The Oil Capital Air

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

Volume XLVI, Issue 9 **Tulsa, Oklahoma** **March 2005**

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UPCOMING EVENTS

- *Chapter Meeting March 10, 2005 Marriott Southern Hills*
- *5:30 Tech Session Dehumidification*
- *6:00 Hospitality*
- *6:30 Dinner and ASHRAE Business*
- *7:00 Evening Program Surgical Air Distribution*
- *Board of Governors Meeting March 17, 2005 Power of Oklahoma*

March is Past Presidents Night

President's Message

By: Steve Johnson

Going once, twice, SOLD!! Such was the action during the second annual NEOK Research Promotion Auction held prior to the February meeting. I want to thank Brian Hamilton and his committee along with all the donors, bidders and other participants for their efforts in making this year exceed last years success. It seemed everyone had a good time and the Chapter raised over $1,500 for the night towards our Research Promotion goal for the year. Bidders took away many valuable items, some at bargain prices. Others were overwhelmed by their sweet tooth and took home some great pies and cookies. Brian and his committee are also beginning the spring RP fund drive ahead of CRC. Please respond promptly and generously to the call when it comes. If you don't receive a call, let Brian or I know. We can direct you to an appropriate contribution and even come pick up the check!! We are a FULL SERVICE Chapter.

Steve Johnson
Chapter President

February's presentation on the building of the Dome at the State Capitol was very interesting and educational. Thanks to John Jamison and Kevin Gray, both with Manhattan Construction for spending their evening sharing this experience with us. March Chapter and Tech meetings should be very informative as well. Dave Knebel with Aaon will present the tech session and Leon Kloostra with Titus will present the Chapter meeting. See Nancy Mack's program article on the following pages for details. We will also have available computer(s) before and

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Chapter Meeting

Thursday, March 10, 2005

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during the tech session and social hour for members to get online and update their company listings in the e-directory. Bill Hanlon has done a great job in building the framework for this tool. Each company has the opportunity to build their own "line sheet", we just need to get the ball rolling.

The nominating committee and incoming President, Joel Karstetter have just about completed filling positions for next years Officers, Board of Governors and committee chairs. The Chapter appreciates all those who have stepped forward to lead. If you have not yet been contacted and wish to volunteer your time and energy, please contact Joel. He will be glad to hear from you and will certainly find a position so that you can contribute to the welfare of the Chapter.

It's time to plan your trip to the CRC in San Antonio in April 2005. The Crown Plaza on the River Walk will host CRC meetings from April 14 to 16th. Book your rooms early due to the Festival that is going on in downtown San Antonio at that time. Online registration is now available and can be accessed via www.alamoashrae.org. An email flyer with link will also be distributed to aid in making reservations.

I look forward to seeing you March 10th at the Marriot Southern Hills.

Steve Johnson can be reached at 270-1414 or johnson.s@mcintoshservices.com

Chapter Technology Transfer

By: Nancy Mack

March Tech Session Preview

Our technical session speaker is Mr. Dave Knebel of Aaon. Mr. Knebel is a registered professional engineer and a long time ASHRAE member. He has served on several technical committees at society level and has been a favorite speaker at local chapter meetings. He will be discussing "Dehumidification."

March Meeting Preview

The main program speaker will be Mr. Leon Kloostra of Titus. Mr. Kloostra serves on the ASHRAE Technical Committee for Hospital Design and was one of the authors of the "HVAC Design Manual for Hospitals and Clinics".

The presentation will discuss Air Distribution in Critical Areas. The primary emphasis will center upon air distribution in hospital surgery and laboratory rooms. Last year, over 700,000 cases of O.R. staff infections were reported by the United States Department of Health. Many of these infections are due to air-born infections. Where do they come from? What are Squames? How is Staphylococcus infection involved with air distribution? What are the three different types of air distribution and which do we use in surgical rooms? How can we determine one type of air distribution from another – which is which? How large of a laminar air flow sterile field does ASHRAE recommend? Can openings or holes to mount lights and have gas connections be in this sterile field? What is ASHRAE doing about these design questions?

These are some of the question that Mr. Kloostra will address during his presentation.

John Jamison

Manhattan Construction

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February Meeting Review

The February meeting was nothing short of delightful. Many members brought their spouses or other special guests. The 2nd Annual Auction was a great success with over $1000 raised for ASHRAE research. Brian Hamilton served as auctioneer as many members battled over a variety of items including baked goods, sports outings, original artwork, and home décor items.

After the auction, we enjoyed an informative presentation by John Jamison of Manhattan Construction Company. John not only shared the interesting story of the Oklahoma State Capitol Dome Project, but also a good bit of Oklahoma History. The dome project was completed on November 16, 2002. The original design and construction of the Capitol incorporated the necessary foundations to support the dome even though the dome was not built at the time. Thanks to all of the members that supplied positive feedback to Mr. Jamison.

Nancy Mack can be reached at
491-6600 or
nmack@tulsacoxmail.com

History

By: Mike Thompson

This months article covers two topics, but they both have a definite connection with Northeastern Oklahoma Chapter of ASHRAE. It covers our chapter's **Nancy Mack** and **Powers of Oklahoma**.

Nancy Mack is the Tulsa Branch Manager for Powers of Oklahoma. Powers of Oklahoma is an Independent Field Office for Siemens Building Technologies. This means that the Tulsa office represents and is fully supported by Siemens, while still being privately owned. Paul Briscoe is the Owner and President of Powers of Oklahoma. Mr. Briscoe was Branch Manager for Powers Regulator and MCC Powers for fourteen years before purchasing a Landis & Gyr Powers distributorship in 1985 (which was later acquired by Siemens). Mr. Briscoe currently resides in Little Rock, Arkansas, but is no stranger to members of Tulsa ASHRAE as he has served at numerous capacities within the organization at local and society levels.

Nancy Mack is currently the Tulsa Branch Manager and a few of her major projects include: Hillcrest Medical Center for Women, Saint Francis Heart Hospital of Tulsa, Grace Fellowship Kids Center, Union Intermediate High School, Cushing Regional Hospital and Oklahoma Health Sciences Center Steam & Chilled Water Plant. Mrs. Mack holds a Bachelor of Science in Mechanical Engineering from Oklahoma Christian University. In the spring of 1999, she presented her senior project at an ASME (American Society of Mechanical Engineers) competition at the University of Arkansas. Her project had a strong emphasis in controls. A Powers employee, who approached her after witnessing her presentation, asked if she would be interested in interviewing for a position with Powers. Powers of Oklahoma hired her in May of 1999, as an account representative and as Nancy said, "the rest is history". Nancy said her first client was in Tulsa with Omni-2 and Mr. Will Priddy. He insisted that she join ASHRAE. "He said it was vital to my business" and "she said he was right". Mrs. Mack has served two terms as Membership Chair, two terms as Research chair, is currently the Chapter Technology Transfer Chair and is on the Board of Governors. Next year she will move into the Officers Chairs as Treasurer.

Powers of Oklahoma is an authorized distributor of Siemens Building Technologies. Powers was the first major company to successfully market the technology of Distributed Digital Control, which improves the accuracy, reliability and efficiency of computerized building control. Powers of Oklahoma provides full turnkey services, includ-

Rob Teis

Newsletter Photographer

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ing the design, engineering, sales, installation and follow-up service. The company also provides replacement parts, software updates, energy audits and control system training. The Powers of Oklahoma organization has offices in Tulsa and Oklahoma City and has served and supported the Oklahoma market with either branch offices or distributorships since the 1950's. With over seventy-five dedicated sales, design, engineering, installation, service and support professionals, the Powers organization is well equipped to provide outstanding customer service to their clients.

In addition to all of the involvement, support, dedication and personal time that Nancy Mack gives to the Northeastern Oklahoma's ASHRAE Chapter, her office offers their board room for the monthly chapter board meetings. Another **"Big Thank You"** goes to Nancy Mack and Powers of Oklahoma for all of their support to ASHRAE.

Mike Thompson can be reached at
270-1414 or
thompson.m@mcintoshservices.com

Kelly & Summer Coday

Editor's Corner

By: Joel Karstetter, President Elect

Get ready for 2005-2006. Steve Johnson and I attended the regional President Elect training in Dallas on February 25th and 26th. This training was very informative and provides a great foundation for preparing for the new year. I am presently filling the committee positions for next year and want to thank those people that have already committed to serve. I still have a few positions to fill so please be open when I call. ASHRAE is a great organization that benefits us all.

Joel Karstetter can be reached at
665-3974 or
jkarstetter@abscompanies.com

Membership Promotion

By: Michael Base

It is official, Duane Harman with Sparks, Scott Martin with Scott Martin P.E. Engineering, Don Clark with Efficiency Technologies, Jon Wilmore with Trane, and Susan Crenshaw with Trane are now members of ASHRAE. Please welcome these new members.

This month is the annual delinquency phone campaign. The phone campaign committee has been calling all of our delinquent members to encourage our members to pay their membership dues. If someone has contacted you, please pay your past dues as quickly as possible. Please contact me if you are unsure about whether you are current on your dues or not

Please contact me for additional information or applications.

Michael Base can be reached at
836-0271 or
lbce@swbell.net

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Student Activities

By: Scott Pollard

The spring semester is well under way now. For some it is the final semester of their hard studies and late nights, but for others it is still just getting started. Remind all students no matter where they are in the process to finish out the year strong, congratulate those who are almost finished, and encourage those who need help. For a reminder, the 2005 Student Competition project is available online from the student zone of www.ashrae.org. The deadline for submissions to our local chapter is May 9th.

Joel & Debra Karstetter

Will & Georgia Priddy

We still have been unable to locate a facility member at OSU-Tulsa that would be interested in helping establish a chapter there. If you have any contacts that you believe might be useful, please let me know. Student scholarships from our chapter are now available. Contact me if you have someone who would be a good candidate. The nominations will close on the 17th of March.

Scott Pollard can be reached at

250-5590 or scott.pollard@omni-2.com

Resource Promotion

By: Brian Hamilton

The Resource Promotion spring drive is under way. Committee members have been assigned chapter members to contact to solicit donations to ASHRAE Research. Please be receptive when they call. ASHRAE research is the foundation of our industry that we all benefit from. Thanks for your continued support.

Brian Hamilton can be reached at

(918) 664-9756 or

bhamilton@2boonesales.com

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February BOG Minutes

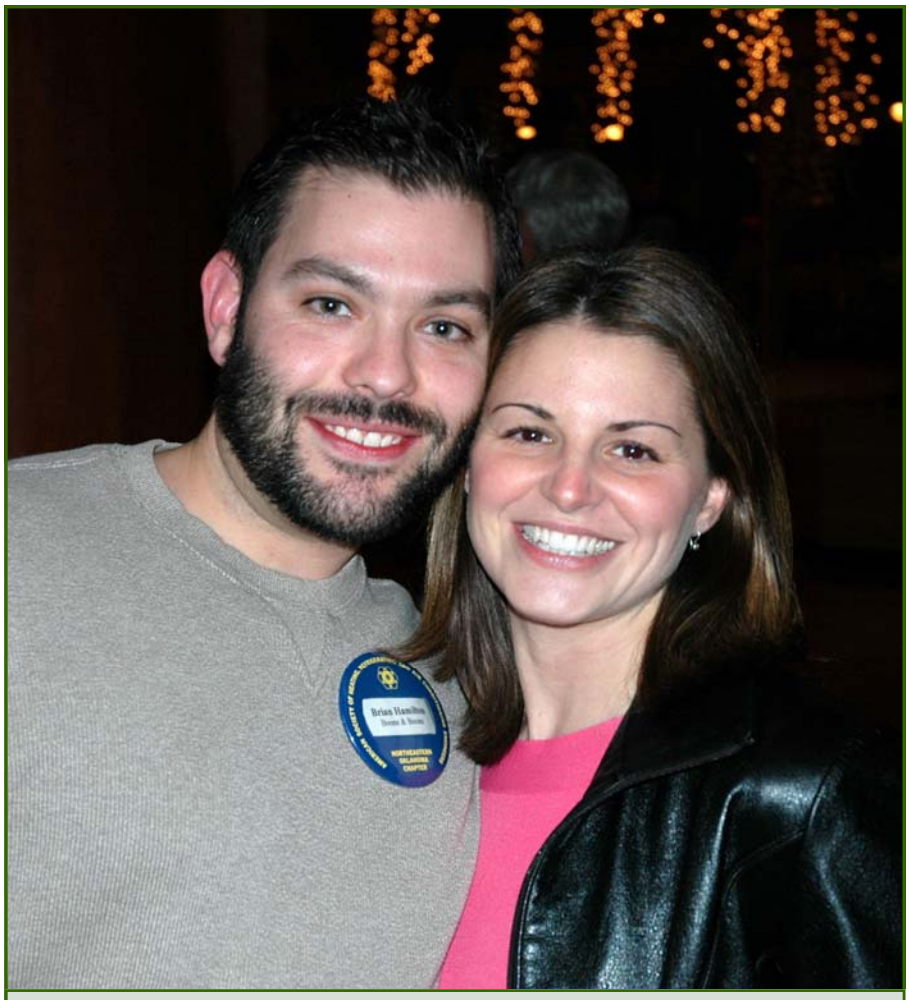
By: Dave Lam

Attendees: Steve Johnson, David King, Chuck Mayfield, Joel Karstetter, Mary Bowers, Mike Thompson, Brian Hamilton, Jim Waldroop, Darren Stephens,

Steve & Alicia Uerling

David Lam, Nancy Mack, Bill Hanlon, Paul Mannas, Paul Roberts, Pam Dunlap, Bob Allwein, Mike Beda, Steve Uerling, Scott Pollard, Dan Owens and Jack Tumilty.

The Board of Governors meeting was held on February 17, 2005 at Powers of Oklahoma. President Steve Johnson called the meeting to order at 4:30 p.m.



Brian Hamilton and Karri Keisinger

Minutes: The meeting minutes were distributed prior to the BOG meeting. Corrections were collected and will be used to amend the meeting minutes. Joel Karstetter moved to accept the amended meeting minutes and Mary Bowers seconded.

Treasurer: Pam Dunlap reported that the balance for Merrill Lynch is negative for the month because of a newly instituted annual fee. We lost $140 on meals last month because of no shows. Booster ticket sales totals are not up to date on Pam's report; she will amend that.

Newsletter: Joel Karstetter would like articles turned in by March 1, 2005.

Resource Promotion: Brian Hamilton handed out the most recent summary. He has not had a committee meeting yet to distribute the remainder of the invoices, but will do so February 23, 2005.

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AAON and MCAA have approved their Golden Circle donations this year and will probably donate at the March chapter meeting. He has collected $32,065 to date with $41,673 our goal. $1465 was earned from the auction last month.

Membership Promotion: Mike Base reported 5 new members this month. The delinquency report was not looking good and was handed out. The board selected names to aid in the collections.

CTT: Nancy Mack reported that April 13 would be the satellite broadcast with IAQ the topic. You can register on line at the ASHRE website. Cost of admission is $50 for members and $60 for guests. PAOE is 100 pts. below Par, but PAR will be achieved. Past presidents night is coming in March and formal invitations will be sent out to all past presidents.

Student Activities: Scott Pollard suggested we use a need vs. honor criteria to determine worthy scholarship candidates this year. Scott will develop a list of candidates.

Refrigeration: Chuck Mayfield reports that this year's plant tour will be at BAMA on April 7th at 6:00pm. Caterers will be brought in and will begin serving at 6:00pm so that we can get started with the tour at 6:30pm.

Directory: Bill Hanlon reported that there will be a tech session at next month's chapter meeting to educate those interested in how to navigate the online directory.

Jim Waldroop & Terry Hartnett

History: Mike Thompson reports that he is supposed to update the leadership display for CRC but no one has received any information in regards to this.

Attendance: Jim Waldroop reports that all is going well.

Reception: Darren Stephens reports that all is going well.

Website: Paul Mannas has submitted a bill to Pam for the FrontPage software purchase. He passed around a printout of the new home page on the website, it was well received.

Honors & Awards: No report

CRC Action: Bob Allwein distributed up to date PAOE point totals. We look to be in good shape.

Nominating Committee: Paul Roberts is trying to coordinate BOG with Joel's committee members so there will be no overlap. He does have a candidate in hand for next year's treasurer position and will be ready to read the ballot at the March chapter meeting.

Old Business: Steve Johnson reported that there are a lot of historical records at Airetech and they are trying to arrange

NEO ASHRAE Members

From: Chuck Mayfield, Refrigeration Chair

Date: March 3, 2005

Subject: April 7th, 2005 Plant Tour

Good news! The Bama Companies will be opening their doors on Thursday, April 7th, 2005 at 6:00 pm for the NEO ASHRAE Chapter to tour their Biscuit Plant.

> "It all started in 1927 when Ala'Bama' Marshall's homemade pies were so mouthwatering – and so well known – that people lined up on the sidewalk outside her soda fountain door, waiting for a single slice of that famous homemade pie."
>
> "In 1937, Bama's son Paul Marshall, and wife Lilah, moved to Tulsa, Oklahoma, and started a full-fledged pie-making business. In the decades that followed, the business evolved into an international wholesome bakery product corporation."

This will be an exciting tour, especially if you like Ammonia. The 134,000 sq. ft. Bama Biscuit Plant has six (6) Ammonia cooling systems ranging from 75 to 350 hp. They also have two "blast freezers" rated for -40 deg F, which quickly freeze food products. Even their shipping dock is cooled to 40 deg F.

The tour will last about an hour. We will be split into groups of 15 to 20 which will help the Bama Engineers educate us about their plant and systems. The plant is located 1 mile East of Hwy 75 on East 66th Street North. Please make sure to RSVP accordingly.

2005 REGION VIII CRC

April 14, 15 & 16, 2005 on the San Antonio Riverwalk.

Crown Plaza Riverwalk Hotel

111 East Pecan Street

San Antonio, TX 78205

Reservations: 210-354-2800 (Reference ASHRAE)

April 14 - Golf at the Quarry, Skeet at Olmos Basin, Welcome Party at the Buckhorn Saloon

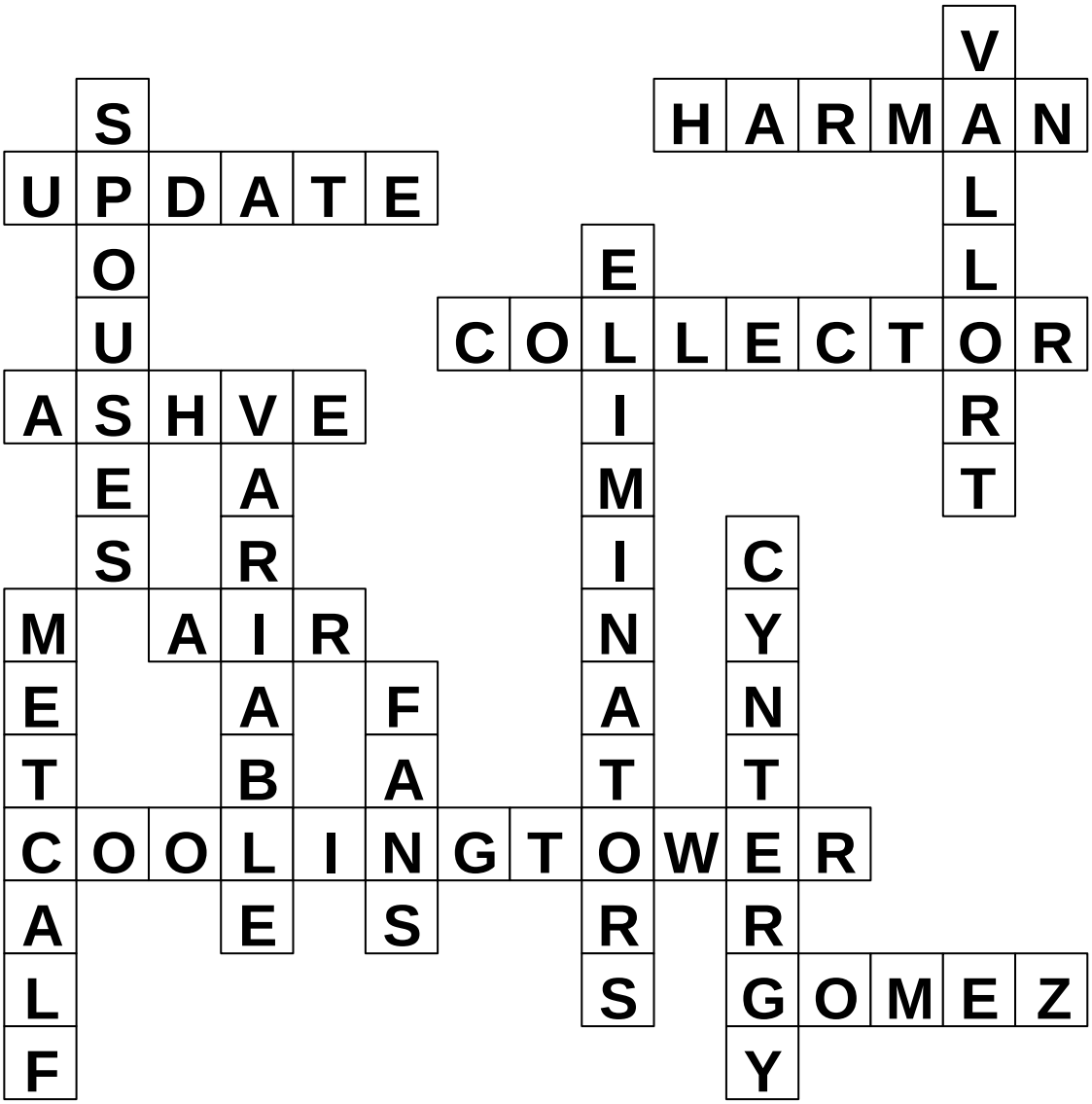
April 15 – Region VIII Business Meeting, Presidents Luncheon, Afternoon Technical Sessions & Special Friday Night Dinner Party at the Mexican Market

April 16 – Morning Workshops, Technical Sessions, Award Luncheon, General Business Session & CRC Executive Session

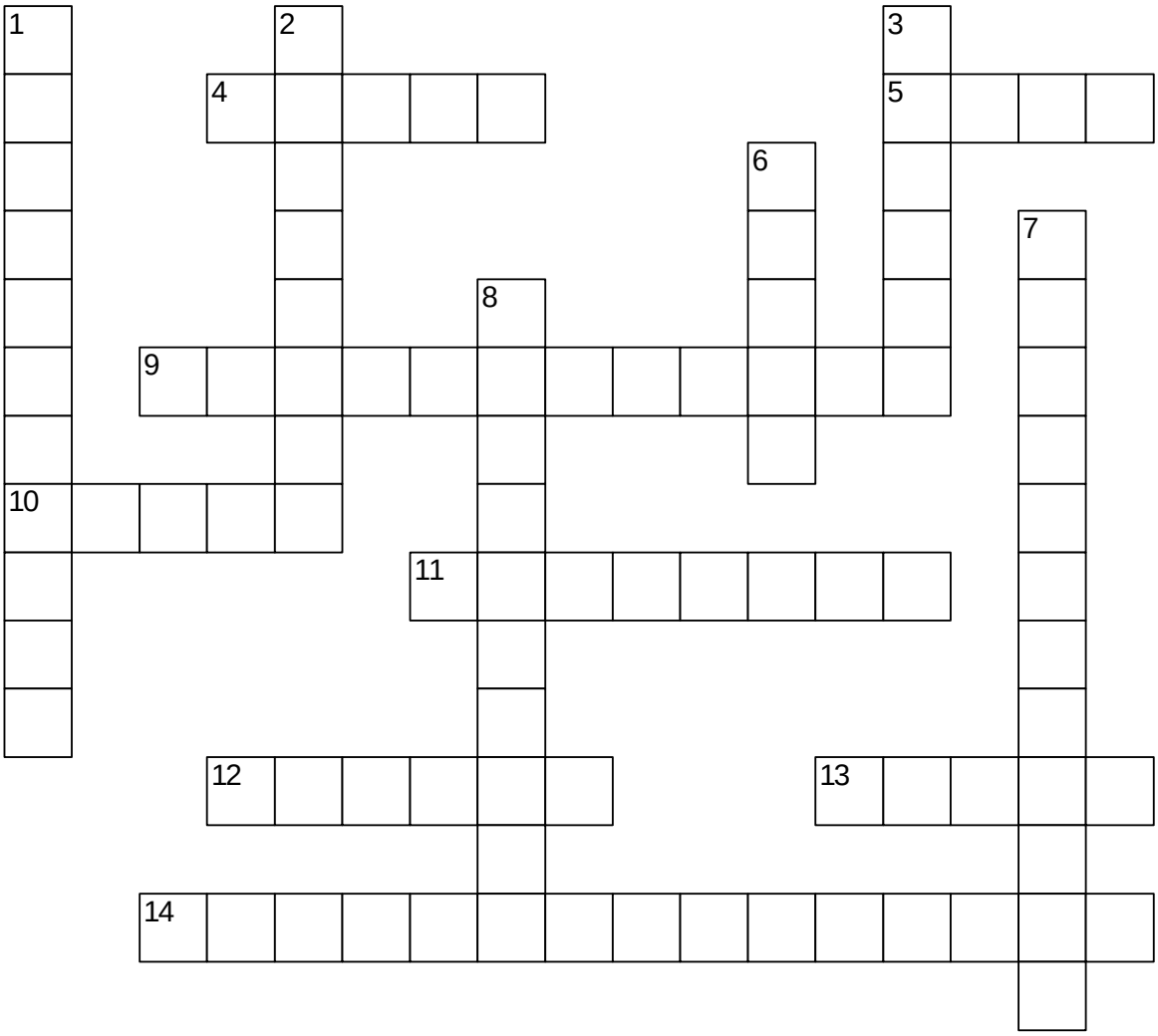
ALAMO ASHRAE

¡Viva! Fiesta

FEB PUZZLE SOLUTION



OIL CAPITAL AIR PUZZLE



www.CrosswordWeaver.com

Across

4 O/A and R/A form _____Air
5 Heating design temp Tulsa
9 Floating, 2-position,_____types of control action
10 New members Jon and Susan work for_____
11 What you will smell on the plant tour
12 Pictured with husband Jim Palmer
13 New member with Scott Martin Engineering
14 March program topic (2 words)

Down

1 RTD= Resistance_____Device
2 Heating design temp Honolulu (2 words)
3 March tech session speaker
6 New member with Sparks
7 Flow of outside air into a bldg
8 March=_____night

NEW MEMBER GALLERY

Monte Harnar

Greg Mitchell

Mike Guillen

Additional New Members

Pictures to follow next month

David Miller with Mechanical Reps., Inc.

Eric Gonzalez with TAC

Wayne Arnold with Anvil International

Justyn Jeske with MPW Engineering

Tim Sheehan with Cyntergy

Duane Harman with Sparks

Scott Martin with Scott Martin Engineering

Don Clark with Efficiency Technologies

Jon Wilmore with Trane

Susan Crenshaw with Trane

SATELLITE BROADCAST/WEBCAST: MOLD IN OUR BUILDING ENVIRONMENT
Wednesday, April 13, 2005
1:00 p.m. – 4:00 p.m. Eastern Standard Time

Concerns about mold in the building environment are no longer limited to just humid environments or North America. Mold is now a global concern for designers, contractors, building owners/operators and building occupants. Information on how to properly control moisture and humidity conditions in order to minimize mold will be presented in this broadcast/webcast sponsored by ASHRAE's Chapter Technology Transfer Committee (CTTC).

How to Participate

- Attend the Broadcast provided by NEO ASHRAE Chapter (location to be determined)
- You may host a Satellite Broadcast site for your colleagues
- You may register to view the Broadcast at a site
- Or, you may register to view the Webcast on your PC

About the Presenters

Presenters will explore prevention of mold in new construction, methods for monitoring mold in indoor environments, detection of biological contaminants, solutions to prevent and/or alleviate mold problems and the legal issues relating to mold contamination.

PDH Credits

Earn 2 PDHs or 2 AIA Learning Units for viewing the Broadcast at a Site or the Webcast from your office.

For More Information

Call Nancy Mack at 491-6600

2004/2005 Programs

Date	Technical Session	Speaker	Main Program	Speaker	Theme and Special Guests
9-Sep-04	Golf Tournament at Clary Fields Golf Course				
14-Oct-04	Applications of radiant heat in commercial and industrial applications	Scott Fleet; ReverberRay	Ethics and the Economics of Energy Conservation	William Coad, P.E. Coad Engineering Enterprises	Membership Night; Hugh McMillan, Region VIII DRC
11-Nov-04	**Fan Applications**	**Jack Peters; Cook Fans**	**Proper VFD Applications**	**Brent Fullerton; Cook Fans**	**Research Promotion Night**
9-Dec-04	NONE - Lunch Meeting		Construction HVAC Panel Discussion	Panel of Industry Representatives	Joint meeting with BOMA, MCA, ABC
13-Jan-05	Modulating compressors	AAON representative	IAQ Litigation	Edward Smith; Esquire	Refrigeration Night
28-Jan-05	NONE		Special Presidential Visit, in OKC	Ron Vallort, ASHRAE Society President	
10-Feb-05	Research Auction		Capital Dome Project		Research and Spouses Night
10-Mar-05	Dehumidification	Dave Knebel; AAON	Surgical Air Distribution	Leon Kloostra; Titus	Student Activities; Past Presidents;
7-Apr-05	NONE		Plant Tour Bama		Tour
12-May-05	Wireless Control Technology	Jeff Raimo, Siemens Building Technologies			Healthcare Facilities

The Oil Capital Air

Northeastern Oklahoma Chapter

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

Visit our website at

www.ashrae-neok.org

Chapter Volunteers

Officers:

		Voice	Fax
President	Steve Johnson	270-1414	270-1414
President-Elect	Joel Karstetter	665-3974	665-4219
Secretary	David Lam	747-5328	459-0997
Treasurer	Pam Dunlap	587-4747	587-8008

Board of Governors

Mary Bowers	665-6600	627-7004
Bill Hanlon	622-1500	835-9992
Ron Huntley	663-7883	663-7961
Nancy Mack	491-6600	491-6985
Steve Uerling	836-0271	836-0275

Committee Chairs

CRC Delegate	Bob Allwein	831-8383	831-8320

Committee Chairs (cont.)

Attendance	Jim Waldroop	250-5590	459-0997
Directory	Bill Hanlon	622-1500	835-9992
Historian	Mike Thompson	270-1414	270-1444
Honors & Awards	Gene L. Redford	622-0600	622-0618
Invocations	Paul Roberts	665-6600	627-7004
Membership	Michael Base	836-0271	836-0275
Newsletter	Joel Karstetter	665-3974	665-4219
Programs (Main)	Nancy Mack	877-6000	877-4000
Programs (Tech)	David King	582-0229	599-0665
Publicity	Mike Gulizio	455-1712	
Reception	Darren Stephens	622-4822	
Refrigeration	Chuck Mayfield	624-1005	624-1006
Resource Promotion	Brian Hamilton	664-9756	664-1675
Special Events	Jerry Beardslee	587-4747	587-8008
Student Activities	Scott Pollard	250-5590	459-0997
Technology Transfer	Nancy Mack	491-6600	491-6985
TEGA	David King	582-0229	599-0665
Webmaster	Paul Mannas	664-0312	665-3351

Calendar of Events

Important Dates	Meeting	Location
June 17, 2004	Board of Governors	Powers of Oklahoma
July 15, 2004	Board of Governors	Powers of Oklahoma
August 19, 2004	Board of Governors	Powers of Oklahoma
September 9, 2004	Chapter/Golf Tourney	Clary Fields Golf Club
September 16, 2004	Board of Governors	Powers of Oklahoma
October 14, 2004	Chapter	Marriott Southern Hills
October 14, 2004	Board of Governors	Marriott Southern Hills
November 11, 2004	Chapter	Marriott Southern Hills
November 18, 2004	Board of Governors	Powers of Oklahoma
December 9, 2004	Chapter	Marriott Southern Hills
December 16, 2004	Board of Governors	Powers of Oklahoma
January 13, 2005	Chapter	Marriott Southern Hills
January 20, 2005	Board of Governors	Powers of Oklahoma
February 5-9, 2005	ASHRAE Winter Meeting	Orlando, FL
February 10, 2005	Chapter	Marriott Southern Hills
February 17, 2005	Board of Governors	Powers of Oklahoma
March 10, 2005	Chapter	Marriott Southern Hills
March 17, 2005	Board of Governors	Powers of Oklahoma
April 7, 2005	Chapter	Plant Tour
April 14-16, 2005	CRC	San Antonio, TX
April 21, 2005	Board of Governors	Powers of Oklahoma
May 12, 2005	Chapter	Marriott Southern Hills

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