



Diffuser

Jacksonville Chapter of American Society of Heating, Refrigerating and Air - Conditioning Engineers, Inc.

November 2007

www.ashraejax.org

Volume 21 Number 4

A NOTE FROM OUR PRESIDENT

October was a great month for the Chapter. There are so many people to thank for all the events that took place last month and we have some exciting and interesting events coming up in November & December.

October Meeting in Gainesville

We started off with the October Chapter meeting which was held in Gainesville at the Paramount where we had around 40 attendees including a dozen or so students. Kurt Liebendoerfer (Chapter Vice President and Programs Chair) moderated a panel discussion on career's in engineering with Roman Roman of RS&H, Jean-March Marchand of Stellar, Craig Miller of The Hill Company and Brad Pollit of UF Shands. I want to thank Kurt and the panelists for a very important meeting in promoting our profession.

Before the meeting, Matt Orenchuck had set up a meeting with the University of Florida engineering faculty involved in the air-conditioning classes (Drs. Sherif and Ingley). Unfortunately, Dr. Ingley was unable to make the meeting, but we were able meet with Dr. Sherif and he described some of the fascinating re-

search projects in the field of energy. Joining us was Larry Stoff, our Region XII Vice Chair of Student Activities. We also discussed how our Chapter could support the University's programs through activities such as mentoring and intern programs. My thanks to Matt, Dr. Sherif and Larry Stoff for their work in promoting careers in HVAC&R engineering.

Tallahassee Section Meeting

The next day, it was off to the Tallahassee Section meeting. Charlie Ott set up a tour at the manufacturing facility of Turbocor, maker of oil-free, frictionless, refrigerant compressors. It was a fascinating plant tour and another great turnout of about 25 including several students. Thanks to Charlie and all the folks at Turbocor for making the Tallahassee meeting a great success.

Fall Golf Tournament

Later in the month, we had the Fall Golf Tournament at Queens Harbor to support Chapter Operations. About 1/3 of our operational funds come from this event. We had about 60 golfers and 30 hole sponsors. The rain held out until the last hole and everyone finished their rounds (whether they wanted to or not). I particularly want to thank Russ Gillette, all the

Continued on Page 3

CHAPTER MEETING SCHEDULE

November 13th	Lunch Meeting Research Promotion
December 1st (Saturday)	Oyster Roast
January 8th	Lunch Meeting
February 12th	Lunch Meeting
February 16th	President Ball University Club
March 11th	Lunch Meeting
April 8th	Lunch Meeting
April	Spring Golf Outing
May 13th	Lunch Meeting
June 10th	Dinner Meeting

The simplest way to make a contribution to ASHRAE is through the On-line Contribution Form located at www.ashrae.org. You can also make a check out to ASHRAE Research and send it to our Chapter RP Chairman at the following address:

Rob McClure
c/o York/ Johnson Controls
8245 Bayberry Rd.
Jacksonville, Fl. 32256

Thank you in advance for you support.
Frank Mangin
Chapter President



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SCHEDULED BOG MEETINGS

Monday, November 5, 07

Monday, November 25, 07

Monday, January 7, 08

Monday, February 4, 08

Monday, March 3, 08

Monday, April 7, 08

Monday, May 5, 08

Monday, June 2, 08

Location will be at the Haskell Building

JACKSONVILLE CHAPTER PAST PRESIDENTS

- 1957-58* Burt Sayman
- 1958-59* John Spence
- 1959-60 Jim Hammond
- 1960-61 Paul Stewart
- 1961-62* Walt Van Wagenen
- 1962-63* Al Duffek
- 1963-64* Frank Griffo
- 1964-65 Earl Kelly
- 1965-66 W.W. Gay
- 1966-67* Dave Atkins
- 1967-68 Mac Newell
- 1968-69* Dick Goettling
- 1969-70 Frank Houser
- 1970-71* Loyd Davis
- 1971-72 Bo Beckwith
- 1972-73 Bob Myers
- 1973-74 Jim Grinnan
- 1974-75 Al Hospers
- 1975-76 Roy Colson
- 1976-77* Bob Baker
- 1977-78 Jim Baker
- 1978-79 Ben Bryan
- 1979-80 Vince Wasack
- 1980-81 Gary Wingfield
- 1981-82* Jan Thompson
- 1982-83 Ben Liebttag
- 1983-84 Lane Jackins
- 1984-85 Barney von Herrman
- 1985-86 Lynne Galbraith
- 1986-87 Dennis Mahin
- 1987-88 Fred Wheeler
- 1988-89 Mac Coble
- 1989-90 Neal Taylor
- 1990-91 Ed Grey
- 1991-92 Carl Corneally
- 1992-93 David Boree
- 1993-94 Suzanne LeViseur
- 1994-95 Alan Korb
- 1995-96 James D. Worth
- 1996-97* John M. Lavelle
- 1997-98 Glenn T. Grinnan
- 1998-99 Bryan Finch
- 1999-00 Larry Turknett
- 2000-01 Eric P. Lentz
- 2001-02 Benjamin J. Cole
- 2002-03 Scott Bohn
- 2003-04 Ronald J. Kessner
- 2004-05 Joey Robinson
- 2005-06 John Hale
- 2006-07 Stew Sedgwick

*Deceased

President Letter Continued from Page 1

hole sponsors and golfers for a great event and helping us raise much needed funds for the chapter.

November Theme – Research Promotion

So that about wraps up October, but what about November? Well first, November is dedicated to Research Promotion (RP). Our RP Chair is Rob McClure who has returned to this Chair from last year to once again raise funds for the '07/'08 ASHRAE year. What is RP you may ask? From the www.ashrae.org:

The Research Promotion Campaign annually raises funds to support ASHRAE's research program. It is conducted **by the Society's membership through local chapter volunteers** and receives over 7,000 contributions each year from the membership and companies associated with the HVAC&R industry.

This annual support totals more than \$1.5 million annually and is matched dollar-for-dollar by ASHRAE from the proceeds of the annual winter AHR Exposition. Since ASHRAE pays all the fund raising expenses, 100% of every donor's invested dollar goes into the research program.

What is researched? ASHRAE has a strategic plan for research and it includes exploration of five general areas:

- Energy & Resources
- Indoor Environmental Quality
- Tools and Applications
- Equipment, Components, and Materials
- Education and Outreach

You can find the strategic plan on the ASHRAE website and there are dozens of initiatives, but I thought I'd share just a few of the ones that might be relevant to our chapter members:

- Improve and simplify design and simulation tools for HVAC&R systems
- Determine the cost of providing a comfortable, healthy, and productive environment
- Develop technician training modules
- Determine standard methods of predictive and preventive maintenance procedures

We have a goal of over \$20,000 to contribute to Society for this year. You will be hearing from Rob over the coming months. As this is budget time for many of us, I would ask that you consider including in a contribution in your budget or encourage your budgetary manager to include a contribution in their budgets. If we do this, we can meet and even exceed our goal.

November Chapter Meeting

For our November meeting (at 11:30a on the 13th at San Jose Country Club) we have Mr. Chuck Taylor, of CRT Design Inc. Mr. Taylor, who specializes in the field of hygienic air design for food plants, will be speaking about a subject that affects each of us every day: food safety. See the flyer in this Diffuser and I hope that many of you can make it to this meeting

December Preview - Oyster Roast & Professional Development Seminar

I would like to make an early plug for the Oyster Roast on December 1st (see flyer in this Diffuser). Chris Fowler and the Oyster Roast Committee have put together a slightly different format that will include some unique entertainment. This will be a great time for all and I know many of you look forward to this event every year. Please plan early and buy your tickets as soon as you are able so that Chris can better predict attendance.

Also, we will have a Professional Development Seminar sponsored by The Hill Company that will qualify for Florida Professional Development hours (4). The topic will be Moisture Control and will be held at the Omni hotel downtown (see flyer in this Diffuser)

In Closing

It never ceases to amaze me how many great events this chapter has going on and what incredible volunteer participation we have in putting them together. Thanks to all of you for making this the Jacksonville Chapter of ASHRAE the awesome chapter that we are and see at the next event.

Frank



New Resume Posting Capability Added to Website

The Jacksonville Chapter Website has been updated to include a section to allow posting of members' resume' and employment opportunities. Check out the new section and if you want to post your resume' or employment opportunity, contact Bryan Pratt, the chapter Webmaster.

http://ashraejax.org/Career/aj_career.php.

“At the Tallahassee Section Meeting, Dr. Changiz Tolouee explains how the oil-free, frictionless compressor was developed before the plant tour.

2007 MOISTURE CONTROL SEMINAR

Tuesday, Dec. 4th, 2007

7:00 AM Registration, Event 8:00 AM - 2:00 PM

Keynote Speaker: Dave Knebel, PE - AAON Inc., VP, Sales and Technology

Presented by: Hill Company, LLC

Proceeds donated to local ASHRAE Chapter

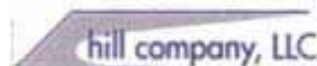
Registration Fee \$125.00 (Includes Continental Breakfast and Lunch)

Seating limited so REGISTER TODAY!

Call Tony Mormino at (904) 268-7881 or Email tmormino@hillcompany.us

Located at the downtown Omni Hotel

Qualified
to provide
PDH's



Membership Benefits

While technical education and information is one of the greatest benefits of ASHRAE membership, there are many other professional and personal advantages:

Learn Technology

ASHRAE is a great place to learn technology:

- Technical program content presented at chapter, region, and Society meetings. Presentations cover a wide range of HVAC&R topics, including Indoor air quality, Compliance with ASHRAE Standards, and more.
- Technical periodicals (link):
 - ASHRAE Journal, a monthly magazine included in your membership, reviews current HVAC&R technology of broad interest through publication of application-oriented articles.
 - The International Journal of Heating, Ventilating, Air-Conditioning and Refrigerating Research a quarterly journal, reports significant research from ASHRAE and the international HVAC&R research communities
 - IAQ Applications, a quarterly magazine, provides practical, applicable information on indoor air quality, and also provide a platform for debate on issues that surround IAQ.
- ASHRAE Handbooks — the most widely cited reference source for HVAC&R technology in the world. ASHRAE members receive one volume of the ASHRAE Handbook (which sells for \$155) each membership year at no charge..
- ASHRAE publications — some 300 current titles — which members are able to purchase at a 20% discount.
- ASHRAE professional educational products — From the ASHRAE Learning Institute, ranging from the Society's semiannual conferences to home study courses — feature discounted registration prices for ASHRAE members.
- ASHRAE Standards & Guidelines – Provide design and application guidance for your projects with more than 100 Standards and Guidelines currently in print. Members can purchase at 20% discount.

Develop Leadership Skills

ASHRAE is a great place to learn leadership skills. If you can learn to motivate volunteers via ASHRAE programs, you can soar when working with teams you are managing. With ASHRAE, there are many opportunities to lead some of the teams driving our industry's technical future.

Network with Industry Professionals

ASHRAE is a great place to network with others in our profession. Even competitors who compete fiercely on bid day can enjoy fellowship on the neutral turf of an ASHRAE meeting. Opportunities include:

- ASHRAE Chapter, Region, Society meetings
- Talk with engineers worldwide in the online forums in ASHRAE's Society Connections eNewsletter (twice monthly).

You also keep updated with the industry via:

- ASHRAE's Insights newsletter – This monthly publication provides news about ASHRAE at the chapter, region and Society levels.
- HVAC Industry eNewsletter – This weekly newsletter keeps you up-to-date on our rapidly-changing industry.

Career Advancement

ASHRAE is a good place to let it be known that you are looking to hire, or sometimes more importantly, that you are looking to be hired. Also, the ASHRAE Learning Institute provides a wide range of education courses that help you advance your career by maintaining your professional designation. Other great ways to further your career:

- Network with other HVAC&R professionals at ASHRAE Chapter, Region and Society meetings.
- Participate in the job postings on the ASHRAE web site.

Professional Development / Education

The ASHRAE Learning Institute offers a unique variety of programs to help you maintain your professional education and designation. With many of the 40+ available courses, you'll earn Continuing Education Units (CEUs) or Professional Development Hours (PDHs), and architects are eligible to receive AIA Learning Units (AIA LUs). Other benefits: by completing a course, you'll be a stronger contributor on the job and enhance your chances for career growth.

Other educational opportunities include:

- Technical topics at your local ASHRAE Chapter meetings;
- and at ASHRAE Region and Society meetings.

Industry Insight

By joining ASHRAE, you'll gain continued insight into the HVAC&R industry. You can be on the "team" with thousands of members who volunteer their time on industry-driven committees, focusing on technology, ASHRAE Standards, and other key topics. In addition, ASHRAE's weekly HVAC&R Industry eNewsletter keeps you informed in developments in our industry.

The Industry's Future: Students

ASHRAE serves a valuable function by attracting the best and brightest students to our industry. Participating in ASHRAE Student Activities gives you first shot at recruiting these students.

Other Benefits

One of the business benefits of ASHRAE membership: Group Insurance — group rate premiums on term life, high-limit accident, disability income; major medical expense, excess major medical, in-hospital expenses and Medicare supplement.



ASHRAE

Technology for a Better Environment

Jacksonville Chapter

ASHRAE Jacksonville Luncheon Meeting Tuesday, November 13, 2007

Speaker: Mr. Chuck Taylor, P.E., CRT Design
Topic: Hygienic Air Design and Food Safety

The Jacksonville Chapter of ASHRAE is pleased to announce Mr. Chuck Taylor, of CRT Design Inc., will be speaking at the upcoming November 13th luncheon meeting. Mr. Taylor is a leading engineer that specializes in the field of hygienic air design for food plants and will share with us some of the insights into this interesting field that directly relates to current events in food safety.

The number one concern for any food processing company today is food safety. Controlling temperature, humidity, pressure and filtration of the air in a plant has become one of the most effective tools to keeping our food safe.

WHO SHOULD ATTEND: All Suppliers, Contractors, Architects and Engineers involved in HVAC&R work related to food and beverage manufacturing, distribution, preparation, packaging and service.

DATE & TIME: Tuesday, November 13th, 2007
11:30 AM to 1:00 PM
Buffet Lunch

LOCATION: San Jose Country Club, 7529 San Jose Boulevard, Jacksonville, FL

COST: \$25.00 required at the door, includes lunch.
Please note we do NOT have the ability to accept credit cards.

FOR FURTHER INFORMATION: Kurt Liebendorfer, VP - Programs Chair
Ph & Fax: (904) 899-9343
Email: Kurt@Stellar.net

RSVP REQUEST: Walk-ins are always welcome, but we are now required to give SJCC a guaranteed minimum 3 business days before the meeting. Please help us avoid extra costs and last minute scrambles to set up tables with your *RSVP to Kurt Liebendorfer by noon November 8, 2007* – Thank You.

ASHRAE, founded in 1894, is an international organization of 55,000 persons. Its sole objective is to advance, through research, standards writing, publishing and continuing education, the arts and sciences of heating, ventilation, air-conditioning and refrigeration to serve the evolving needs of the public.

American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc.

A N I N T E R N A T I O N A L O R G A N I Z A T I O N



A.S.H.R.A.E ANNUAL

OYSTER ROAST

Saturday December 1, 2007

6:00p.m. – 11:00

**Ramallah American Club
on Parental Home Road**

DON'T MISS THIS YEAR!!!

Polynesian Show and Band

Prizes/Gifts/Dancing

Beer/Margaritas

SYA Award/Bull Oyster Eating Contest



**Additional Tickets \$40ea
Contact Ben Cole
at TLC Engineering for Architecture
904-306-9111 or ben.cole@tlc-eng.com**



CALL FOR ASHRAE DISTINGUISHED LECTURER NOMINATIONS

We invite you to nominate qualified candidates for the ASHRAE Distinguished Lecturer Program from outside the U.S. and Canada.

ASHRAE Distinguished Lecturer candidates are not required to be ASHRAE members, but must commit to participate in the program for at least two years and should be excellent speakers and public representatives of the principles of ethical and professional practice for which ASHRAE stands.

Please review the article "Call for Distinguished Lecturers" by Erich Binder, CTTC Distinguished Lecturer Subcommittee Chair, featured in the September 2007 issue of ASHRAE Insights. Mr. Binder highlights program benefits, nomination requirements, and the CTTC search for Distinguished Lecturer nominees from outside of the U.S. and Canada. You may access the article online at <http://www.ashrae.org/publications/detail/16443>.

For additional information, the Nomination Form and a listing of current lecturers, please visit <http://www.ashrae.org/DistinguishedLecturers>. If you need assistance, please contact Rosy Douglas, Chapter Technology Transfer Committee Staff Liaison, at rdouglas@ashrae.org.





North Florida Chapter
U.S. Green Building Council

We look forward to seeing you at this month's chapter meeting.

LEED-CI CASE Study: TLC Engineering for Architecture Office Renovation

PRESENTED BY: SUSAN CLEVELAND, LEED AP
ASD Inc.

TLC Engineering for Architecture's new Jacksonville office renovation achieves First LEED-CI in the state of Florida!



Our USGBC North Florida Chapter would like to invite you to our program this month to provide a better education on LEED-CI (Commercial Interiors) which is a part of a comprehensive suite of LEED assessment tools. Unlike other Building Rating Systems, LEED-CI provides the opportunity for a tenant to occupy an existing building, which may not be LEED certified, but attributes points for site selection, water and energy efficiency, construction materials & indoor air quality.

All LEED Building Rating Systems are better understood by reviewing these actions by example. We are fortunate to have a local engineering firm not only receive the first LEED-CI certification in the state but also receive the first LEED Silver Certification in Jacksonville. TLC's goal of providing a healthier, environmentally conscious working environment was achieved!

Susan Cleveland, ASD's Project Manager for TLC's office renovation, and LEED Accredited Professional (AP) will present this case study to provide a better understanding of the green building criteria for commercial office real estate. Susan is a licensed Interior Designer with ASD Inc. and an active member of the U.S. Green Building Council, North Florida Chapter. She has worked in the Commercial Design field for 15 years and graduated with a Bachelor of Design from University of Florida.

WHEN:

November 15, 2007

11:30 AM - 1:00 PM

WHERE:

**River City
Brewing Company**

**835 Museum Drive
Jacksonville, FL 32207
904.398.2299**

COST:

**\$25 / North Florida
Chapter Members**

**\$35 / Non-North Florida
Chapter Members**

\$10 / Students

Please RSVP to Wayne Dunn
By noon, Tuesday, November 13th
at dunnwa@jea.com



Join us also to learn how valuable LEED-CI can be to your clients or end-user in providing a better quality of construction.





Join ASHRAE in Reaching New Heights!

Make Your Hotel Reservation Today!

Take the first step to ensure you are part of the meeting by making your room reservation today. Online housing is now available, and reservations can be made for the ASHRAE block at the New York Hilton, 1335 Avenue of the Americas.

Complete meeting information can be found at www.ashrae.org/newyork.

Why Should You Attend?

- Access to technical information provided in sessions themed around Reaching New Heights in Net-Zero Energy Design. Over 20 sessions are expected to be approved by the New York Practicing Institute of Engineering (PIE) for professional development hour credit.
- **Technical Tours** – The New York skyline is becoming "greener" thanks to sustainable design measures implemented in buildings across the city. A few of these facilities, recognized around the world for their leadership in sustainable design, are being made available to ASHRAE members as part of the Society's technical tours. ASHRAE encourages you to see first-hand how the built environment in New York City is reaching new heights in sustainable design.
- **AHR Expo Dates Change**
The world's largest HVAC&R trade show event for professionals to buy, sell, network and learn. The AHR Expo is being held Tuesday-Thursday, Jan. 22-24, this year due to the Martin Luther King Holiday. The exposition takes place at the Javits Convention Center.
- **Bring your family** – New York City offers an extraordinary range of tourism opportunities – take advantage of the three-day weekend and bring your family.



This issue of the Diffuser has been made possible by the following people



Applied Mechanical Equipment, Inc.

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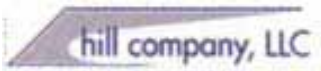
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If you have any questions, please let me know.
Thank you for your support of the Jacksonville chapter of
ASHRAE.
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ben.cole@tlc-eng.com

MARK YOUR CALENDAR!

November 13th

Lunch Meeting
Research Promotion

Saturday December 1st

Oyster Roast

December 4th

Professional Development Seminar:
Moisture Control

January 8th

Lunch Meeting

**JUST A REMINDER THAT YOUR WRITTEN ARTICLES
OR PDF FILES FOR ANY DIFFUSER NEED TO BE SENT
TO BEN COLE AT COLE.BEN@COMCAST.NET BY THE
20TH OF EACH MONTH!!**

Notes:

1. All BOG meetings are open to the membership and will be at Haskell Building from 11:30 AM to 1:00 PM
2. All Jacksonville chapter meetings are typically at the San Jose Country Club \$25.00 for Lunch
3. All Gainesville Meetings are at the Gainesville Paramount Hotel
4. Lunch Meetings are from 11:30 AM to 1:00 PM
5. Dinner Meetings are from 6:00 to 8:00 PM
6. Any deviations will be listed in Diffuser and on Chapter Website

