

MARCH MEETING

Central Arkansas

Date: Wednesday, March 7

Location: Camp Aldersgate

Cost: \$20

Schedule:

10:30a.m. Board Meeting

11:30a.m. Lunch / Technical Session

12:00-1:00p.m. Program

Northwest Arkansas

Date: Thursday, March 8

Location: AQ Chicken—Springdale

Cost: Free (lunch extra)

Schedule:

11:30a.m. Lunch

12:00-1:00p.m. Program

INSIDE THIS ISSUE

Chapter Meeting Calendar: Page 2
Chapter Meeting Minutes: Page 3
Committee Reports: Page 3-6
Officers and Committee Chairs: Page 7

THE PRESIDENT'S MESSAGE

By Bill Simpson

Spring is in the air—at least for now... If you're like me, the seasonably warm weather has you itching to get outside. Well Arkansas ASHRAE has your excuse. It's time to start practicing for the spring golf tournaments. Tony Demarco has arranged for us to play at Hurricane Creek in Bryant on Friday, May 4th and Sam Browning is planning the Northwest Arkansas tournament the following Friday, May 11th at Valley View in Farmington. These are always fun events at a bargain price with proceeds benefitting the very worthy cause of Research Promotion.

Speaking of Research Promotion, as we gear up for CRC in Tulsa next month, Steve Keen is making the annual push to reach our lofty chapter goal of \$50,000. The Arkansas Chapter has always been generous in reinvesting in our industry. Please strongly consider continuing that generosity by contributing to Research Promotion this year. There are many ways to make a donation, but one of the easiest is to add your donation when you renew your membership online. If that doesn't work for you, though, don't worry. Steve or one of the other chapter officers will be glad to pick up a check at your office.

Many of you took advantage of the opportunity to tour the One Capitol Mall building (aka MAC). This was a great showcase of a high-efficient central plant design. Clint Harper of ABA reported that the central plant upgrades resulted in a 17% reduction in electrical consumption and an 88% reduction in natural gas. Thanks to Airetech for sponsoring lunch, Chance Hollingsworth for arranging

speakers and all those who participated in the project who shared their insights with our group.

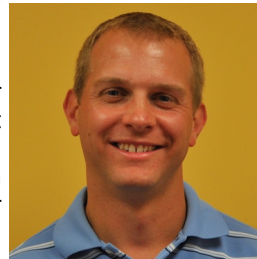
Phil Smith of Alerton will be presenting on energy dashboards at the regularly scheduled March monthly meetings. Look for more details in this newsletter and please RSVP via Anyvite.

We have a couple other important agenda items at this month's Little Rock meeting. In particular, we will be voting on proposed changes to our Chapter's Constitution and Bylaws. Those changes are prominently posted on our website for member review. If you have comments, please send them on ASAP. Also, we will also be voting on the 2012-13 Chapter Officers. If you missed it, the nominees are listed elsewhere in this newsletter.

Congratulations to four chapter members who took the initiative to become ASHRAE certified at the Winter Meeting in Chicago. Those members are Wei Guo (BEMP), Todd Kuhn (CPMP), Michael Sanders (CPMP) and myself (BEMP).

Don't forget Technology Awards are another great opportunity to get recognized for your hard work and intellectual prowess. Qualifying projects are those successful applications of innovation design which incorporate ASHRAE standards for effective energy management, indoor air quality and good mechanical design. Categories for consideration include commercial buildings, institutional buildings, healthcare facilities, industrial facilities or processes, public

(Continued on page 3)



MONTH	MEETING TOPIC	SPEAKER	SECTION	DATE	LOCATION	MEETING DESIGNATION
SEPT	Bio-renewable Fuels	Tim Gorman	Central	09.07.11	Camp Aldersgate	Sustainability
			NWA	09.08.11	AQ Chicken	
OCT	Public Service Commission	John Bethel	Central	10.12.11	Camp Aldersgate	TBA
	ASHE Energy Survey for Hospitals	Clark Reed	NWA	10.14.11	Washington Regional Medical Center	Joint Meeting with ASHE
NOV	UV-C for Controlling Mold in AHUs	Dean Saputa	Central	11.02.11	Camp Aldersgate	Indoor Air Quality / Membership Promotion
			NWA	11.03.11	AQ Chicken	
DEC	Sustaining ASHRAE Through Leadership	Ron Jarnagin	Central	12.07.11	Camp Aldersgate	Student Meeting
			NWA	12.08.11	AQ Chicken	
JAN	NEBB Educational & Training Outreach	Tom Hanlon	Central	01.04.12	Camp Aldersgate	Continuing Education
			NWA	01.05.12	AQ Chicken	
FEB	Basic Steam Engineering Principles	Jon Lye	Central	02.01.12	Camp Aldersgate	TBA
			NWA	02.02.12	AQ Chicken	
MAR	Energy Dashboards	Phil Smith	Central	03.07.12	Camp Aldersgate	TBA
			NWA	03.08.12	AQ Chicken	
APR	ASHRAE 62.1/90.1 Update	Hamid Habibi	Central	04.04.12	Camp Aldersgate	TBA
			NWA	04.05.12	AQ Chicken	
MAY	Past President's Night	N/A	Central	TBA	TBA	Past Presidents Recognition
			NWA	N/A	N/A	

ARKANSAS CHAPTER MEETING MINUTES

Board Meeting of February 1, 2012

Mark Mizell—Secretary

Members Present: Steve Keen (Research Promotion, Delegate), Russell Black (Board of Governors), Bill Goodman (Board of Governors), Bill Simpson (President, Alternate), Mike Fullerton (President-elect, CTTC Chair), Marlon Joiner (Treasurer), Mark Mizell (Secretary), Forrest Moseley (Student Activities Chair), Terry Jacks (Membership Promotion), Lee Greeson (Newsletter Editor), Mark Eley (Reception), Caleb Haynes (YEA Chair), James Dayer (Refrigeration Chair)

Call to Order: 10:30 a.m.

January meeting minutes approved by acclamation.

President's Report:

Bill Simpson:

- There is a new Society website. There is also a new PAOE points log-in location. An email with the link has been sent out.

- Registration information for the April 26-28 CRC in Tulsa will be emailed.

- We will publish Dr. Helmer's acceptance speech from the Winter Meeting.

- We will likely host CRC in 2014 in place of the Guadalajara Chapter. We need to find a chairperson for a planning committee.

President-elect/CTTC Report:

Mike Fullerton:

- We are above par on PAOE points.

- MAC tour (Feb. 23rd) form must be filled out for lunches to be reserved.

- DOAS webcast will be April 19th from noon to 3:00 at Harrison Energy Partners.

- Mike will look into planning an ASHRAE Learning Institute program

from March or May.

- Mike will attend Regional-level strategic planning session in Dallas (Feb. 10-11).

- Need ideas for Past Presidents' Night. People seemed to enjoy the Rep and the silent auction was successful last year. We may do those again this year.

- A tech award has been submitted for UALR's EIT Building.

Treasurer's Report:

Marlon Joiner:

- CRC funds need to be transferred from the main account to the CRC account.

Social Chair:

- \$500 was raised at the January poker tournament. Proceeds go to Research Promotion.

(Continued on page 4)



BUILDING HVAC, CONTROLS, & SERVICE

Little Rock: 501.374.5420
NW Arkansas: 479.927.9999
24-hour Toll-free: 877.274.7127

***Controls and Mechanical Service
for all of your HVAC equipment***

5440 Northshore Drive • North Little Rock, AR 72118

PRESIDENT'S MESSAGE

(Continued from page 1)

assembly facilities, residential buildings and alternative or renewable energy use. Projects should have been completed prior to September 1, 2011. Contact Mike Fullerton for an application or if you have questions. Applications are due in March.

Enjoy the weather while it lasts and I look forward to seeing you all at our meetings this month. ☺



TECHNOLOGY AWARDS

Michael Fullerton—CTTC Chair

Do you have a project that might qualify for a technology award? The technology awards are broken into 6 main categories. The categories are as follows: Commercial Buildings, Institutional Buildings, Health Care Facilities, Industrial Facilities, Public Assembly, and Residential. Submitting an award on behalf of one of your clients is a great way to gain publicity for you and the owner. If you have a project that you would like to submit, please contact either Tom Hanlon or Michael Fullerton at 501-666-6776. A copy of the application form is attached to this newsletter. Feel free to use me as a resource for filing the application. Let's make this year the best year for ASHRAE technology awards.

MEMBERSHIP PROMOTION

Terry Jacks—Chair

I'd like to welcome our newest members, **John Freeman** of Little Rock and **Shaun Penny** of Springdale. I applaud you for your interest in the HVAC&R field and look forward to seeing you at our March meeting!

We have a strong chapter, and additional members will help to make us even stronger. ASHRAE offers invaluable resources to design engineers, contractors, and owners alike, and everyone that attends meetings is encouraged to seek membership to aid in strengthening our chapter. As always, if you have any questions pertaining to membership, please contact me and I'll be happy to assist you.



March 12-13
San Diego

Several members of our Student Branches attended the February Chapter Meeting, and some were awarded scholarships.

MEETING MINUTES

(Continued from page 3)

Student Activities Report:

Forrest Moseley:

- Three scholarships will be issued today.
- E-week is February 19-25.
- Need judges from March 2nd State Science Fair.
- UAF is definitely interested in a plant tour of Loren Cook Company.

Membership Promotion Report:

Terry Jacks:

- There are 15 delinquencies. Renewal reminders will be sent out.
- There are 20 new student members, 4 new members, and 4 membership upgrades.
- Two members have been upgraded from associate to full member status.

Website:

Bill Simpson (for Robin Sipes):

- We'll need to update our logo and other branding information in accordance with Society's new guidelines. Chapter-specific information will be sent from Society soon.

Young Engineers in ASHRAE:

Caleb Haynes:

- There will be a paintball outing March 11.
- Caleb is measuring interest level of a possible flag football

challenge.

- YEA Leadership Weekend is March 30 – April 1 in San Diego. Cost is \$450 per YEA member.

Newsletter Report:

Lee Greeson

- Newsletter article deadline is February 24.

Historian:

Jake Skinner:

- Got pictures for the website.

Constitution and Bylaws Committee:

Russell Black:

- Proposed revision to the Constitution and Bylaws will be posted to the website for chapter members to review. I link will be emailed.

Adjourn: 11:28 a.m.

Chapter Meeting Minutes:

Open: 11:30 a.m.

- Bill Simpson shows off Dr. Helmer's E. K. Campell Award plaque.
- Terry Jacks introduces new members.
- Forrest Moseley issues scholarships.
- Rick Sellers announces the Nominating Committee's selections.
- Jerry Sossamon with Spirex Sarco presents on steam utilization and systems overview.

Adjourn: 12:50 p.m. ◊





ENGINEERED MECHANICAL EQUIPMENT, INC.
519 Vandalia Street P.O. Box 22275
Memphis, TN 38112 Memphis, TN 38122-0275

J. Kenneth Jack, P.E.
Chmn. Bd.

Phone 901 / 324-6610
Fax 901 / 324-6612
Mobile 901 / 488-1228
E-mail: emesales@bellsouth.net

TECH TIP: EQUIPMENT LOCATION

Michael Fullerton—CTTC Chair

The location of exhaust fans and air handling units can be critical for new buildings. Always make sure to verify what is above and below noise making equipment. Locating fans and air handling units above an office, conference room, or patient room can send unwanted radiated noise into the spaces below. Installing an insulated enclosure around the ductwork and penetrations to the equipment can help reduce this noise. For an existing building or shell space, walk the entire area and note any areas that might be of concern.



10350 Riverview Corporate Drive
North Little Rock, AR 72113
Phone: 501-663-8886 • Fax: 501-663-8738
www.fluidsolutionsinc.com

TECH TIP: COMMISSIONING DESIGN

Michael Fullerton—CTTC Chair

When laying out a VAV system for special rooms such as Tele/Data or Elevator Equipment Rooms, pay close attention to the details. In most cases these rooms do not need a heating coil. For hydraulic elevators, it may be necessary to add a heating coil to keep the fluid from getting too cold especially in parking decks. If these rooms only have a single supply grille, balancing dampers are not needed. For rooms with multiple supply grilles, install a balancing damper in the ductwork instead of the grille. The balancing dampers on the back of sidewall supply grilles have been known to vibrate closed over time and cause the room to overheat. Another design strategy might be to layout the ductwork with equal pressure drop for self-balancing.



**Harrison
Energy
Partners**

1501 Westpark Drive, Suite 9
Little Rock, Arkansas 72204

Phone: 501-661-0621
Toll Free: 800-505-0621
Fax: 501-661-9109
24-Hour Service Phone: 501-661-1058



TRANE
Commercial Air Conditioning Systems

SPRING GOLF OUTING

Tony DeMarco—Social Chair

Hello Everyone! It's golf time again. We are scheduled for May 4th @ Hurricane. Shotgun start @ 12:30. The ever so popular Christina Lecuyer will be joining us again this year. Get your teams together and don't forget to sponsor a hole. See you all on the course!



John Phillips, LEED® AP

Sales Engineer, HVAC Systems/Controls
Building Efficiency

10600 Colonel Glenn Rd, Suite 200, Little Rock, AR 72204 USA
Main 501 224 5580 Fax 501 224 4216
Cellular 501 681 1851 john.a.phillips@jci.com
www.johnsoncontrols.com

Woodbury-Beach Company

6329 Crystal Hill Rd

North Little Rock, Arkansas 72118

DAIN G. MATTHEY

dmatthey@woodburybeach.com

Phone: (501) 753-8323

FAX: (501) 753-8350

ACCEPTANCE SPEECH: PRESENTED AT WINTER MEETING

Wayne Helmer—E.K. Campbell Award Recipient

My HVAC education began at Ray Herrick Labs at Purdue as a graduate student under the guidance of Prof. Dave R Tree. After graduation I worked 24 years at Southern Illinois University -Carbondale teaching general Mechanical Engineering courses. One day my Chairman came up to me and said "I Would like you to put together a syllabus on HVAC." I said "What is HVAC? --I don't know anything about HVAC! I never had an HVAC course!" He was not deterred. He gave me Faye McQuiston's HVAC book and said "See what you can do." Several days later I brought the HVAC syllabus to him and said "Here you are!" As I turned to leave he said "Good! - now you can teach it next semester!!" Thus I began my HVAC career.

After teaching the course for a while, I found that many of my students remarked that this was the one course that put together Thermo, Fluids, and Heat Transfer in a real application course. I saw students really get excited about their specialty in Engineering! This was very rewarding! I soon become involved with the ST. LOUIS chapter of ASHRAE and was even a sponsor for the ASHRAE student chapter at SIU-C for a while.

After teaching 24 years at SIU-C, God brought us to Arkansas and Arkansas Tech University where I have been teaching for the last 13 years. In 2001 I was able to start an ASHRAE student chapter at ATU. And I would try to take as many students as I could to the Razorback ASHRAE chapter meetings in Little Rock. The ASHRAE members in Little Rock rolled out the red carpet for us and treated us like kings. And Luncheon Barbeque was not too bad either! As a result of those meetings my students have obtained thousands of dollars in ASHRAE scholarships, they have been treated as professionals by the Arkansas industry folks, and some of my students have even obtained jobs from those meetings.

ASHRAE, and in particular my ASHRAE colleagues in Little Rock have honored me with the E.K. Campbell award - for which I am extremely grateful and honored.

But now, I would like to turn that around a little. I would like to honor ASHRAE. Jesus rightly said "Give, and it will be given you." That is true. I have given a little to ASHRAE. But you people- the competent/caring/nurturing/supportive people of ASHRAE- have given back to me and my students much, much more than I could have begun to give to you. So..... let me honor you today!!! And say "Thanks" to you! YOU deserve IT!!!!

2011-2012 NOMINATING COMMITTEE REPORT

Rick Sellers—Chair

The 2011-2012 Nominating Committee consisting of Chris Ahne, Chance Hollingsworth, Kim Koch, Steve Keen, and myself have assembled the below slate of candidates for the Arkansas Chapter. These positions would be for Society year 2012-1013.

President - **Mike Fullerton**
President Elect - **Mark Mizell**
Treasurer - **Terry Jacks**
Secretary - **Forrest Moseley**

Board of Governors - **Bill Goodman,**
Jim Monk, and **Randy Moore.**

CRC Delegate - **Bill Simpson**
CRC Alternate - **Mike Fullerton**

ASHRAE CERTIFICATIONS

Lee Greeson—Editor

The following Arkansas Chapter Members earned ASHRAE certifications at the Winter Conference in Chicago:

Todd Kuhn, CPMP;
Michael Sanders, CPMP;
Bill Simpson, BEMP.

The following quote from Society President Ron Jarnagin highlights the importance of ASHRAE certifications:

"An ASHRAE certification benefits building owners, employers and individuals. Firms who employ ASHRAE-certified professionals are better able to promote their services, and individuals who are certified approach their responsibilities with greater confidence. ASHRAE certification helps professionals demonstrate that they have mastered a certain body of knowledge and can provide outstanding services in their area of expertise."

April 19, 2012/1:00 PM-4:00 PM EDT

**Dedicated Outdoor Air Systems:
A Path to Balancing Energy and IEQ**

www.ashrae.org/doaswebcast



FUTURE ASHRAE MEETINGS:

**2012 Region VIII Chapter
Regional Conference**
April 26-28
Tulsa, OK

2012 ASHRAE Annual Conference
June 23—27
San Antonio, TX

2013 ASHRAE Winter Conference
January 26—30
Dallas, TX

The Razorback Report is published monthly by the Arkansas Chapter of ASHRAE. Statements made in this publication are not expressions of the Society or of the chapter and may not be reproduced without special permission from the chapter.

2010-2011 CHAPTER OFFICERS

President	Bill Simpson	501.661.0621	wsimpson@trane.com
Vice-Pres.	Mike Fullerton	501.666.6776	mfullerton@tmecorp.com
Treasurer	Marlon Joiner	501.686.5606	joinerdanielm@uams.edu
Secretary	Mark Mizell	501.666.6776	mmizell@tmecorp.com

BOARD OF GOVERNORS

Russell Black	russell@airfiltersystems.com
Bill Goodman	goodengr@sbcglobal.net
Jim Pitts	jimpitts@att.net
Steve Keen (CRC Delegate)	skeen@powersar.com
Bill Simpson (CRC Alternate)	wsimpson@trane.com

COMMITTEE CHAIRS

Membership	Terry Jacks	tjacks@pettitinc.com
Student Activities	Forrest Moseley	forrest@airetechcorp.com
Programs	Mike Fullerton	mfullerton@tmecorp.com
Historian	Jake Skinner	jskinner@trane.com
Refrigeration	James Dayer	jdayer@fluidsolutions.com
Research Promotion	Steve Keen	skeen@powersar.com
Newsletter	Lee Greeson	razorback.report@gmail.com
NW Section	Jessica Mangler	jmangler@tmecorp.com
Social	Tony DeMarco	tony@airetechcorp.com
Reception	Mark Eley	marke@2boonesales.com
Webmaster	Robin Sipes	rdsipes@ualr.edu
Sustainability	Jay Holstead	jay.holstead@comfortsystemsusa.com
Y.E.A.	Caleb Haynes	chaynes@tmecorp.com



THE RAZORBACK REPORT

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



ASHRAE
CHAPTER/REGIONAL TECHNOLOGY AWARD APPLICATION
SHORT FORM

(Revised June 2011)

INTRODUCTION:

*This Short Form has been developed to stimulate more participation in chapter and regional competition. **This form is not intended to replace the full Society Technology Award Application form.** Regional winners using the short form will be required to complete the full Technology Award Application form before their applications can be forwarded for Society Competition. (This form does not require extensive narrative, plans or photographs.)*

INSTRUCTIONS:

- A. The individual submitting the Technology Award Application must be a current member of ASHRAE who had a significant role in the design or development of the project.
- B. Complete the "Short Form" and use it as the cover page.
- C. Provide a system schematic/diagram not larger than 11" x 17" in size. In addition, attach a brief narrative (maximum of 2 pages). The narrative should include the gross and net building areas applicable to the project, a description of the major building areas (i.e., operating rooms, laboratories, computer rooms, industrial processes, offices, warehouses) and a brief discussion regarding the following five criteria (if a criterion is not applicable, state accordingly):
 - Energy Efficiency
 - Indoor Air Quality
 - Innovation
 - Operation & Maintenance
 - Cost Effectiveness
 - Environmental Impact
- D. Submit your schematic, brief narrative, and completed form to your Chapter Technology Committee Chapter (CTTC) Chair for judging at the chapter level in accordance with their instructions.
- E.

The ASHRAE Technology Award program is intended for built projects. First place winning projects should be eligible for submission to the Society level competition on September 1st of the following Society calendar year. Therefore, a project submitted to a Chapter or Regional competition shall be occupied prior to September 1st of the current Society year in order to satisfy the preceding Society level competition requirement of one full year of occupancy.

First place winners in each category from chapter competition will be submitted by the CTTC Chapter Chair to the CTTC Regional Vice Chair for judging in the Regional Technology Awards competition. At the discretion of the CTTC Regional Vice Chair, this may require completion of the full Society Technology Award Application form if the chapter submission was done on the Short Form Application.

The CTTC Regional Vice Chair will invite first place winners in each category from regional competition to submit them for judging in the Society level Technology Awards competition. The regional winners will be given the opportunity to incorporate new information or otherwise improve their submittal before submitting it to the society level competition (e.g., by addressing comments from regional judges). At the discretion of the judging panels at the chapter and regional competitions, more than one first place winner may be awarded in each category.

For the regional competition, submit the number of copies requested by the Regional CTTC Vice Chair. The CTTC Regional Vice Chair may require entries into the regional competition to be done on the full Society Technology Award Application form. In any case, all submissions to the Society level competition must be done on the full Society Technology Award Application form.

- F. It is highly recommended that each entrant confirm by letter (and retain a copy for record) to the owner that the owner has granted permission to submit this project to competition.

NOTE: ASHRAE Technology Awards are the HVAC&R industry's most prestigious honor for efficient energy use in buildings and environmental system performance. While the awards do not certify responsible charge or professional license status, they do recognize outstanding design innovation and successful implementation.

CHAPTER/REGIONAL TECHNOLOGY AWARD - SHORT FORM

1. Category (Check one and indicate New or Existing, if applicable)

☐ Commercial Buildings ☐ New or ☐ Existing

Institutional Buildings:

☐ Educational Facilities ☐ New or ☐ Existing

☐ Other Institutional ☐ New or ☐ Existing

☐ Health Care Facilities ☐ New or ☐ Existing

☐ Industrial Facilities or Processes ☐ New or ☐ Existing

☐ Public Assembly ☐ New or ☐ Existing

☐ Residential (Single and Multi-Family)

2. Name of building or project:

City/State:

3. Project Description:

Project Study/Design Period:

Percent Occupancy at time of submission:

4. Entrant (ASHRAE member with significant role in project):

a. Name: _____
Last First Middle

Membership Number: _____

Chapter: _____

Region: _____

b. Address (including country): _____

City State Zip Country

c. Telephone: (O) _____ d. Email: _____

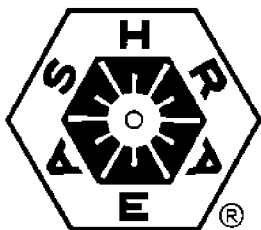
e. Entrant's Role in Project: _____

f. Member's Role in Project: _____

g. Member's Signature: _____

5. Engineer of Record:

By affixing my signature above, I certify that the information contained in this application is accurate to the best of my knowledge. In addition, I certify that I have discussed this entry with the owner and have received permission from the owner to submit this project to the ASHRAE Technology Awards Competition.

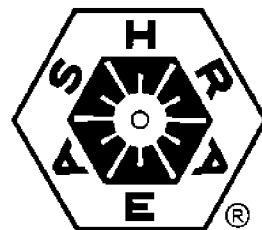


2012 Arkansas ASHRAE Spring Golf Tournament

Friday May 4th "Shotgun Start" 12:30 pm

>Hurricane Country Club<

Bryant, Arkansas



Entry Fee: **\$340 per team** (4 players per team)
Includes cart, refreshments, mulligans(2
per player/18 holes), and lunch at 11:00.

Format: **4-Man Scramble** (First 24 teams)

Ties will be broken by score and hole handicaps.
This format shall promote fair and competitive play.

Prizes: 1st, 2nd place teams. (2 flights)
Long Drive (in fairway) and Closest To Pin.
Special contests to be announced.



Fill out form and e-mail tony@airetechcorp.com or fax to Tony DeMarco.
Airetech Corporation 7631 Northshore Pl. North Little Rock, AR 72118

Phone: 280-0404 Fax: 280-9200



Player 1: _____

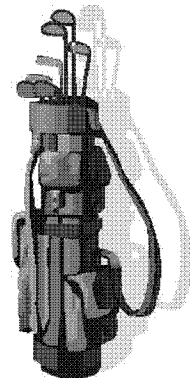
Player 2: _____

Player 3: _____

Player 4: _____

Total enclosed:\$ _____

**Please make checks payable to "Arkansas ASHRAE" and send to
Arkansas ASHRAE P.O. Box 180 Little Rock, AR 72203**



\$ Don't forget to sponsor a Hole \$

___ I will sponsor a hole -\$100. Sign at a hole & recognized in ASHRAE newsletter
___ Corporate Sponsorship- \$200. Banners are allowed for corporate sponsorship
& will be recognized in the ASHRAE newsletter as a Corporate Sponsor (There will
be an area near the scoreboard to recognize corporate sponsors (owner provided))

___ I will donate \$_____ for prizes and awards

___ I will donate Merchandise (golf balls, towels, etc.)

Workers, Hole & Corporate sponsors & Prize Contributors will be recognized in the Arkansas
ASHRAE Newsletter. All proceeds go to **Arkansas ASHRAE**.

Name: _____ .Company: _____

Signed: _____ .Date: _____

Phone: _____ .Fax _____ Email _____