



# Central Oklahoma Chapter

ISSUE 3 - October  
2014-2015 EDITION

[www.ashrae.org](http://www.ashrae.org)  
[www.ashraecok.org](http://www.ashraecok.org)

## *Sou'Wester*

Monthly Newsletter of the Central Oklahoma Chapter



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### UPCOMING EVENTS

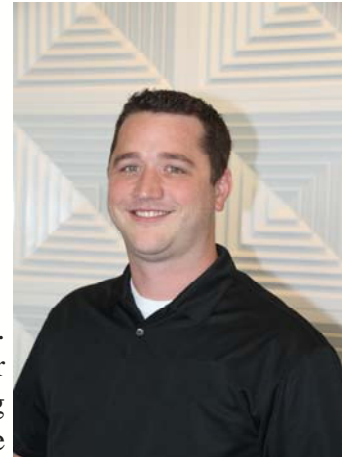
- November Chapter Meeting  
November 5, 11:30am Lunch  
3rd Floor Retail Space of 50 Penn Place  
Retro-Commissioning of Health Care Facilities
- December Chapter Meeting  
December 3, 11:30am Lunch  
3rd Floor Retail Space of 50 Penn Place  
Ethics
- January Chapter Meeting  
January 7, 6:00pm Meeting  
3rd Floor Retail Space of 50 Penn Place  
Variable Refrigerant Flow & ASHRAE 15

## Presidential Responsibilities

### President's Message

By: Joe Sanders

The first chapter meeting of this ASHRAE year is in the books. Oklahoma Secretary of Energy and Environment, Michael Teague, was our guest speaker; and based on the feedback from those who attended the meeting his presentation was well received. Secretary Teague offered a glimpse into the inner workings of his department and the state government in general that was an interesting departure from our typical chapter meetings. November's presenter, Mr. Ed Tinsely, will be speaking about retro-commissioning; more details on his presentation can be found in this newsletter.



**Joe Sanders**  
2014-2015 Chapter President

In each of my first two newsletters I have asked for any interested in getting more involved in ASHRAE to please contact me. I have been pleasantly surprised by the response I have received so far, however, one thing I have learned is that many people are unfamiliar with the individual committees. This month we have decided to try to shed some light on these committees and officer positions, and exactly what is involved in running them.

As chapter president my duties include overseeing all chapter activities, presiding over meetings and the board of governors, and ensuring that important chapter operations are completed on time. I also must attend the region's CRC and prepare for the meeting by developing motions and our chapter CRC report. The chapter president is also responsible for proposing the yearly budget and disseminating information from Society to the chapter.

In my opinion, the most important duty as chapter president is building a top notch support team by finding the best candidates possible to serve as committee chairs. I am extremely fortunate to have the group of committee chairs and board members that are serving our chapter this year. These volunteers have made my job significantly easier and offer excellent insight and ideas on not only maintaining our chapter's long history of success, but improving on it as well.

Please take the time to read each of the articles in this newsletter. If you find a committee that you believe you may be interested in being a part of please contact that committee's chair person or myself.

Joe Sanders

*ASHRAE Central Oklahoma Chapter President*



## Writing History Historian Message

By: Alan Loeffler

A few months ago, I discovered a small envelope at our company in an old file which contained some old black & white miniature prints. I was attracted to one photo of my grandfather Loeffler who had been the primary founder of our company. An associate who had a good scanner blew up the small picture into what you see in the associated photo. The picture of my grandfather was a candid shot of him in front of our company, looking at something in the distance. This picture made me wonder about different things. What was he thinking about at this time in his life? It was during the Great Depression of the 1930's, and I know from others that keeping the doors of the company open during those years was a constant challenge. What were his aspirations when he started the business? What were his challenges? What were his desires for the future? I never met my grandfather Loeffler. He died at the early age of 56 from heart issues, 6 years before I was born. I'll never know in detail what he thought. All I can do is piece together information passed down to me. But what I have learned has been instructive to me in my own life.



Alan Loeffler reminiscing his  
company's history

That's why I enjoy history, and that's why I enjoy being the chapter historian. We can learn from those who have gone before us – both from their successes and failures. We can be inspired by their work ethic, perseverance and character. My goal as Chapter Historian is to accurately record our present chapter history, and also try to share what I learn about those who have gone before us in our industry.

And we can realize that “we are writing history” by what we do today. Others are watching us, just as we look at those who went before us. Let's write some good history.

Alan Loeffler

*ASHRAE Central Oklahoma Chapter Historian*



**Chapter Technology Transfer (CTT)**  
***November Program: Retro-Commissioning***  
By: Michael Wilson

We greatly appreciate Secretary Michael Teague taking time to speak to us at our October chapter meeting. There are many areas of focus his office is working on from energy production, water resources, earthquakes, energy codes, and much more. It was great to hear about all the different challenges and opportunities our state has to face in the near future and how they are being dealt with.

For the November chapter meeting, our guest will be Mr. Ed Tinsley. He is the cofounder of TME, Inc. and currently serves as the Executive Managing Principal & Chairman of the Board. Mr. Tinsley will be speaking to us about Retro-Commissioning.

Ed has more than 30 years of industry experience, both as a consultant and as facility manager for a large hospital. During his career, he has specialized in the field of energy conservation. He has taught more than 150 classes on a variety of subjects including ventilation systems, high performance chilled water systems, MEP/FP systems, medical gas systems, project management, infection control and risk assessment, energy procurement, performance contracting, commissioning, sustainable design, and energy conservation. In addition, he has authored numerous magazine articles and white papers on these subjects, including many sections of ASHE's Health Facility Commissioning Guidelines. He is the recipient of the 2010 ASHE Crystal Eagle Award, as well as several other awards, including two Presidential Awards for Leadership in Federal Energy Management, the ACEC Engineering Excellence Award and eight ASHRAE Energy Awards.



**Ed Tinsley**  
**November's Guest Speaker**  
**Retro-Commissioning**

Finally, November is "Bring a Guest" month. So, if you know an owner, architect, electrical engineer, etc. that would be interested in Retro-Commissioning please bring them with you and you can sign them up as a guest when you register online.

If you have any ideas for events, want to get involved, or if you want to sponsor an event please contact me. Michael Wilson can be reached at 405-416-8373 or [michael.wilson@guernsey.us](mailto:michael.wilson@guernsey.us)

## Social Media Cross-Promotion Information

Please help grow these social media connections in this digital age. Please stop in any of these links to add, like, or bookmark for your most current COK media.

**facebook** [www.facebook.com/pages/Central-OK-ASHRAE-Chapter/250475394801](http://www.facebook.com/pages/Central-OK-ASHRAE-Chapter/250475394801)

**in** <http://www.linkedin.com/groups/ASHRAE-Central-Oklahoma-Chapter-4653796/about>

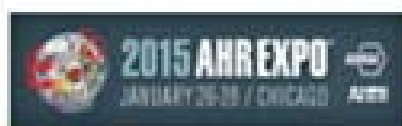
**twitter** <https://twitter.com/CentralOKASHRAE>; [@CentralOKASHRAE](https://twitter.com/CentralOKASHRAE)



# ASHRAE Returns to Chicago!

Winter Conference  
January 24–28

AHR Expo  
January 26–28



The ASHRAE Conference takes place Jan. 24-28 at the Palmer House Hilton. The ASHRAE co-sponsored AHR Expo, takes place Jan. 26-28 at McCormick Place.

At [www.ashrae.org/chicagomarketing](http://www.ashrae.org/chicagomarketing), you can find banners and ads for your chapter websites and newsletters to use in promoting the Conference and the Show. These materials include complimentary passes to the Expo that you can use to promote the event to those outside of the ASHRAE family. To obtain additional free passes for distribution or any additional AHR Expo promotional material, please contact Kimberly Pires at [kpaires@iecshows.com](mailto:kpaires@iecshows.com).

The financial support provided by the AHR Expo helps fund vital research and other member programs. We all will benefit from a strong turnout in Chicago. Your contribution to that success will be sincerely appreciated. If there is anything else Headquarters can do to support your promotional program, please be sure to let us know. Thank you!



## YEA

### *YEA Chair Responsibilities*

By: Andy Donehue

The YEA Chair's main responsibility is to reach out to the young members (age 35 and younger) of our chapter and help them build a stronger foundation in our market as well as their career. The YEA Chair plans different events that are focused on both educational and networking programs that are tailored to the members' specific needs.

The YEA chair will plan an event, social or educational, once a month and invite the local YEA members. They are responsible for contacting local venues to reserve a time for the event as well as corresponding all of that information to the YEA members of the chapter. The YEA chair is also responsible for finding sponsors for the YEA events. The main purpose of YEA is to network and meet other young professionals that may be going through the same experiences that you are going through. It is the YEA Chair's responsibility to facilitate this in whatever way best fits the YEA members' needs. please contact me.

Andy Donehue can be reached at 405-317-0552 or [andy.donehue@trane.com](mailto:andy.donehue@trane.com).



## Student Activities

### *OSU Campus Visit & SAC Responsibilities*

By: Caleb Spradlin

In the last month I was able to travel to Stillwater and visit the ASHRAE Student Branch at OSU. The graduate students also gave me a tour of their labs to show me the research work they have been doing on refrigerant. While at OSU, I was also able to meet with Dr. Fisher, the faculty advisor for the OSU Student Chapter, as well as Matt Mitchell, the Student Chapter President. Together we discussed the possibility of adding more HVAC content to classes at the undergraduate level, as well as ways to recruit more undergraduate students to join their branch, as they are mostly graduate students.

This month there have been 17 new student members to join ASHRAE student branches. 16 of these new student memberships are from the University of Oklahoma, 1 is from Oklahoma State University.

For reader's insight into the Student Activities Committee (SAC) Responsibilities, per the ASHRAE manual for Chapter Operations, the SAC is to act as liaison between chapter and area educational institutions, such as University of Oklahoma and Oklahoma State University. During the chapter year the committee is to develop and coordinate awards, scholarships, and other student incentives. It is also import for the committee to recruit new student members and encourage the continued operation of the student ASHRAE branch(es), as well as provide information and resources on present and future industry manpower needs at both faculty and student levels. The committee also is responsible for attending the Student Activities Committee at the CRC and cooperate and seek advice from Regional Vice Chair (RVC) for Student Activities.

Caleb Spradlin can be reached at 405-463-6570 or [cspradlin@tmecorp.com](mailto:cspradlin@tmecorp.com)

## ASHRAE Learning Institute 2014 Fall Online Course Series

### 2 WAYS TO REGISTER

Take 3 or more courses and save 15% off registration!

**Internet:** [www.ashrae.org/onlinecourses](http://www.ashrae.org/onlinecourses)

**Phone:** Call toll-free at 1-800-527-4723 (US and Canada) or 404-636-8400 (worldwide)

**Note:** You may register up to 24 hours prior to an online course. Courses are in US Eastern Time.

#### High-Performance Building Design: Applications and Future Trends

Mon, September 8, 2014 – 1:00 pm to 4:00 pm EDT

#### Air-to-Air Energy Recovery Applications: Best Practices

Wed, September 10, 2014 – 1:00 pm to 4:00 pm EDT

#### Evaluation Methods for High-Performance Green Buildings

Mon, September 22, 2014 – 1:00 pm to 4:00 pm EDT

#### Fundamental Requirements of Standard 62.1-2013

Wed, September 24, 2014 – 1:00 pm to 4:00 pm EDT

#### **NEW!** Building Demand Response & the Coming Smart Grid

Mon, September 29, 2014 – 1:00 pm to 4:00 pm EDT

#### District Cooling & Heating Systems: Central Plants

Mon, October 6, 2014 – 1:00 pm to 4:00 pm EDT

#### Maximizing Customer Benefits Using Key Electric Utility Products

Mon, October 13, 2014 – 1:00 pm to 4:00 pm EDT

#### Combined Heat & Power: Creating Efficiency through Design & Operations

Mon, October 20, 2014 – 1:00 pm to 4:00 pm EDT

#### Design of Commercial Ground Source Heat Pumps

Wed, October 22, 2014 – 1:00 pm to 4:00 pm EDT

#### Energy Efficiency in Data Centers

Mon, November 3, 2014 – 1:00 pm to 4:00 pm EST

#### Commissioning for High-Performance Buildings

Wed, November 5, 2014 – 1:00 pm to 4:00 pm EST

#### Exceeding Standard 90.1-2013 to Meet LEED® Requirements

Wed, November 12, 2014 – 1:00 pm to 4:00 pm EST

**The following courses are comprised of two parts. Registrants must attend both parts in order to receive CEU/PDH credits.**

#### Complying with Standard 90.1-2013

Part 1 - Mon, September 15, 2014 – 1:00 pm to 4:00 pm EDT

Part 2 - Wed, September 17, 2014 – 1:00 pm to 4:00 pm EDT

#### Healthcare Facilities: Best Practices for Design & Applications

Part 1 - Wed, October 8, 2014 – 1:00 pm to 4:00 pm EDT

Part 2 - Wed, October 15, 2014 – 1:00 pm to 4:00 pm EDT

## HVAC Design Training

2 Courses, 5 Days of Intense Instruction

November 2014 – Atlanta, GA

### HVAC Design: Level I - Essentials

ASHRAE's *HVAC Design: Level I - Essentials* provides intensive, practical training for HVAC designers and others involved in delivery of HVAC services. Gain practical skills and knowledge in designing, installing and maintaining HVAC systems that can be put to immediate use. The training provides real-world examples of HVAC systems, including calculations of heating and cooling loads, ventilation and diffuser selection using the newly renovated ASHRAE Headquarters building as a living lab.

### HVAC Design: Level II - Applications

ASHRAE's *HVAC Design: Level II - Applications* provides advanced instruction on HVAC system design for experienced HVAC designers and those who complete the *HVAC Design: Level I - Essentials* training. In two days, gain an in-depth look into *Standards 55, 62.1, 90.1, and 189.1* and the *Advanced Energy Design Guides*. Training will focus on a range of topics including: HVAC equipment and systems; energy modeling; designing mechanical spaces; designing a chiller plant; and BAS controls.

Visit [www.ashrae.org/hvacdesign](http://www.ashrae.org/hvacdesign) to register





## Membership Promotion

### *Membership Promotion Responsibilities*

By: Daniel Brazeale

As the name of the committee suggests the sole purpose of the Membership Promotion Committee is the retainage and recruitment of ASHRAE members. The committee is comprised of a Chair, Co-Chair and a sufficient number of area-assigned members. To kick off the new ASHRAE year as the Membership Promotion Chair I attended the CRC in Little Rock, AR. This served not only as an opportunity to meet the Membership Promotion Regional Vice Chair (MP RVC) for Membership Promotion but also a chance for some training. At the training I learned about the responsibilities and expectations of the MP Chair. A few of these responsibilities are to attract new members who will be active in ASHRAE, encourage membership from all segments of the industry (i.e. manufacturer, rep, contractor, owner), and communicating with the MP RVC. I had a meeting with our MP RVC, Ian Bost, to go over our Chapter Goals and MBO (Management by Objectives) a few months after the CRC and as a result the goals for our Chapter are as follows:

1. Annual Net Growth of 5 Members
2. Manage Delinquencies to no greater than 2% of Chapter Assigned Members
3. Recognize New Members at each Chapter Meeting
4. Exceed PAR by 100 Points

Feel free to contact me if you have any questions on the role of the Membership Promotion Committee. I would be glad to go into more detail.

Daniel Brazeale can be reached at 405-464-3677 or [dbrazeale@eei-ok.com](mailto:dbrazeale@eei-ok.com)



## Research Promotion

### *Funding & Contribution*

By: Adam Shupe

Thank you to all those individuals and companies who have donated to ASHRAE this year. Your support is appreciated and can be seen in the research projects at our local universities. For those that have not donated, please consider contributing as part of your end-of-year donations.

I hope that Research Promotion can count on your support this year. Please visit [www.ashrae.org/contribute](http://www.ashrae.org/contribute) if you would like to contribute.

Adam Shupe can be reached at 405-535-6244 or [ashupe@burnsmcd.com](mailto:ashupe@burnsmcd.com)



## ASHRAE Certification Programs

### BEMP Practice Exam Now Available

ASHRAE has launched a practice exam for the Building Energy Modeling Professional (BEMP) certification. The practice exam is designed to be similar in content and difficulty to the actual certification exam. It is a low-cost, online tool for limited self-assessment with a score report overview of performance at the end of the exam. Practice exams are already in place for the BEAP, CPMP and HFDP certifications. Practice exams for the HBDP and OPMP certifications are under development and should be launched later this year.

Visit [www.ashrae.org/BEMP](http://www.ashrae.org/BEMP) to learn more about the BEMP practice exam.

Visit [www.ashrae.org/certification](http://www.ashrae.org/certification) to learn more about ASHRAE certifications.

## New Publications from ASHRAE

ASHRAE, a leader in building information technology, develops publications that impact every facet of the environment, both indoors and out.

### Data Center Design and Operation – ASHRAE Datacom Series CD 4<sup>th</sup> Ed.



This CD-ROM presents the full text of all eleven ASHRAE Datacom Series publications and Standard 127-2012 in fully searchable and printable PDF format. Authored by ASHRAE Technical Committee 9.9, the Datacom Series provides comprehensive treatment of data center cooling, energy efficiency, and related subjects.

\$289 (\$246 ASHRAE Member) / CD / 2014

### ASHRAE Reference Offers Design Guidance on Healthcare HVAC Systems



The second edition of *HVAC Design Manual for Hospitals and Clinics* provides in-depth design recommendations based on best practices from consulting and hospital engineers, with a focus on presenting what's different about healthcare HVAC systems.

\$129 (\$109 ASHRAE Member) / 312 pages / 2013

Visit [www.ashrae.org/bookstore](http://www.ashrae.org/bookstore) to learn more about these and other outstanding ASHRAE publications!



## Refrigeration

### *Refrigeration Chair Responsibilities*

By: Jason Keyes

As many of you know I have had the pleasure of participating in our local chapter as a member of the Board of Governors for several years. This year I have added Refrigeration Committee Chair to my ASHRAE resume. The most visible part of what this position provides is the annual refrigeration tour. A yearly site visit is organized to a local facility to showcase refrigeration in our industry and visit with the people responsible for developing and maintaining these systems.

While you may be familiar with the tour there are several other activities performed behind the scenes. The Refrigeration Chair works with the CTTC Chair to ensure the chapter has access to speakers and resources covering this area. Additionally this position solicits local refrigeration projects that may qualify for national ASHRAE awards such as the Milton W. Garland Commemorative Award for Project Excellence. In the future, remember there is more than meets the eye when it comes to being the Refrigeration Chair. It's kind of like ASHRAE's James Bond. Of refrigeration.....

Jason Keyes can be reached at 405-948-1794 or [jason.keyes@abscompanies.com](mailto:jason.keyes@abscompanies.com)



## Honor & Awards

### *Member Recognition Awards*

By: Tino Mendez

There are a number of Awards available for recognition of our members that are fully described at the Society website: [ASHRAE.org/Membership](http://ASHRAE.org/Membership) and [Conferences/Honors and Awards/Program](http://ASHRAE.org/Conferences/Honors%20and%20Awards/Program) page.

Login and look through the extensive list. Some of the awards are very specific and require unique contributions to Society that are beyond the level of involvement normally experienced at the Chapter and Regional Levels. I am going to concentrate our efforts at the Chapter and Regional levels for now.

Society awards service points for work at the Chapter level such as Chairman of a Committee, Member of the Board of Governors, Treasurer, Secretary, VP and of course President. At the regional level, points are awarded for work as regional members such as the Vice-Chairs of the standing committees such as CTTC, Membership, Research Promotion, etc. At Society level points are awarded for membership on Society Committees like Handbook, Professional Development, Technical Committees, etc. Listed below I provided some insight into several available awards.

- The first Award that I would like to focus on is the Chapter Service Award. We should have several individuals that would qualify. Total point requirement is 15.
- Another Award is the Regional Award of Merit, This one requires 12 points but there is a limit on Chapter points.
- The Distinguished Service Award requires a total of 15 points but there are some restrictions on which points count. Total point count is 15.
- The Outstanding Service Award requires a total of 45 points and one of the pre-requisites is the Distinguished Service Award.
- Lastly, one award that is not based on points is the FELLOW member award which recognize contributions by the member to Society at large and not necessarily through ASHRAE. Contrary to what some people may believe, this award is not restricted to Engineers/Designers but can be awarded to Contractors and Suppliers that have documented contributions of a significant nature.

I will be working this year on identifying individuals, from our Chapter, that qualify for these awards. If you know someone that fits the requirements for these awards, let me know via my contact information below.

Tino Mendez can be reached at 405-590-4479 or [tinomendez@cox.net](mailto:tinomendez@cox.net)



### Save these dates:

Oct 1:	50 Penn Place	11:30 AM	Michael Teague on OK's Energy Future
Nov 5:	50 Penn Place	11:30 AM	Ed Tinsley on Retro-Commissioning
Dec 3:	50 Penn Place	11:30 AM	Bruce Pitts on Ethics
Jan 7:	50 Penn Place	6:00 PM	VRF & ASHRAE 15
Feb 4:	50 Penn Place	11:30 AM	Distinguished Lecture on ASHRAE bEQ
Mar 4:	Francis Tuttle	6:00 PM	Tour and Spouse Dinner
Apr 1:	50 Penn Place	11:30 AM	HVLS Fans & ASHRAE 55
May 6:	50 Penn Place	11:30 AM	Psychrometrics

\*Register and pay on our website: [ashraecok.org](http://ashraecok.org)

### This month's theme is ASHRAE Committee Chair Responsibilities

To find more associated information for involvement in any of these positions, please visit ASHRAE website @ <http://www.ashrae.org/society-groups/chapters/manual-for-chapter-operations>

## Upcoming Meetings and Events

Date	Event	Location	Topic	Presenter
10/01/14	October Meeting	50 Penn Place, 3rd Floor 11:30am Lunch	Oklahoma's Energy Future	Secretary Michael Teague
11/05/14	November Meeting	50 Penn Place, 3rd Floor 11:30am Lunch	Retro-Commissioning of Health Care Facilities (Bring a Guest)	Ed Tinsley
12/03/14	December Meeting	50 Penn Place, 3rd Floor 11:30am Lunch	Ethics (Joint Meeting with other PEs)	Bruce Pitts
01/07/15	January Meeting	50 Penn Place, 3rd Floor 6:00pm	Variable Refrigerant Flow (Past Presidents Night)	TBD
02/04/15	February Meeting	50 Penn Place, 3rd Floor 11:30am Lunch	ASHRAE bEQ Program (New Member Reconignition)	Ross Montgomery (Distinguished Lecturer)
03/04/15	March Meeting	Francis Tuttle Main Campus, 6:00pm	Kitchen Systems (Spouse's Night) Tour & Dinner at District 21 Kitchen	TBD
04/01/15	April Meeting	50 Penn Place, 3rd Floor 11:30am Lunch	HVLS Fans & ASHRAE 55	Barry Warner
05/06/15	May Meeting	50 Penn Place, 3rd Floor 11:30am Lunch	Psychrometrics	TBD

# 2014-2015 COK CONTACT INFORMATION

	Contact	Company	Phone	Email
<b><u>OFFICERS:</u></b>				
President (CRC Delegate)	Joe Sanders	RB Akins Company	(405)947.6502	jsanders@rbakins.com
President Elect (CRC Alternate)	John Semtner	ADG	(405)232.5700	jsemtner@adgokc.com
Secretary	Mark Furgason	Automated Building Systems	(405)947.1794	mark.furgason@abscompanies.com
Treasurer	Stephanie Thomas	TME, Inc	(405)463.6570	stthomas@tme corp.com
<b><u>BOARD OF GOVERNORS:</u></b>				
Board of Governors	David Royal	Automated Building Systems	(405)948.1794	david.royal@abscompanies.com
Board of Governors	Rick Marsh	Trade Mechanical	(405)521.1497	rmarsh@trademech.com
Board of Governors	Grant Flurry	Federal Corporation	(405)239.7320	gflurry@federalcorp.com
Board of Governors	Brian Sauer, P.E.	F+S+B	(405)840.2931	bsauer@fsb-ae.com
Board of Governors	Adam Shupe	Burns & McDonnell	(405)200.0306	ashupe@burnsmcd.com
Board of Governors	Michael Wilson	Guernsey US	(405)416.8373	Michael.wilson@guernsey.us
Board of Governors	Daniel Brazeale	Engineered Equipment Inc.	(405)525.7722	dbrazeale@eei-ok.com
Board of Governors	Jason Keyes	Automated Building Systems	(405)948.1794	jason.keyes@abscompanies.com
Board of Governors	Dusty Stoabs, P.E.	F+S+B	(405)840.2937	dstoabs@fsb-ae.com
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Research Promotion	Adam Shupe	Burns & McDonnell	(405)200.0306	ashupe@burnsmcd.com
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YEA	Andy Donehue	Trane	(405)717.7667	andy.donehue@trane.com
Membership Promotion	Daniel Brazeale	Engineered Equipment Inc.	(405)525.7722	dbrazeale@eei-ok.com
Webmaster, Homepage, & Electronic Comm.	David Royal	Automated Building Systems	(405)948.1794	david.royal@abscompanies.com
Honors & Awards	Tino Mendez	Retired	(405)843.3579	tinomendez@cox.net
Newsletter	Damon McClure	Harrison-Orr Air Conditioning,	(405)520.2492	damonm@harrisonorr.com