



# The Razorback Report



Arkansas Chapter Newsletter for the American Society of Heating, Refrigerating, and Air-Conditioning Engineers, Inc.

www.arkansasashrae.org

Volume XVII, Issue 4, December 2005

## The President's Message

By Chance Hollingsworth

Holiday Greetings Arkansas ASHRAE. In the spirit of Thanksgiving and the upcoming Holiday season, your Arkansas ASHRAE Chapter officers, Committee Chairs and Board of Governors would like to express thanks and appreciation for your continued support and involvement in ASHRAE activities on a chapter level and a society level. We greatly appreciate your hard work and contributions.

As a follow up to last month's program on "Variable Primary Chilled Water Design" the ASHRAE Journal has couple of good articles that you may find interesting and an informative resource. "Selecting Valves for Variable Flow Hydronic Systems" by Gil Avery P.E. Fellow/Life Member - Sept. 2005, "Evolving Design of Chiller Plants" by Thomas H. Durkin P.E. Member - Nov. 2005

In an effort to keep you informed of educational opportunities outside of ASHRAE and in keeping with ASHRAE policy to reach out to other organization in our industry, The board may elect from time to time to share with our membership via email announcements from other organizations. It is ASHRAE's policy and our obligation to keep this information objective, unbiased, and free from commercialism. In addition, it is ASHRAE's policy to keep personal information collected by ASHRAE confidential, and to not sell, rent, loan, or otherwise disclose such information to third parties.

## DECEMBER MEETINGS

### Northwest Arkansas

**Date:** Thursday, December 1st  
**Location:** A.Q. Chicken, Springdale, AR  
**Schedule:** 5:30 - Social  
6:00 - ASHRAE Business / Dinner  
6:45 - Program - "NEBB Test, Balance, and Commissioning: An In-depth Look." by Tom Hanlon  
**Cost:** \$10.97 / person

### Central Arkansas

**Date:** Wednesday, December 7th  
**Location:** Whole Hog Cafe, Little Rock, AR  
**Schedule:** 10:30 - Board Meeting  
11:30 - Tech Session - Government Affairs Update by Mike McClellan  
12:00 - Program - "Electrical Arc Flash Protection" by John Clayborn  
**Cost:** \$15.00 / person

On a society level - The Advanced Energy Design Guide for Small Office Buildings is a recipient of a USGBC 2005 Leadership Award, which recognizes outstanding individuals and organizations that signify vision, leadership and commitment to the evolution of green building design and construction. The guide received the Research Award for being "a significant contribution helping to advance green building." In addition, Designers can now earn credit under Leadership in Energy and Environmental Design (LEED®) certification for use of ASHRAE's Advanced Energy Design Guide for Small Office Buildings. The small office design guide clearly meets the overall goal of LEED® in that it accelerates the development and implementation of green building practices.

Input into ASHRAE's proposed Guideline 29P, Guideline for Risk Management of Public Health and Safety in Buildings, will be sought at a forum at the Society's 2006 Winter Meeting, Jan. 21-25, Chicago."What Guidance Should ASHRAE Provide for Reducing Multi-Hazard Vulnerability" will be held from 9-9:50 a.m. Sunday, Jan. 22. The proposed guideline will contain recommendations

(Continued on page 3)

### Inside This Issue:

	Page
October Meeting Minutes	2
Region VIII CRC Cancun Update	3
Northwest Section Update	4
Webmaster Report	4
E-Scrap Recycling Program	5
Membership Promotion	5
Student Activities	5
Editor's Note	6
ASHRAE Std. 62.1 User's Manual	6
ASHRAE Sustainability Website	7
ASHRAE Winter Meeting Chicago	7
Future Meetings	8
Officer and Committee Chair list	8
November Meeting RSVP Form	9

## November Chapter Minutes

Submitted by Kimberly Koch, Secretary

### Board Meeting of November 2, 2005

#### Officers and Board Members Present

Chance Hollingsworth, President  
 John Hodoway, VP, Programs Chair, Technology Chair  
 Steve Titus, Treasurer  
 Kim Koch, Secretary  
 Rick Sellers, CRC Delegate, Honors & Awards Chair  
 John Carter, CRC Alternate, Research Promotion Chair  
 Alan Hope, BOG  
 Terry Granderson, BOG  
 John Oliver, BOG

#### Committee Chairs Present

Tracy Hayes, Historian  
 James Pansiuk, Social Chair  
 Ashley Roach, Reception Chair  
 Bill Simpson, Webmaster  
 Chris Ahne, Newsletter Editor

#### Meeting Minutes

##### Old Business

President Chance Hollingsworth called the meeting to order at 10:34 AM at the Whole Hog Café.

President Chance Hollingsworth reminded all present to contribute for Full Circle and Extended Full Circle. He commented the contributions could be made on-line.

President Chance Hollingsworth presented the comments from the Auditing Committee. All documents were in proper order. There were some suggested changes to the chapter by-laws. Chance was to further investigate these changes and the necessary steps to implement the changes.

##### New Business

President Chance Hollingsworth forwarded applications that had incomplete information to James Dayer.

The "Member Get a Member" promotion was discussed. It was determined we would have to wait for the next membership report to identify a winner.

President Chance Hollingsworth presented the brochure for the Strategic Plan for Research. He reported that we had been requested to review it and provide input.

President Chance Hollingsworth reminded everyone of the New Faces of Engineering applications. Requirements are for the applicant to be an ASHRAE member and under the age of 30. The winners will receive acknowledgement in ASHRAE publications and USA Today. Several possible nominees were discussed.

President Chance Hollingsworth presented the idea of a joint meeting with the Arkansas Department of Education to review the Arkansas School Facilities Manual. This is a possible all day continuing education seminar. Terry Granderson reported he would keep the board informed as the manual was finalized. Expected possible dates would be in either late spring or early fall.

President Chance Hollingsworth announced that the required points for a Chapter Service Award had been reduced from 15 to 12.

President Chance Hollingsworth reminded everyone to update their PAOE points at ASHRAE on-line.

Chapter Technology Transfer Chair John Hodoway reported the program schedule for the year would be complete in the next two weeks. The program for the December meeting has not been set yet. The technical session will be a report on Government Affairs.

Treasurer Steve Titus reported the tax return was complete and would be mailed on 11/3/05

Treasurer Steve Titus suggested the annual chapter contribution to ASHRAE research be given. There are sufficient funds for the contribution at this time. John Carter moved the contribution be made, second by Rick Sellers. The motion passed.

Treasurer Steve Titus presented the monthly budget report for approval. John Hodoway moved the budget be approved, second by Kim Koch. The motion passed.

Secretary Kim Koch presented the October Meeting Minutes for approval. Tracy Hayes noted the following corrections: the awards banner had not been updated yet and her name had been misspelled. John Carter moved to approve the minutes noting these corrections, second by Chris Ahne. The motion passed.

Historian Tracy Hayes reported that the banner has not been updated yet, but she has found someone to update it for the chapter.

Research Promotion Chair John Carter reported that Research Promotion awards would be presented at the meeting today.

Newsletter Editor Chris Ahne reported the next deadline would be Monday, November 28th. He requested articles from all chairs.

Webmaster Bill Simpson requested any suggestions or updates to the website be sent to him.

Social Chair James Pansiuk reported on Fall Golf tournament. Other possible social events were discussed at length.

The meeting was adjourned at 11:23.

### Membership Meeting of November 2, 2005

#### Members Present

59 Members, 8 Guests including 2 students and 1 student advisor

#### Meeting Minutes

Chance Hollingsworth called the meeting to order at 11:32 at the Whole Hog Café.

Research Promotion Chair John Carter reviewed the research plan for ASHRAE and outlined what research dollars will be allocated for. The allotments are as follows:

Indoor Air Quality Comfort and Health	15%
Design Tools	15%
Commissioning and O&M Tools	15%
Energy Conservation	15%
Environmentally Safe Materials (CFC, etc...)	10%
Emerging Technology and Advanced Concepts	10%
Fire and Safety	5%
Refrigerant Systems	10%

(Continued on page 3)

## Region VIII CRC - Cancun

Submitted by Wade Wetzler, Promotions Chair

Hello everyone,

It's time to start thinking about the upcoming ASHRAE Region VIII CRC in Cancun, Mexico. I've done some research and found the following:

The hotel is scheduled to re-open December 15th, so it apparently had some damage from the hurricane. To book a room you'll need to go to [www.fiestamericana.com](http://www.fiestamericana.com), and then to Cancun, and Fiesta Americana Condesa. Under 'Online Reservations' pick your days (CRC is officially April 27-29) and under 'Group Code' enter G9K6B@FCC. This will get you the ASHRAE rate of \$155 per night. There is only one room type with a king bed, so if you want two beds you will have to try 1-800-FIESTA-ONE. I would recommend going on Wednesday and returning Sunday if possible, since you will have about 5 or 6 hours of flight time and a customs check each way, plus that's more beach time too.

As far as an airline flight, the best rate I've found is with Continental at \$422 w/tax, depart 9:40am - 2:10pm, return 11:00am - 3:50pm. You might want to wait to get the airline tickets though, since fuel prices are currently going down.



Host Hotel:  
Fiesta Americana  
Condesa Cancun  
Address:  
Blvd. Kukulcan Km 16.5  
Zona Hotelera, 77500  
Cancun, Quintana Roo

Phone for Reservations:  
Calling From Mexico 01 500 504 5000  
Calling From U.S.A. 1 800 343 7821 or  
1 800 FIESTA ONE

Reservations by Internet:  
Web page is [www.fiestamericana.com](http://www.fiestamericana.com) and please  
follow the steps to reserve by phone and internet  
mention the ASHRAE/JUNTA AMERICANA SOCIETY  
convention to get special rates.  
Group Code: G9K6B@FCC

**APRIL 27, 28 & 29, 2006**

## President's Message

(Continued from page 1)

for management of the risk of extraordinary incidents in buildings, including fire, seismic events, chemical and biological releases, blast and other extraordinary hazards. It will address aspects of building performance that affect occupant health and safety, including egress, chemical, biological and radiological protection, fire protection, smoke removal, filtration, air quality, and building envelope.

I hope to see you all at our December Chapter meetings, Happy Holiday's

## Chapter Minutes

(Continued from page 2)

Food Processing and Preservation 5%

John Carter then presented Research Promotion Awards to local contributors. A list of these contributors was included in the November newsletter.

President Chance Hollingsworth presented the motion to contribute \$10,000 from the chapter to ASHRAE research. Tracy Hayes moved the contribution be approved, second by Ed Riddick. The motion passed.

Social Chair James Panasiuk reported on the success of the fall golf tournament. There were a total of 21 teams and \$6600 was raised for research promotion.

Chapter Technology Transfer Chair John Hodoway introduced Mike Flaherty with tekWorx to give the program titled, "Improved Performance of CHW Plants using Adaptive Control & Variable Primary Flow."

Mike began his presentation with an introduction to Adaptive

Control. Adaptive control is a strategy to meet CHW demand at the lowest kW per ton. He explained that adaptive algorithms based on real-world relationship of variables that affect operation and efficiency are used in adaptive control. These algorithms continuously use on-line signal values for automatic operational adjustments to accommodate changing conditions.

Mike described the history of chilled water distribution flow. Mike explained that prior to 1970 constant volume systems were typical. In the mid 70's, primary-secondary systems became more prevalent. Variable Primary Pumping began to be installed in the mid 90's and there are hundreds of systems in operation today.

Mike finished with a review of benefits of retrofitting existing CHW plants to Variable Primary Flow. Benefits include: increased capacity in existing plants, existing equipment may be reused instead of purchasing more, major construction and logistical hassle may be avoided and the plant can operate at a lower kW per ton.

President Chance Hollingsworth thanked Mike for presenting to the Arkansas Chapter and dismissed the meeting.



Research Promotion Chair, John Carter presenting awards to the Arkansas ASHRAE Chapter members that contributed money to ASHRAE Research. Helping recognize those members are President, Chance Hollingsworth, and past RP Chair, Rick Sellers. - Photo by Wade Wetzler

If you or someone you know isn't receiving the electronic version of the **Razorback Report** and would like to, please send an email to [cahne@trane.com](mailto:cahne@trane.com)

## NW Section Update

*Submitted by Shawn Wilson - NW Section Chair*

November 3, 2005, thirty-four ASHRAE members and five guests met at AQ in Springdale. The theme of the evening was research promotion and to that end, those who had donated to the 2004-2005 research drive were recognized. John Hodoway of the Cromwell Firm introduced Dan Petersen of Industrial Heater as our speaker. Dan presented "Controlling Variable Flow Primary Chilled Water Systems". Thanks to John and Dan for providing our program.

Prior to discussing our December meeting, I would like to thank everyone for their continued attendance, interest, and support. The fact is that our attendance has become consistently large enough that it appears we have outgrown our traditional meeting room at AQ in Springdale. Many of you have expressed a desire for a change in venue (and in menu). Over the past few weeks, I have inquired about different meeting locations with these three goals in mind:

- The new meeting location should have a room that is better suited to our program presentation.
- The new location should have better access to interstate 540.
- The new location should not result in a dramatic increase in the cost of our meetings.

Meeting all three of these criteria has proven to be a difficult task. I invite any of you with suggestions to contact me by email ([swilson@powersar.com](mailto:swilson@powersar.com)) or phone (479.263.3279).

Our December meeting will once again be held at AQ in Springdale on Thursday evening December 1st. Please note that we will be in the north meeting room (we typically meet in the south meeting room). Tom Hanlon will be presenting our program "NEBB Test, Balance, and Commissioning: An In-depth Look.". Look for your Evite for further details and make plans to join us.

## Webmaster Report

*Submitted by Bill Simpson - Membership Promotion*

Check out our website: [www.arkasasashrae.org](http://www.arkasasashrae.org). We are looking for ways to improve our chapter's webpage. What would make the website more interesting and useful to you? Please send us your feedback.

## ADEQ Sponsoring Recycling of E-Scrap

Arkansas consumers will have a chance to rid themselves of broken or outmoded computers, monitors, cell phones and other forms of electronic waste, protect the environment and do it all at no cost to themselves, thanks to a pilot program that will begin in the next few days.

UNICOR and the Arkansas Department of Environmental Quality are announcing "Project Green-Fed," an e-scrap recycling program for all Arkansas residents that will be provided at zero-cost to the consumer.

"Project Green-Fed" is a simple, safe and convenient one-year pilot project that will provide a cost-effective, environmentally sound e-scrap recycling program covering the entire state. The program meets the federal Environmental Protection Agency guidelines for material management.

Private residents who want to recycle their obsolete computer equipment may contact UNICOR, which will ship residents a box, packing material and a return label at no expense.

After the electronic equipment is packed, residents should call their local Federal Express office for a pick-up from their homes - also at no charge. Federal Express will deliver the packed material to UNICOR, who will recycle it properly in their certified recycling facility.

UNICOR and ADEQ are seeking additional partners for "Project Green-Fed" so that they can expand services. Based on the results of the "Project Green-Fed" pilot, UNICOR plans to offer this service nationwide.

These items will be accepted for disposal: computers, laptops, cell phones, peripherals, monitors, printers, fax machines and power supplies.

The packages will be shipped to Texarkana, where parts will be salvaged and used again. The National Safety Council estimates that within the next five years, more than 250 million computers will become obsolete and will need to be disposed of properly. Land-filling and discarding this equipment improperly is harmful to the environment, and many states do not allow electronics in landfills. Electronic products often contain hazardous and toxic materials, such as lead, chromium, nickel and zinc, which pose environmental risks when disposed of improperly. Beginning in 2008, electronics will be banned from Arkansas landfills.

For more information, call the ADEQ helpline at 501-682-0923 or the recycling division at 501-682-0814. Information on ordering boxes is available at this web site: [http://www.unicor.gov/recycling/greenfed/forms/form\\_recycling\\_ar.cfm](http://www.unicor.gov/recycling/greenfed/forms/form_recycling_ar.cfm).

## Membership Promotion

*Submitted by James Dayer - Membership Promotion Chair*

We would like to welcome our newest member Mr. Tobias Porta from here in Little Rock. We look forward to meeting you at our December meeting. We are still working on our chapter delinquency campaign. We will be doing follow-ups on calls made earlier in the year. As always, I will have applications for anyone interested in membership at the next meeting. Please feel free to contact me with any questions or concerns you might have.

## Student Activities

*Submitted by Drew Harrison - Student Activities Chair*

Student Activities had a great month for November. On November 8th, Sam Browning, Jason Brannen, and Drew Harrison went to the University of Arkansas and spoke to the Mechanical Engineering HVAC Design Class. Items were discussed about the HVAC Industry and how modern day Engineering Firms use computers to calculate load conditions. A demonstration was also given.

More Student Activities are planned for December including a first time visit with NTI in Springdale about possibly starting an Student ASHRAE Chapter. More information to come next month.

**Check us out on the internet at [www.arkansasashrae.org](http://www.arkansasashrae.org)!**

## Editor's Note

Submitted by Chris Ahne - Newsletter Editor

I have included a copy of the Technology Council Newsletter, Members First! as an attachment to our newsletter. In the Tech Council newsletter, you will find the latest information from the various committees which include Standards, Technical Activities, Research, Environmental Health, and Refrigeration.

I appreciate the positive feedback that I have received regarding the Razorback Report. One of my main objectives is to reduce the number of hardcopy mailings so that we can reduce printing and postage costs. At the beginning of the year we were mailing over 60 copies of the newsletter. We are currently mailing the newsletter to 34 chapter members and emailing the newsletter to 298 chapter and regional members.

If you have been involved in a project and would like to showcase it in the Razorback Report, please feel free to contact me. I will be happy to assist you with gathering content for publication in the newsletter.

Because this newsletter is aimed at informing our valued members, I am always open to new ideas or suggestions. Your comments will be greatly appreciated. You can reach me by email at [cahne@trane.com](mailto:cahne@trane.com).

## Welcome to our New Member!

Toby Porta Little Rock

## Is Your Biographical Information up-to-date with Society?

We are continuously trying to keep our membership data as current as possible. Please take a minute to make sure your contact information is accurate and up to date. You can navigate to the Biographical Record System through the membership section on ASHRAE's website, [www.ashrae.org](http://www.ashrae.org), or the following URL: <http://xp20.ashrae.org/bio/>

## 62.1 Manual to Help Users

ASHRAE Insights

Oct/2005 Vol 20/Issue 10

A new user's manual provides users with a better understanding of the design, installation and operation requirements in ASHRAE's ventilation standard.

The Standard 62.1 User's Manual explains the requirements of ANSI/ASHRAE Standard 62.1-2004, Ventilation for Acceptable Indoor Air Quality, and contains numerous examples of their application in a question-and-answer format.

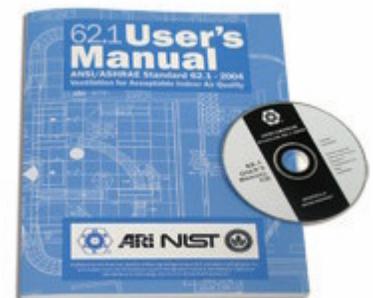
The manual is scheduled to be available in October.

"Because the standard is written in code-intended language, such material could not be included in the standard itself, so the manual helps users better understand the intent and apply it to their work," said Dennis Stanke, chair of the Standard 62.1 committee. "It helps users understand what Standard 62.1 requires and how those requirements can be met. It's a document that designers have needed for many years and will find useful for many years to come."

The manual includes a CD containing a spreadsheet to assist in the standard's new ventilation rate procedure calculations.

The manual was developed through ASHRAE research and partially funded by the National Institute of Standards and Technology, the Air-Conditioning and Refrigeration Institute and the U.S. Green Building Council.

The cost of the Standard 62.1 User's Manual is \$55 (\$44, ASHRAE members). To order, contact ASHRAE Customer Service at 1-800-527-4723 (United States and Canada) or 404-636-8400 (worldwide); fax 404-321-5478; by mail at 1791 Tullie Circle NE, Atlanta, GA 30329; or visit the bookstore at [www.ashrae.org](http://www.ashrae.org).





Guest speaker Mike Flaherty presenting the meeting topic "Improved Performance of CHW Plants using Adaptive Control & Variable Primary Flow." - Photo by Wade Wetzler

## ASHRAE Launches Engineering for Sustainability Effort

ASHRAE, emphasizing its role as "the engineering engine that drives sustainability," has introduced a new logo, theme - Engineering for Sustainability, and Website, [www.engineeringforsustainability.org](http://www.engineeringforsustainability.org). These will be used to identify ASHRAE products and services related to sustainability. To learn more:

Visit [www.engineeringforsustainability.org](http://www.engineeringforsustainability.org) for resources and information.



## ASHRAE Winter Meeting—Chicago

Plan to attend the ASHRAE Winter Meeting and AHR Expo, January 21-25, 2006. The Winter Meeting including the technical program and committee meetings will be held at the Palmer House Hilton Hotel. The AHR Exposition will be at McCormick Place, January 23-25.

The Technical Program begins Sunday morning, January 22 at 8am and will conclude on Wednesday, January 25 at noon. All of the program will be held in the Palmer House Hilton.

For registration and hotel information you can go to: [www.ashrae.org/Chicago](http://www.ashrae.org/Chicago).

Please see the Region VIII Dinner Announcement in the attachments for RSVP information.



## Future ASHRAE Meetings:

**2006 ASHRAE Winter Meeting**  
January 21 - 25  
Chicago, IL

**Region VII & VIII Dinner**  
Monday January 23  
Chicago, IL  
(See insert for details)

**2006 Region VIII CRC**  
April 27-30  
Cancun, Mexico

**2006 ASHRAE Summer Meeting**  
June 24 - 28  
Quebec, PQ

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## 2005-2006 Chapter Officers

<u>President</u>	Chance Hollingsworth	501.374.5420	chollingsworth@powersofarkansas.com
<u>Vice-Pres.</u>	John Hodoway	501.372.2900	john.hodoway@mail.ashrae.org
<u>Treasurer</u>	Steve Titus	501.375.1181	sctitus@aristotle.net
<u>Secretary</u>	Kim Koch	501.666.6776	KKoch@tmecorp.com

## Board of Governors

Terry Granderson	501-661-2642	tgranderson@arkedu.k12.ar.us
Alan Hope	501-374-5420	ahope@powersofarkansas.com
John Oliver	501-280-0404	joliver@airetechcorp.com
Rick Sellers (CRC Delegate)	501-374-3731	rsellers@pettitinc.com
John Carter (CRC Alternate)	501-666-5463	john@jcarterco.com

## Committee Chairs

Membership	James Dayer	jdayer@fluidsolutionsinc.com
Student Activities	Drew Harrison	dharrison@trane.com
Programs	John Hodoway	john.hodoway@mail.ashrae.org
Historian	Tracy Hayes	hayes.tracy@sbcglobal.net
Refrigeration	Miguel Purdy	mlpurdy@vcaw.com
Research	John Carter	john@jcarterco.com
Honors & Awards	Rick Sellers	rsellers@pettitinc.com
TEGA	John Hodoway	john.hodoway@mail.ashrae.org
Newsletter	Chris Ahne	cahne@trane.com
NW Section	Shawn Wilson	swilson@powersar.com
Social	James Panasiuk	jpanasiuk@pettitinc.com
Reception	Ashley Roach	Ashley.Roach@carrier.utc.com
Webmaster	Bill Simpson	wsimpson@trane.com



## THE RAZORBACK REPORT

Arkansas Chapter of ASHRAE  
P.O. Box 180  
Little Rock, AR 72203



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

# Arkansas Chapter Meeting RSVP Form

ROUTING

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

Phone #: \_\_\_\_\_ Fax #: \_\_\_\_\_

Signed: \_\_\_\_\_

For reservations to the Central Arkansas Chapter meeting send this form by **Thursday, December 1st** to **John Hodoway** : john.hodoway@mail.ashrae.org or via **FAX** at 501-372-0482.

For reservations to the Northwest Arkansas Chapter meeting send this form by **Wednesday, November 30th** to **Shawn Wilson** : swilson@powersar.com or via **FAX** at 501-370-9298.

MEMBER NAME (PLEASE PRINT)	CENTRAL December 7 <sup>th</sup>	NW ARK December 1 <sup>st</sup>	EATING (Y or N)

NOTES: Please fax this form to the name and fax number as referenced above  
 The meal is no cost to student members, however an RSVP is necessary.  
 All "no shows" will be responsible for the cost of their meal.  
**In order to provide you with the best service for your Chapter's money, it is necessary to RSVP for each meeting.**

**“Electrical Arc Flash Protection”**

Our December program will be on Electrical Arc Flash Protection.

Regulations that come into effect in early 2006 will affect design, construction and maintenance activities. That makes this a timely subject. Invite an electrical engineer to come with you, this affects them, too.

Our presenter will be John Clayborn with Trane Arkansas.

Thanks to our meeting sponsor: Trane Arkansas  
 1501 Westpark Drive, Suite 9  
 Little Rock, AR 72204  
 501.661.0621

# Grillroom Chophouse

&  
Wine Bar

## Region VII & VIII Dinner Monday January 23

33 West Monroe

1 Block from Palmer House

**Region VII & VIII  
Combined Regional Dinner**

**Monday Night**

Starting with Cash Bar

**6:00 PM to 8:30 PM**



**RSVP to (Region VIII)**

**Bob Gleeson**

**Assistant Regional Chair**

<mailto:bgleeson@alamocontrols.com>

**(210) 658-0900**

**Fax (210) 658-1888**

**RSVP to (Region VII)**

**Ken Peet**

**Assistant Regional Chair**

<mailto:kpeet@lse-engineering.com>

**(502) 548-0321**

**Fax (502) 584-8934**

**Reservations are required**

**Payment in advance or at**

**Door - By Cash or Check**

**No Individual Credit Cards**

### **Platter Style Hors D'oeuvres**

Mini Fresh Maryland Lump Crab Cakes

Crispy Calamari

Mini Ham and Gruyere Sandwiches

### **The Classic Caesar Salad**

#### **Entrée Choice of:**

#### **London Broil (\$58.00)**

Thinly Sliced with Sautéed Mushrooms, Tarragon Butter  
and Crispy Potatoes

#### **Sautéed Norwegian Salmon (\$52.00)**

With Spinach, Lemon Butter, Oven Roasted Tomatoes  
Kalamata Olives and Toasted Pine Nuts

#### **Grilled Chicken Breast (\$47.00)**

With Grilled Asparagus, Sundried Tomatoes and Wild  
Mushroom Butter Sauce on a Bed of Crispy Rosemary  
Potatoes

#### **Fusilli Pasta (Vegetarian) (\$46.00)**

With Sun-dried Tomatoes, Sugar Snap Peas, Red Peppers,  
Zucchini, Pesto Butter Sauce & Parmesan Tuille

#### **Platter Style Dessert:**

#### **Samplings of the Chef's Favorites**

#### **Beverages:**

#### **Soft Drinks, Coffee and Iced Tea**

#### **All Inclusive Price:**

(Includes Tax & Tip)

Listed with each Entrees



# TECHNOLOGY COUNCIL

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# MEMBERS FIRST!

2005-06, Volume 2

## **TECH COUNCIL NEWS** *ASHRAE Technology is for ASHRAE Members. Members come first.*

This is the second of Tech Council's quarterly briefings. You will find information from all the committees that report to ASHRAE's Technology Council. Our goal is to make the work of the technical side of ASHRAE open to all ASHRAE members. Page 2 of this newsletter lists the questions we received from our first newsletter and our responses. *We ask that you look this over and give us feedback. Please direct any questions on any topic or feedback on this newsletter to Hugh McMillan, Vice-Chair, Tech Council at [hugh\\_mc@mail.ashrae.org](mailto:hugh_mc@mail.ashrae.org).*

## **STANDARDS NEWS**

How can you tell what is the latest version of any of Code-Intended continuous maintenance standards? Under the new policy of the Standards Committee, you will always know when these documents are updated. Since July 1, the code-intended standards under continuous maintenance have been on a three year re-publication schedule. The next fully published version of Standards 15, 34, 52.2, 62.1, 62.2, 90.1, 90.2 and 140 will occur in 2007. Next March, a supplement of all addenda approved since the 2004 versions were released will be published. These addenda will become effective with the supplement date of approval by the ASHRAE BOD and ANSI. This means you can expect something to be coming out on these standards every 18 months. We are striving to make the business of keeping up with code-intended standards more predictable and less costly for our Members and the public.

## **TECHNICAL ACTIVITIES NEWS**

TAC is considering a proposal to form a new Task Group (TG) that is concerned with all exergetic aspects of energy and power consumption of building comfort and service systems and equipment, assessment of their impact on the environment, and development of analysis techniques, methodologies and solutions for environmentally safer low-exergy buildings. Exergy is defined by ASHRAE as an expression for the loss of available energy due to the creation of entropy in irreversible systems or processes. The energy loss in a system or component is determined by multiplying the absolute temperature of the surroundings by the entropy increase. This TG will help pave a road for a more comprehensive set of scientific and technical actions in order to further develop a more environmentally safe building technology and new HVAC systems while the commitment of ASHRAE towards sustainability is facilitated.

## **RESEARCH ADMINISTRATION NEWS**

A color brochure summarizing ASHRAE's 2005-2010 Research Strategic Plan is now posted on the "Research" page of [ashrae.org](http://ashrae.org). The brochure details all five Opportunity themes, 28 goals associated with the five themes and a partial listing of potential project topics that may help address these goals. The strategic plan is primarily intended to help guide the 98 TCs within ASHRAE towards achieving broad and ambitious goals set by the Society as a whole for research. How well a particular topic supports the strategic plan will count towards forty-five percent of the review criteria used to evaluate all research topics proposed by the TCs. Find the Research Strategic Plan at: [http://www.ashrae.org/content/ASHRAE/ASHRAE/ArticleAltFormat/2005928112649\\_347.pdf](http://www.ashrae.org/content/ASHRAE/ASHRAE/ArticleAltFormat/2005928112649_347.pdf)

## **ENVIRONMENTAL HEALTH NEWS**

Planning for the Ventilation Workshop to review research that has been or is being conducted on the effect of ventilation rates on health in multiple types of indoor environments, including offices, schools, residences and day care is well underway. The purpose of the project will be to determine the current state of knowledge to develop priorities for additional research that may be needed.

## **REFRIGERATION NEWS**

REF has posted two documents to our website: "Tips on Hosting a Successful Refrigeration Focused ASHRAE Chapter Meeting" and "Training in Refrigeration". The first was written to provide chapter level people help on setting up a refrigeration focused chapter meeting that would draw more than 3 people by giving contacts at other organizations and a list of timely topics. The latter document is a continuously updated list of all North American based training programs on industrial (ammonia) refrigeration. REF intends to keep both up-to-date and promote their use at regional and local levels.

# **MEMBERS FIRST! FEEDBACK**

## **QUESTION 1**

CTTC has liaison assigned to each TC Section. Liaisons attend section breakfasts but are not respected. The purpose of CTTC is to strengthen the ties between the grassroots and technology side of ASHRAE.

## **RESPONSE**

The Technical Activities Committee (TAC) will work with TCs to insure that liaison relationship is respected. While time is limited at the section breakfasts, the TCs understand the importance of this liaison. In the interest of time, it would be helpful if the CTTC liaison could bring any information they wish to share in written form to distribute to the TC chairs.

## **QUESTION 2**

A significant proportion of ASHRAE members do not know how to join a TC.

## **RESPONSE**

There is a good discussion on how to join a technical committee on [ashrae.org](http://www.ashrae.org). It can be accessed at:

<http://www.ashrae.org/template/AssetDetail/assetid/23231>

## **QUESTION 3**

Research Promotion RVCs do not understand the process by which a research proposal becomes a project and how the results of the research are implemented. The result of this lack of knowledge is lack of focus in the Research Promotion campaign.

## **RESPONSE**

Certainly we want all members to understand how the ASHRAE research process works. An overview is reported here, but we strongly recommend that RVCs and other interested parties visit the [www.ashrae.org](http://www.ashrae.org) website. Choose the "Standards and Technology" link on the home page and scroll to "Research." *Within the research section, you will find the "Research Digest" along with several interesting references to all the research activities - past, present, and future. The Digest contains a complete flow chart that will elaborate on what we are reporting with this note.*

ASHRAE Technical Committees (TC) play the lead role in all research projects, whether generated within the TC, an Unsolicited Research Project (URP), or requested from an individual through his local Chapter and Region. If the research request comes from outside TC membership, and it falls within the Strategic Research Plan (also on the website), one or more TCs are asked to champion the work. There are 98 TCs organized into 10 Sections.

Key documents requiring RAC, Tech Council, and, in some cases, ASHRAE Board of Director approval are (1) the Research Topic Acceptance Request (RTAR); (2) the Work Statement prepared as a result of the approved RTAR in the Implementation Plan; (3) the Tentative Research Proposal (TRP) which leads to obtaining bids from contractors; and (4) the recommendation of contractor from a Project Evaluation Subcommittee (PES) appointed by the TC. Once the project is initiated with an entity, the TC has a Project Monitoring Subcommittee (PMS) that ensures the work remains on course toward the objectives, timely, and within the contracted costs. *Technology Transfer is achieved through publication in ASHRAE Handbooks, ASHRAE Standards, special publications, ASHRAE transactions and/or Research Bulletins.*

Very recently, our society has prepared and published a Strategic Research Plan that was prepared with input from the broad membership. This plan will be updated every five (5) years. A big factor in evaluating the merits of proposed research will be its fit in the Strategic Research Plan. The plan is organized into five (5) research opportunity themes: (1) Energy and Resources, (2) Indoor Environmental Quality, (3) Tools and Applications, (4) Equipment, Components and Materials, and (5) Education and Outreach. To understand some of the specific goals within these themes, we urge you to visit the research link at the [www.ashrae.org](http://www.ashrae.org).

You will find much more detailed information on how research projects are chosen and how they are implemented and used in the vastly improved research website. We urge all interested parties to take a look.