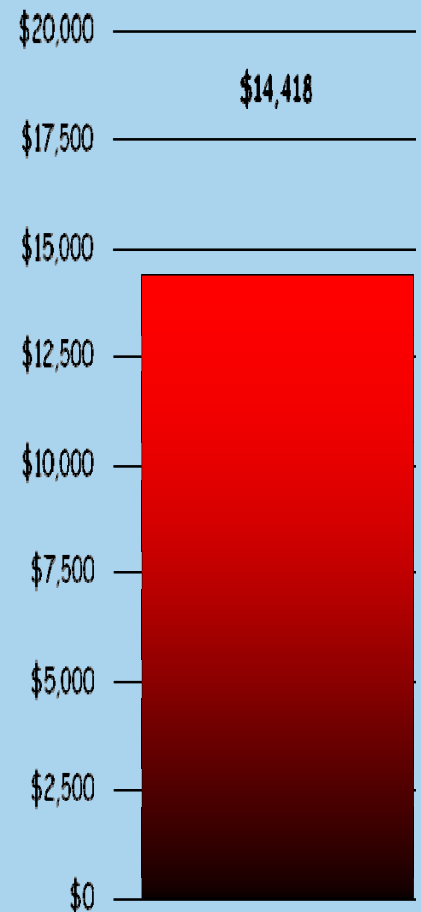
Stan Weaver and Company  
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 Ossi Consultant Engineering  
 Aqua Air Products  
 Gulf Coast Mechanical Sales

**Honor Roll (\$150—\$249):**

Consulting Engineering Associates  
 Original Solutions Company

**Individual Investors (\$100—\$249):**

Malia Powers	Heather Tank, P.E.	Joe Souza
Shawn Jeffrey	Jason Proctor	Raoul Webb, P.E
Joe Cox	Jeffrey Ross	Phillippe Jean, P.E.
Dan Rogers, P.E.	Mike Costello	Jeff Littleton
Thomas H. Williams	Jennifer Isenbeck, P.E.	Ross Montgomery, P.E.
Gregor Gramlich, P.E.	Jasper S. Scott, Jr.	Greg long
Gary Stenlund, P.E.	Robert Barstow, P.E	Russell Scovill



## Free Dinner & Television from Membership Promotion

What do **Dan Rogers**, **Mike Costello** and **Denis O'Leary** (x2) have in common? They are the only chapter members that have a chance to win the 50" LG 3D Television that was on display at the March meeting. **Society does not track referrals so please contact me immediately if you have sponsored a new member and your name is not listed**, I don't want to draw the winner without including everyone eligible to enter. We are down to the wire with less than one month in the ASHRAE year so please make a renewed push for new members! Please note that all new members are eligible to sponsor a friend and earn a ticket to the drawing as well.

I'm happy to report that our MP promotion has resulted in 11 new members since January, and I look forward to seeing many new folks added to our roster by the May cut-off date for our TV promotion.

Our stat's for the 2011/2012 ASHRAE year are as follows:  
New Members – 24, Transfer In – 8, Cancelled Members – (32), Transfer Out – (9)  
Net for ASHRAE Year 2011/2012 – (9)



ASHRAE FWC has a goal of net zero assigned by Society, but we want to excel! Please remind your friends and colleagues that have gone MIA to come to our meetings, renew cancelled memberships, and encourage new members to join our chapter; we all benefit from a strong Society.

The MP committee is focusing our efforts on advancements again this month. If you are a member at the Associate level with 12 years combined education and experience, you probably qualify for advancement to a full Member status. We have 1 member advancement to date so far this ASHRAE year.

### How?

Associates need only update their [member bio](#) online, and email [membership@ashrae.org](mailto:membership@ashrae.org) indicating an interest in advancement... it's that simple! Please don't hesitate to contact me with any questions, and a quick note advising that you've advanced would be appreciated.

The MP Committee is seeking volunteers to assist in our member retention efforts. It doesn't take a whole lot of time or effort, and it's a great way to assist the Florida West Coast Chapter.

I can be reached by cell at 813-309-2155 or [jsouza@filtrine.com](mailto:jsouza@filtrine.com)

**Joe Souza, Membership Promotion Chair (2011-2012)**

## How to Contribute to ASHRAE Made Easy

### 2010-2011 ASHRAE RESEARCH Florida West Coast Chapter

#### Contribution Form:

This industry gives all of us our livelihood. ASHRAE's research and educational programs are what keeps our industry and profession on the leading edge and assures its continued existence. Confident that you will recognize the benefits of this investment, I am asking you to help fund future HVAC&R research and development.

Amount enclosed: \_\_\_ \$250 \_\_\_ \$150 \_\_\_ \$100 \_\_\_ \$50 \_\_\_ Other (specify) \_\_\_\_\_

Name: \_\_\_\_\_

Address: \_\_\_\_\_

Phone Number: \_\_\_\_\_ Member Number (If known): \_\_\_\_\_

Mail completed form with your check, payable to ASHRAE Research to:  
Philippe Jean, Stan Weaver and Company  
4607 North Cortez Avenue, Tampa, FL 33614

## ASHRAE Grassroots Sprouting

ASHRAE's new grassroots government activities initiative is growing day-by-day. As noted in the last edition of Government Affairs Update, ASHRAE members in California weighed-in in force on a proposal, which, if adopted, would prohibit engineers, commissioning agents, and other licensed professionals from performing acceptance tests, while allowing only testing, adjusting, and balancing (TAB) agents and electrical contractors to perform such tests. Though the outcome of member input is still in question, it underlies the importance of ASHRAE members getting involved when appropriate.

How else is ASHRAE expanding its advocacy scope at the chapter level?

- An ad hoc Society subcommittee is crafting training materials – an “Advocacy 101,” if you will – so that the message of member involvement may be easily disseminated and put to good use.
  - Those materials will be put to the test at upcoming Chapter Regional Conferences (CRCs) in Regions II (covers eastern Canada) and XI (covers the Pacific Northwest and western Canada) and, thereafter, will be made available to North American regions and chapters through various avenues.
  - Also speaking to Canadian chapters, Government Affairs staff is working with leaders in Regions II and XI to develop a “gap” analysis to see where member engagement – particularly as far as adoption of ASHRAE standards (e.g., iterations of Standard 90.1, Standard 189.1) – is most needed.
  - Government Affairs staff is in conversations with the Southeastern Energy Efficiency Alliance (SEEA) – one of the now six regional energy efficiency organizations – to ascertain where their efforts on promoting efficiency in the built environment through high-performance codes and standards may gel with what Regions III, IV, VII, and VIII members are trying to do on that front as well.
  - Members in the Central Florida chapter are starting the process of banding together with other engineering societies in the Sunshine State to fight any efforts by the state engineering licensing board to impose “master’s or equivalent” requirements on individuals seeking PE licensure. These are just a handful of initiatives ASHRAE is undertaking to expand its reach in the grassroots arena, so should you want to become part of the movement toward a vibrant network of engineer-advocates:
    - Continue reading Government Affairs Update for the latest news from Capitol Hill and beyond
    - Review advocacy resources available on the [Government Affairs Website](#);
    - Contact your chapter leaders about your interest in promoting and preserving the profession;
    - Follow us on Twitter ([@ASHRAEGovAffs](#), [@ASHRAE\\_Ames](#)) for regularly updated streams of articles and information related to advocacy, standards, and many other topics; and
    - Contact [ASHRAE’s Washington, DC staff](#) to learn more.
- ASHRAE members cannot stand on the sidelines while public policy is made without their technical expertise, so get in the game and make a difference!

## Lawsuit Prompts Smart Meter Use

Privacy and security concerns in Hawaii have resulted in a lawsuit that has halted the installation of smart meters in Hawaii for those that oppose the devices. More information is available at:  
<http://kauai.coopwebbuilder.com/content/kiuc-remains-committed-smart-meter-implementation>



## ASHRAE Provides Suggestions to EIA for Improving the 2012 CBECS

The U.S. Energy Information Administration (EIA) is moving full steam ahead with the 2012 edition of the Commercial Buildings Energy Consumption Survey (CBECS) – a national survey of U.S. commercial building energy consumption, characteristics, and expenditures. The first step in rolling out the 2012 CBECS is designing the questionnaire for the Survey.

In an effort to improve the Survey, EIA reached out to ASHRAE and several other building community stakeholders, and asked us to submit suggestions for improving the questionnaire. ASHRAE's comments can be found at <http://ow.ly/9P7CX>.

EIA is now collecting comments from interested individuals and groups on the 2012 CBECS. A formal request for comments will soon appear in the Federal Register, however interested individuals and groups are encouraged to email Joelle Michaels, CBECS Survey Manager ([Joelle.Michaels@eia.gov](mailto:Joelle.Michaels@eia.gov)), and request additional information prior to the announcement to give yourself more time to respond.

In-depth information on the 2012 CBECS and prior Survey editions can be found at <http://www.eia.gov/consumption/commercial/>.

## Prominent House Republican Releases Budget – Is There Any Relevance for ASHRAE?

Earlier this week U.S. House Budget Committee Chairman Paul Ryan released his budget proposal in a document titled “The Path to Prosperity: A Blueprint for American Renewal”. This plan would slash spending for a large list of programs to help reduce the federal deficit. This plan is getting a lot of press – and it recently won approval by the House Budget Committee (albeit narrowly – the vote was 19 to 18, with two Republicans voting against it). A key question for ASHRAE is, does it have much relevance for the Society?

The short answer is ‘no’ – at least not directly. Chairman Ryan's budget does not directly address building energy efficiency, indoor air quality, climate change, water conservation, or science, technology, engineering, and mathematics (STEM) education. (These are areas that ASHRAE pays particular attention to.)

The absence of these issues does not mean that they aren't considered important by House leaders, rather that they are not main political targets in Chairman Ryan's budget plan.

For more information on House Budget Committee Chairman Ryan's budget proposal, including summary tables, charts, and video, visit <http://budget.house.gov/fy2013Prosperity/>

## Pentagon Seeks Less for Construction, More for Conservation

The U.S. Department of Defense (DOD) is making an effort to increase energy efficiency and conservation while pushing down costs. Here are a few interesting excerpts from a recent press release on the Pentagon's FY 2013 budget request:

- The budget request includes \$547 million to replace or renovate 11 Defense Department schools that are in poor or failing condition, mostly overseas. By the end of fiscal 2018, more than 70 percent of DOD schools will have been replaced or undergone substantial renovation.
- DOD is the owner of 300,000 buildings. The Department has a \$4 billion energy bill for its installations that comes almost entirely from commercial power grids. DOD is trying to change that through energy conservation programs and innovations in alternative energy.
- The Department has created 70 test projects on innovations in areas such as microgrid and storage technologies, advanced lighting controls, high performance cooling systems, waste heat recovery and on-site generation, she said.

**Past Presidents**

1957-58 Karl K. Hickman	1984-85 Charles E. Langbein
1958-59 Sam F. Graziano	1985-86 Thomas H. Williams
1959-60 Julian Johnson	1986-87 Caire A. Boe
1960-61 Ken Whittington	1987-88 Frank Grandinetti
1961-62 Mark E. Mooney	1988-89 Carl B. Lawson
1962-63 James A. Hargan	1989-90 Robert M. Little
1963-64 Daniel R. Manrique	1990-91 Edward C. Spivey
1964-65 E. J. Bauerlien	1991-92 Robert P. Sutton
1965-66 Henry Graham	1992-93 Roger B. Redman
1966-67 Richard Kohle	1993-94 Stephen Chittenden
1967-68 Lamar King/Leland Menard	1994-95 William M. Slade
1968-69 Ed Fuller	1995-96 Juan A. Soler
1969-70 William A. Smith	1996-97 Timothy J. Citek
1970-71 Fared T. Ossi	1997-98 Mark Smith
1971-72 Lee Bendall	1998-99 Joseph Griner, III
1972-73 John Degian	1999-00 Colleen Smith
1973-74 Mark Chambers	2000-01 John W. Wells, III
1974-75 Charles "Stan" Weaver	2001-02 Gary Stenlund
1975-76 Charles D. Jacobs	2002-03 Bill Wright
1976-77 Peter Scott	2003-04 Don Crosby
1977-78 Ray Rinke	2004-05 Ted S. Hansen, Sr.
1978-79 Lloyd H. Biossoneault	2005-2006 P.J. Crespo
1979-80 James H. Carroll, Jr.	2006-2007 Dan Herrera
1980-81 S. Michael Tappouni	2007-2008 Jennifer Isenbeck
1981-82 Alberto J. Sanchez	2008-2009 Debie Horsey
1982-83 James L. Repp	2009-2010 Drew Elsberry
1983-84 Rodney C. Thomas	2010-2011 Jeff Ross

**Job Opportunity**

KPI Engineering, Inc. is seeking a full time Electrical Engineer **PE required** (FL, and able to get in GA).

Minimum 5 years design experience in commercial industry, including hospital, and school experience.

Must be proficient in AutoCAD, photometric calculations, and able to multi-task.

Excellent benefits pay based on experience. Drug Free Workplace

Email resume to:  
[hr@kpiengineering.com](mailto:hr@kpiengineering.com)  
 or fax to (813)241-6498



**Board Members, Committee Chairs and Contact Info:**

<u>Shawn Jeffrey</u> President 813-731-1062	<u>Jason Proctor</u> Pres. Elect/Programs 813-250-0488	<u>Philippe Jean</u> V.P./Research Promotion 813-541-3516	<u>Joe Souza</u> Membership 813-309-2155	<u>Joe Cox</u> Treasurer 813-763-9654	<u>Mike Costello</u> Secretary/Student 813-300-4662
<u>Leon Boe</u> YEA Chair/Governor 813-879-2749	<u>Dan Herrera</u> Historian 813-839-0506	<u>Ike Crimm</u> Governor/ Golf Event 813-758-2749	<u>Debie Horsey</u> Refrigeration 813-748-9406	<u>Malia Powers</u> Government Affairs 813-220-0588	<u>Michael Cowles</u> Newsletter/Governor 813-241-6488
<u>Jeff Ross</u> Nominating/Governor 813-250-0488	<u>Technical Energy</u> Joe Souza 813-309-2155	<u>Jacob Moberg</u> Reception 813-448-0225	<u>LAIR Services</u> Cyber Chair 813-404-2955	<u>Eric Viera</u> Chapter Roster 813-448-0225	<u>Could Be You?</u> Publicity ???





**MAY 22, 2012**

**ASHRAE PRESIDENT, RON JARNAGIN  
COLUMBIA RESTAURANT, YBOR CITY**



The Florida West Coast Chapter of ASHRAE is proud to have ASHRAE's current President Mr. Ronald Jarnagin coming to speak to our chapter on May 22, 2012 at the Columbia Restaurant in Ybor City about:

***“Sustaining ASHRAE Through Leadership”***

Ronald "Ron" Jarnagin is a staff scientist, Pacific Northwest National Laboratory, Richland, Wash. As ASHRAE's president, Jarnagin directs the Society's Board of Directors and oversees the Executive Committee. His presidential theme is Sustaining ASHRAE Through Leadership.

Past service includes all offices on the Executive Committee; chair of the President-Elect Advisory Committee, Members Council, the Advocacy Committee and the Building Energy Quotient Ad Hoc Committee; a consultant to the Standard 90.1 committee, Energy Standard for Buildings Except Low-Rise Residential Buildings. He formerly chaired the Standard 90.1 committee and chaired committees that wrote three Advanced Energy Design Guides on small offices, highway lodging and warehouses and storage units.

Jarnagin is a recipient of the Exceptional Service Award and the Distinguished Service Award. He received a bachelor's degree in mechanical engineering in 1978 and a master's degree in mechanical engineering from the University of Florida in 1980 and a bachelor's degree in accounting from Louisiana State University in 1971.

Please RSVP on the FWC website at: [http://www.ashrae-fwc.org/chapter\\_meetings.htm](http://www.ashrae-fwc.org/chapter_meetings.htm)

Cost: **\$35** thru Paypal or **\$40** day of Event

**(It is still \$40 day of even if you RSVP but do not pay thru Paypal)**

Email me with any questions or to RSVP @ [jproctor@sladerossinc.com](mailto:jproctor@sladerossinc.com) or call (813)250-0488. Jason Proctor, FWC Programs Chair

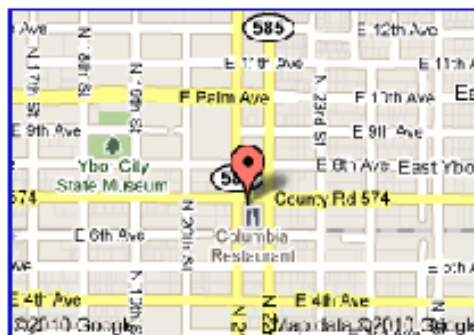
**Meeting Schedule:**

**Board Meeting: 4:15pm — 5:30pm**

**Registration: 5:00pm — 6:00pm**

**Main Meeting: 6:00pm — 8:00pm**

Columbia Restaurant  
2117 East 7th Avenue  
Ybor City, Florida 33605



### ASHRAE, NIST to Host Conference on Refrigerants

ATLANTA – A joint conference focused on refrigerants and hosted by ASHRAE and the National Institute of Standards and Technology (NIST) has been announced for October 2012.

The ASHRAE/NIST 2012 Refrigerants Conference: "Moving toward Sustainability" takes place Oct. 29 -30, 2012, at NIST in Gaithersburg, Md.

"This conference addresses international concerns about the impact of refrigerants on climate change, which inevitably lead to increased focus on refrigerants with a low global warming potential (GWP) applied in high-efficiency systems," Piotr Domanski, conference co- chair, said. "This includes new generations of unsaturated fluorochemicals and expanded use of 'natural' refrigerants."

This is the fourth jointly sponsored refrigerants conference sponsored by ASHRAE and NIST. Past conferences provided information and updates on the phase-out of chlorofluorocarbon (CFC) and hydrochlorofluorocarbon (HCFC) refrigerants, which were implicated in destruction of the stratospheric ozone layer.

The conference provides the latest information on alternative refrigerants, likely time schedules, transition requirements, environmental effects of refrigerants, new refrigerant performance considerations and what will be required to phase-out the use of high-GWP refrigerants with other refrigerant alternatives and technologies.

All those involved in the different aspects of refrigerants and refrigeration technology – policymakers, manufacturers, researchers and government officials – will receive an opportunity to learn about the latest developments and directions going forward.

The conference features invited papers from leading global experts who will cover a broad range of topics, including:

- Status of current environmental, scientific and regulatory activities
- Potential applications of "natural" refrigerants
- Technical developments on new low GWP fluorochemical refrigerants
- Equipment applications using low GWP alternatives
- The opportunities for reducing refrigerant emissions
- Panel discussions by industry experts at the end of each day.

The focus of the conference is on technical issues and the longer term opportunities for success from a global perspective. Experts of every facet of the issues to be covered in the conference are going to be available during the two days of the sessions for an information exchange with an evening dinner on Monday for more informal discussions.

Registration is slated to open in June 2012. The cost is \$390 (\$340, ASHRAE members). For more information, visit [www.ashrae.org/refrigerants2012](http://www.ashrae.org/refrigerants2012).



FLORIDA WEST COAST CHAPTER LEADERSHIP RECALL  
ROBERT P. SUTTON, P.E., C.E.M.  
CHAPTER PRESIDENT 1991-1992



Chapter and Regional Historian  
Regional Award of Merit Recipient

**Biographical Sketch -**

1. I was born and grew up in Norfolk, VA in 1947. I have two older sisters. I have been married 36 years to Marcia (Mash) Sutton. I have two children from an earlier marriage who are a son, age 38, and a daughter, age 40. I have one grandson, age 11.

Attended Granby High School, graduated 1965, attended Old Dominion College, Norfolk, VA 1965-1969 and earned an Associate in Applied Science (AAS) degree in Mechanical Engineering Technology. Joined the Army in 1969 during the VietNam Era. Achieved rank of Specialist V (E5). In the Army I was a construction draftsman, and held a Top Secret-Crypto clearance. I was honorably discharged in 1972. While in the Army I took additional preparatory classes for engineering bachelors degree. Upon discharge from the Army enrolled in college at Old Dominion University, in Norfolk, VA in their engineering program, and earned my Bachelor of Science in Mechanical Engineering in 1975.

My employment background outside of the HVAC industry before, during, and after college ranged from night manager at McDonalds while in the Army, selling shoes at Sears, operating heavy machinery and doing testing procedures for concrete beam factory, bartending, pizza shop worker, draftsman at an engineering firm in Norfolk while in college, sales support and submittal prep for a local Carrier distributor, and selling new and used cars.

2. **Interest in Engineering and the HVAC Industry**

I was not good in math in high school and in fact was a very poor student in high school and barely made it to graduation. I had to convince the technical college admissions to allow me to enroll on a probationary schedule. Upon completing my AAS degree I worked for a local engineering consultant as a draftsman and I then knew I wanted to do engineering design work. But, I had to volunteer for the Army. I signed up for the Army in 1969 in a delayed entry program and knew then that I would need my BS degree to be an engineering consultant since it required a PE license and BS degree.

3. **First Jobs held in HVAC Industry**

While in college for my second time I worked part-time for a local engineering firm as a draftsman/designer in Norfolk, VA. Upon graduation with my BS degree I joined another consulting architectural and engineering firm. My years in college working for an air conditioning distributor and being a draftsman before and while in the Army helped me land this first job.

4. **Challenges faced in the Industry of the time.**

The HVAC industry at that time was booming. Air conditioning and systems design was going through many changes and new technology for VAV systems was emerging. Solar hydronic heating was becoming popular too during that time. The challenges were very much like today, but things happened slower since we had no personal computers, no fax machines, and were just starting to use electronic calculators. Design time was longer and more cumbersome. We also did everything by hand for production drawings. No CAD programs or load programs existed, and catalogs and product selection was slow and tedious.

5. **Involvement in ASHRAE**

I joined ASHRAE the first time while in college after the Army as a student member. After graduation I was in the local chapter but not active in the chapter. I think I let my membership expire. Then later in 1980 I joined again.

6. **Chapter, Regional and Society experience.**

For the FWC chapter I joined the board about 6 to 7 years before becoming president in 1991-92. I held all the positions from board of governors, up through all of the officer chairs with duties as secretary, treasurer, membership, programs, research, vice president, and president elect. I later became the chapter historian in 1995, and later worked as the Region XII Regional Chairman for History in 1996. In 1996 I provided the five year update for the Florida West Coast Chapter and received the Regional Gold Ribbon Award for that update in 1997. I was the recipient of the Region XII Regional Award of Merit in 1997.

7. **Major Issues of the time**

The issues faced during the time of my presidency in ASHRAE were our goals to achieve PAOE. We have and have had a great chapter over all the years I was on the board. I think we won the regional first place chapter award and society recognition on several occasions with the First Place chapter in Society. We continually monitored and updated our goals, our budgets, our research promotion collections, membership, and most importantly worked hard to have good and exciting programs to get our members at the meetings. We always had excellent attendance of 80 to 100 people because of our hard efforts. We had great participation at our events and fundraisers.

8. **Interaction of ASHRAE with the public at the time**

ASHRAE and the public interacted mostly in knowledge based programs for awareness of energy use, clarification of indoor air quality, and in the process of developing codes and standards for buildings and their occupants health and comfort. There was a ongoing effort to make the public aware of indoor air quality, indoor environmental needs and conservation techniques, and industry guidelines on refrigeration and green house gases reductions. ASHRAE and others were in the process of changing many manufacturers to lower emission of green house depleting refrigerants and the phasing out of refrigerants over that time and into the future. This prompted the industry to make many equipment changes. We engineers had to try and keep up with all these changes and guidelines and how they affected our projects.

9. **ASHRAE Committees Service.**

All of them as stated above in item 6.

10. **People of who have influenced Bob Sutton**

Our chapter and regional leaders at the time were the outstanding people in the industry to us. Our regional directors and chairman were basically our leaders and the folks that we looked up to during our growing years in the industry. I recall many of these "old timers" being the kingpins of our business and we respected them. Names like Stan Weaver, Jim Carroll, Ray Patenaude, Ross Montgomery, and many others.

11. **Events that changed ASHRAE at the time.**

The 1976 oil embargo, the Montreal Protocol for Green House gases, and the invention of the personal computer in the early 80's. Many of these things played a huge role in how, why, and what we did. Energy use and conservation were very important.



12. **Events that changed the Industry**

The same ones as stated above.

13. **ASHRAE's meaning to the Industry's growth.**

ASHRAE is the one resource and guide that we all look up to and have used as out standard of the industry for decades. We engineers have relied on the research and the knowledge achieved from engineering studies and design improvement over the years in the handbooks and other standard publications. It would almost be impossible to imagine our industry without ASHRAE's contributions.

14. **Advice to young persons entering the HVAC field.**

Study and read your ASHRAE guides, codes, and standards, spend some time talking to reps to gain equipment knowledge, spend time learning new techniques, spend time in the field talking to contractors and learning installation methods, and stay on top of industry news and changes. There are 20 ways to do the same thing in our business and you need to know how to address situations and provide alternate solutions to all your projects. Nothing is fixed in stone and you should be aware of another way to do what you do and not be stuck on one way to do it. Learn to be a practical engineer with room for improvement and an eye for knowledge and respect for different options.

15. **Humorous events during ASHRAE involvement**

Man, too many to name, and too many to repeat. Had some great times at CRC meetings, and at ASHRAE annual meetings. Mostly I made lifelong friendships that cannot be replaced. It was the best organization and group of individuals I have ever been associated with over my career. I particularly have a huge amount of respect for our Florida West Coast Chapter. It was exciting to be a part of it and to watch it flourish.

16. **Hobbies and interests**

I am an avid but not great golfer, a mediocre fisherman, a good pool player, and love to build things like houses and do home improvements.

17. **Final comments.**

Keep up the good work in our chapter. Let's see it flourish as it did in the 80's and 90's.

# ASHRAE Florida West Coast Shrimp Boil



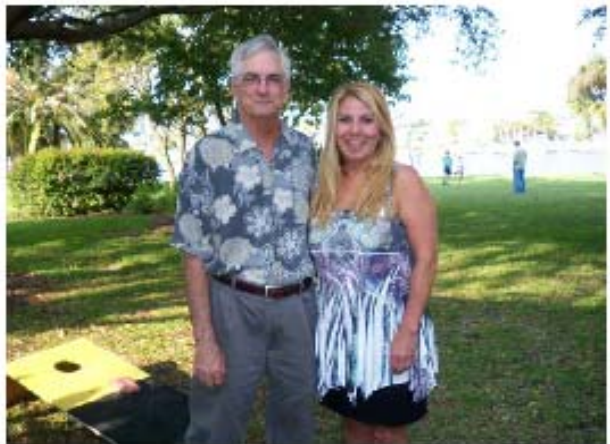


# ASHRAE Florida West Coast Shrimp Boil





# ASHRAE Florida West Coast Shrimp Boil





# ASHRAE Florida West Coast Shrimp Boil

