

The Oil Capital Air

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

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Tulsa, Oklahoma

October 2009

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When and What



Chuck Mayfield
Chapter President

President's Message

By: Chuck Mayfield

Last month I told you WHY I am involved with ASHRAE. I hope this inspired you to want to become more involved or at least take a deeper look at where you can give back.

This month I would like to challenge each of you to ask to the questions, "When should I get involved and what can I do?"

Before I give you my answers to these questions, I would like to say thank you to all the golfers that came out for the September 10th golf tournament. It was a huge success. Next year we will not order five inches of rain. Thanks for sponsoring a hole and supporting NEOK ASHRAE. Thanks to David Lam for organizing the golf tournament, Chad Smith for raising over ten thousand research dollars, and Mary Bowers and Laurie Zink for collecting entry fees and handing out the door prizes.

When should you get involved with NEOK ASHRAE? Now! We have a great meeting planned for October 8th at the Islamorada Fish Company inside the Bass Pro Shop in Broken Arrow. The technical session and main program will both center on ground source heat pumps. This is the first of many great programs that Duane Harman and Jeff Ferguson have planned. The next step is to

block out the second Thursday of every month for the next eight months. Make a commitment to attend ASHRAE this year.

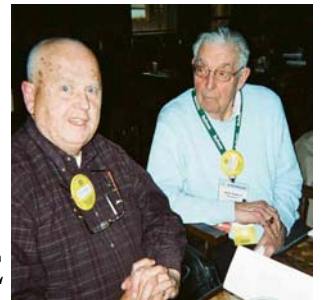
What can you do? Besides attending the meeting in October, invite a co-worker. Come a little early to visit with your fellow ASHRAE members. If you are not a member you can join. Contact Scott Sherwood for more information on how to join online. You can volunteer. We always need more members to give their time. Please contact me for ideas of where you can best help NEOK ASHRAE.

Napoleon Hill said, "Don't wait. The time will never be just right." Now is the time, ASHRAE is the place. Come join us.

Chuck Mayfield can be reached at 918.624-1005 or cmayfield@eei-ok.com

History

By: Gene Redford



Jack E. Tumilty, PE

As many of you know, our Chapter lost long time member, Jack E. Tumilty. He passed away on September 24, 2009. In honor of Jack's work with our chapter as well as ASHRAE, I think it is only appropriate that we rerun an article from a couple of years ago to tell the history of Jack Tumilty. <That article follows.>

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UPCOMING EVENTS

- **October 8th - Chapter Meeting at Islamorada Fish Company, Bass Pro Shop**
5:00 cocktails
5:30 Technical Session
6:30 Dinner & Main Program
- **October 15th, 4:30 — Board of Governors Meeting at Joe's Crab Shack**

OCTOBER CHAPTER MEETING

October 8th, 2009
Islamorada Fish Company

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Jack is a consulting engineer in Tulsa, Oklahoma and the owner of the firm Tumilty & Associates, Consulting Engineers. Jack was born July 11, 1926 in Albuquerque, New Mexico and grew up in Oklahoma City, Oklahoma. After graduating from Classen High School in 1943 he entered the University of Oklahoma and in 1944 he volunteered for service in the US Army Air Corps as a candidate for Navigator. At the end of World War II he returned to Oklahoma University and graduated in 1948 with a Bachelor of Science degree in Mechanical Engineering. While at OU Jack was elected to Pi Tau Sigma, Honorary Mechanical Engineering Society.

Upon graduation Jack went to work as a design engineer for the American Air Conditioning Company in Oklahoma City. He left AAC in 1949 and went to work for a short time for Pfeifer Plumbing Company in Little Rock, Arkansas. He then went to work for L.S. Houston, Consulting Engineers also in Little Rock and designed HVAC (Heating, Ventilating and Air Conditioning) systems for new and renovated movie theaters in Arkansas, Tennessee and Mississippi. In 1951 Jack moved back to OKC and went to work for Bill Collins at Collins Engineering and Associates. There he designed HVAC and plumbing systems for a variety of buildings. In 1952 Jack was moved to Tulsa to continue his design career. In 1956 Jack was appointed Director of the Tulsa office with full responsibility for all mechanical systems designs and client contact. In 1960 he was elected Corporate Vice President in charge of the Tulsa office.

Jack resigned from Collins Engineering Associates in 1974 and established his own firm, Tumilty & Associates, Consulting Engineers. In 1980 he temporarily closed his own firm and joined an Architectural/ Engineering firm, The Benham Group, where he was the Vice President and Director of Mechanical Engineering for the offices west of the Mississippi River. He left the Benham Group in 1988 and worked for a short time for Consulting Engineers, Inc. before reestablishing his own firm in 1990. From that time to the present Jack has consulted on many types of projects for clients such as Conoco, Inc. Ponca City, OK, Oxy, Inc. and Dames & Moore/URS, Inc. where he oversaw the design of HVAC systems and negotiated a \$900,000 contract with the University of Oklahoma to complete a study on the natural gas system at the Norman Campus.

Jack joined the American Society of Heating and Ventilating Engineers (ASHVE) in January, 1949. In December of the same year Bill Collins joined. Jack takes pride in knowing he joined before Bill. He has served the Northeastern Oklahoma Chapter and the Society in numerous capacities. He served the Chapter in all elected offices and was President of the Chapter in 1959-1960. He served as Delegate

and Alternate Delegate to the Chapters Regional Conference (CRC). While he was Secretary of the Chapter he established the Chapter newsletter, The Oil Capitol Air. He chaired four CRC's held in Tulsa and served as Regional Historian until 2007.

At the Society level he has served as a member of several Committees and as a spokesperson for the ASHRAE Standard 90.75. He has been a member of the Standards Committee, the Program Committee and the Education Committee. In 1974 he was asked by Society to chair the Standards Project Committee, which was formed to write an ASHRAE standard on "Energy Conservation in New Building Design". The project committee had over 125 members and produced a standard, ASHRAE 90.75, in 16 months which was approved at the Seattle Annual Meeting in June 1975. He remained as chair of the project committee until 1982.

The Standard 90 Project Committee also developed a training program with slides concerning the Standard, its requirements and how to use it in designing new buildings to achieve energy efficiency. Jack participated in seminars throughout the United States, Canada, Australia and Singapore. In addition to writing Standard 90.75 the project committee produced draft documents for 100 Series Standards, "Energy Conservation in Existing Buildings".

ASHRAE has awarded him the Distinguished Fifty Year Member Award, the Distinguished Service Award and the Society Award of Merit. He was also elected a Fellow in 1983. He has received the Regional Award of Merit and is a Life Member of the Society. At the upcoming CRC in Shreveport he will receive the Chapter Service Award.

In other areas of his professional life he has been recognized with a Citation for Engineering Excellence in the Construction Industry by Engineering News Record. He is listed in Who's Who in the South and Southwest and Who's Who in Oklahoma. He was selected Engineer of the Year by the Oklahoma Society of Professional Engineers – Tulsa Chapter. He is a Life Member of the American Society of Mechanical Engineers, a Life Member of the National Society of Professional Engineers and the Oklahoma Society of Professional Engineers, and is a member of the American Consulting Engineers Council and the Consulting Engineer Council of Oklahoma. He is a Past President of the Consulting Engineers Council of Oklahoma. He has served on Advisory Boards for fifteen plus years at Oklahoma State University in Stillwater and OSU Okmulgee. At Stillwater he served on the Curriculum for Design and Construction and at Okmulgee on the Curriculum for the HVAC program. His states of registration as a Professional Engineer are Oklahoma, Kansas, Texas, Arkansas and Nevada.

Jack and his wife Genie were married in 1953 and have five grown children and 14 grandchildren which has to be one of

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Jacks greatest joys and accomplishments. I asked Jack if he ever planned to retire and he said as long as people keep paying him for his work he will continue practicing Consulting Engineering. He and Genie are regular attendees of Kirk of the Hills United Presbyterian Church. There he has served as Elder, Chairman of the Board of Trustees, Christian Education Committee and the Nominating Committees. He was a member of the Long Range Planning Committee and chaired and served on the Building Committee starting in 1963. He chaired and served on the City of Tulsa Plumbing and Appeals Board, was on the Oklahoma Air Quality Technical Advisory Committee of the Air Pollution Council for the State Department of Health from 1974 to 1976. He served on the Oklahoma Energy Advisory Council for the State Energy Department starting in 1975, served on the Oklahoma Ad Hoc Committee for Energy Legislation from 1977 – 78 and served on the Tulsa Junior College, now TCC on the Air Conditioning and Heating Technology Advisory Committee from 1982 to 86.

The Northeastern Oklahoma Chapter of ASHRAE owes Jack Tumilty a great debt. His service to our Chapter and the Society is unequalled. He still comes to most Chapter and Board of Governors Meetings. He is no longer able to drive which has slowed his participation somewhat but he comes when he is able. If you need a good role model, Jack is your man. Thank you Jack for all you have done for our Chapter and ASHRAE. We are honored to know you.

Gene Redford can be reached at
918.270.1414 or redford.g@mcintoshservices.com

Feelin' Lucky?

By: Bill Hanlon

We are always looking for new ways to raise money for ASHRAE research while giving back something in return. Thanks to a recommendation from Gene Redford we can do both. Starting with the October Chapter meeting we will be selling chances to draw the ace of spades from a deck of cards to win half of the money raised. Each month five tickets will be drawn from those purchased that evening. If one of those five draws the ace, they win and we start over. If not, those cards are left out of the deck, increasing the odds of winning the next month.

So break open that piggy bank for the October meeting and see how lucky you really are.

Bill Hanlon can be reached at
918.835.8333 or bill.hanlon@icstulsa.com

"Badges?...We don't need no...stinkin' badges!"

By: Dan Owens

Well we actually we do!

This summer we cleaned out the badge box. We had several members who had two badges, lots of badges from previous members that have moved or got out of the industry and some badges of deceased members. So we took all the badges out and only put badges back in **IF** you have attended a meeting last year **AND** were a current NEOK-ASHRAE member in good standing. The Board of Governors talked about needing a second badge box and now we are only using one-half of one.

What does that mean for you? It probably means that your badge number has changed. I know, slot number 148 was near and dear to your heart!

But if you did not attend a meeting last year, are not a current member (or maybe delinquent at the time the membership report was ran), there was a problem with the attendance or membership records (we all make mistakes) or the badge committee just messed up (See note about mistakes) then you will not have a badge!

But have no fear! We might have one made for you by watching the RSVP's on the EVITE list. Or you just might need to fill out a badge request form and we will have one at the next meeting! But only if you are a member in good standing! And if you have ever taken your badge home (Remember, we all make mistakes) bring it to a meeting and we will assign it a new slot. And if you need to update your badge, then just fill out the request form with updated information.

Dan Owens can be reached at
918.270.1414 or owens.d@mcintoshservices.com

CRC 2010

By: Dan Owens

CRC 2010 will be in Monterrey, Mexico, April 22nd-24th, 2010.

CRC (Chapter Regional Conference) is the annual meeting for all 15 chapters in ASHRAE Region VIII. The CRC is a golden opportunity for all the chapters to come together and learn from each other. The conference also gives everyone an opportunity to meet and have fellowship.

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If you are planning to attend (and you should), you will need a valid US Passport and should make travel arrangements earlier than usual.

For more information go to <http://www.crc-2010.org>

Dan Owens can be reached at 918.270.1414 or owens.d@mcintoshservices.com

August 20th BOG Minutes

By: Mike Gulizio

Attendees: Duane Harman, Dave Lam, Chuck Mayfield, Dan Owens, Mike Beda, Mike Kirk, Mike Gulizio, Scott Sherwood, Bill Hanlon, Bob Allwein, Chad Smith, Duane Harmon, Jeff Ferguson, Brady King, Dustin Searcy

The NEOK Chapter Board of Governors (BOG) meeting was held on August 20, 2009 at Joe's Crab Shack.

Chapter President, Chuck Mayfield, called the meeting to order at 4:37 PM.

Treasurer: Mike Kirk reviewed the projected budget for the coming year. After discussion revisions were made. Bob Allwein made a motion that the Budget be approved. Mike Beda seconded the motion and it was approved unanimously by the Board. A revised copy will be mailed to the Board. Chuck Mayfield asked for volunteers to form an audit committee for the previous year's books. He named Joel Karstetter to head this up.

Newsletter: Articles for the next Newsletter are due August 26th.

Resource Promotion: Chad Smith reported Flag Hole sponsorships for the upcoming golf event were starting to trickle in. Chad was congratulated on the past years success. Our chapter reached 107% goal. We are over "High Five".

Membership: This year Society is being much more aggressive related to dues delinquencies. Several years ago dues became due at the anniversary date of membership. Previous to that all dues were due in June. This past June we received quite a few notices of delinquency in our chapter. These names were announced and distributed among attendees for attention.

CTT / Main Programs: Duane Harmon reported that the October and January meetings had been scheduled but that November and March are open. Jeff Ferguson reported that most Tech Session speakers had

been scheduled.

Reception: Dan Owens reported he is in the process of re-organizing our Meeting Badges.

Publicity: Chuck Mayfield stated he is hoping to hold a Poker Night fundraiser 30-60 days after our Annual Golf Tournament.

Website: Scott Pollard reported our Website improvements are about 30 days out for completion.

CRC Action Committee: Chuck Mayfield expressed a desire to meet with Doubletree Hotel staff to discuss their property as a potential site for the upcoming CRC.

Special Events: Dave Lam reported he has been in touch with Master Kang at Clary Fields to confirm upcoming tournament arrangements. He reported he had only 3 entries so far. He is planning a mass E-Mailing for next week.

New Business: Chuck Mayfield announced the beginning of a "Half Pot" promotion at monthly meetings. He asked for a volunteer to set up at the reception table during monthly meetings. Bill Hanlon offered his help. Rob Teis has informed us we have run out of space on our banners for new awards patches. Money was approved to purchase a new banner from Society. Chuck Mayfield encouraged each committee chair to keep in contact with their RVC's throughout the year.

The meeting was adjourned at 5:32 pm.

September 17th BOG Minutes

By: Mike Gulizio

Attendees: Dan Owens, Mike Kirk, Mike Gulizio, Bill Hanlon, Dustin Searcy, Rob Teis, Joel Karstetter, Jenny Haltom, Mary Bowers, Sam Davis

The NEOK Chapter Board of Governors (BOG) meeting was held on September 17th, 2009 at Joe's Crab Shack.

Rob Teis called the meeting to order at 4:38 PM.

The minutes of the August BOG meeting were approved as amended.

Treasurer: Mike Kirk estimated we had collected \$7800 for the golf tournament and that our expenses were approximately \$4500.

He said there are 8 outstanding invoices as yet uncollected from participants.

Mike also reported the Annual Budget had been balanced and finalized.

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Newsletter: Articles for the next Newsletter are due September 23.

Resource Promotion: A discussion on the just completed Golf fundraiser came to the resolution that a planning committee should be formed for this event next year. Mary Bowers volunteered to serve on this committee.

Student Activities: Sam Davis reported he is meeting with new OSU Tech students to recruit for membership. Sam asked if we were going to continue to sponsor memberships. He was asked to get a list of applicants and then sponsors would be solicited among the membership, as in past years.

Reception: Dustin Searcy reported the new meeting badges are not as yet completed.

Website: Bill Hanlon reported a new password has been instituted. Please contact him for the password or click on the request password filed on the web site to send a request by e-mail for the new password.

CRC Action Committee: Dan Owens reported the search committee has narrowed the search for a prospective meeting site down to three locations; The Crowne Plaza, The Doubletree and the Renaissance Hotel. Dan reported on and issued a document outlining each of their positive and negative aspects as related to the nature of the upcoming conference. No action was taken at this time.

New Business: Rob Teis has personally purchased a superior quality audio system and has volunteered to allow the Chapter to use this at each Chapter meeting. Thank you Rob!

Dan Owens advised those who plan on attending the upcoming meeting in Mexico to get their passports.

Bill Hanlon requested space at the reception table in order to execute the Card Draw promotion at our monthly Chapter meetings.

The meeting was adjourned at 5:14 pm.

Mike Gulizio can be reached at
918.455-1712 or mgulizio@cox.net

Research Promotion

By: Chad Smith

Thank you again to all of our generous sponsors for the golf tournament. I am very proud to report that we raised over \$ 10,000 for research from the sponsorships and mulligans sold at the tournament. We had 18 flag sponsors, 15

hole sponsors, and sold 70 mulligans for a grand total of \$10,650.00. That amounts to a little over one-quarter of what we raised last year for ASHRAE Research, so we are off to a great start for the year.

I will be giving a more detailed report in the October meeting as to exactly what your research dollars go to fund and how that impacts our chapter and our market here directly and indirectly. I will also be recognizing our sponsors at the meeting as well.

Please see the list of hole sponsors and flag sponsors included in the newsletter and if you do see someone from that company, please be sure to thank them for their support. I do have some of the flags that weren't picked up at the picnic. Please call me to get them, or I can give them to you at the next October chapter meeting.

Thank you again and be sure and watch for Resource Promotion night and future fund raising events.

Chad Smith can be reached at
918.665-6600 or Chad@airetechcorp.com

Chapter Technology Transfer

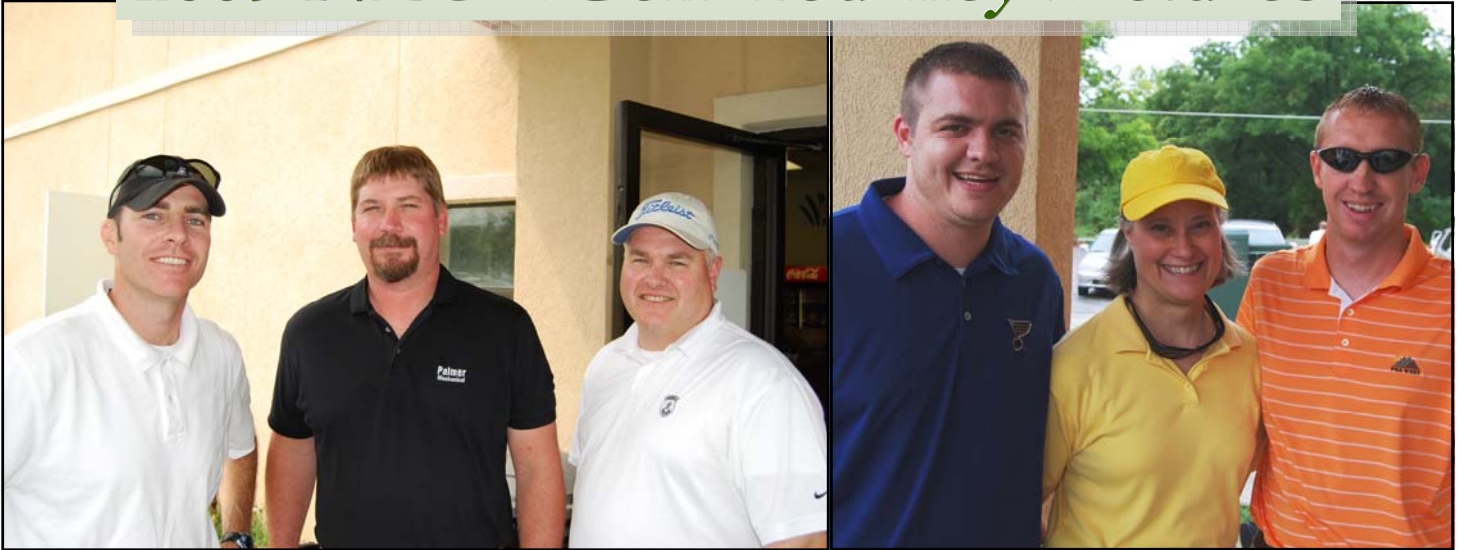
By: Duane Harmon

This month's tech session and main program focuses on geothermal heat pump systems. The technical session will be presented by Garen Ewbank, Ewbank Geo Testing. Garen pioneered the in-situ thermal conductivity testing back in the early 1990's. Garen continues to be active in the industry through testing and educating on ground loop systems. Garen's technical session focus will be on sizing commercial/industrial ground loop systems.

Dan Ellis, President of ClimateMaster, will present for the main program. Dan's presentations will be on Geothermal Heat Pump Systems and the available tax incentives. Dan with the support of a coalition of top-tier legislative consultants, embarked on a mission in 2007 to educate Congress on the benefits of geothermal heat pumps and the role they could play in meeting our nation's energy-efficiency and climate change goals. The new tax incentives for geothermal heat pumps are a result of these efforts.

Duane Harmon can be reached at
918.877-6000 or dharman@cyntergyaec.com

2009 NEOK Golf Tourney Pictures



2009/2010 Programs

Date	Technical Session	Speaker	Main Program	Speaker	Theme and Special Guests
10-Sept-09	Golf Tournament at Clary Fields Golf Course	Golf Tournament at Clary Fields Golf Course	Golf Tournament at Clary Fields Golf Course	Golf Tournament at Clary Fields Golf Course	Golf Tournament at Clary Fields Golf Course
8-Oct-09	Ground Source Design for Commercial / Industrial Systems	Garen Ewbank, Ewbank Geo Testing	Geothermal Systems and Tax Incentives	Dan Ellis, President Climatemas-ter	Membership Night; Refrigeration Night
12-Nov-09	Hybrid Boiler Systems	Hamilton Engineering	ASHRAE Research Status	OSU Faculty	Research and Consulting Engineers Night
10-Dec-09	NONE - Lunch Meeting	NONE - Lunch Meeting	Green Vs. Green	Panel of 5 TBA	Panel Discussion
14-Jan-10	Commissioning	Jim Snyder	DOAS & ASHRAE 62	TBA	Membership Promotion Night & YEA Night
11-Feb-10	NONE—Spouses Night	NONE—Spouses Night	Working Marriage	Joe McGee	Research Auction; Spouses Night
11-Mar-10	ECM Pump Design	TBA	LEED & Hydronic Systems	TBA	Student Activities, Past Presidents, & Golden Circle Night
8-April-10	OSU HVAC&R Research	OSU Graduate Students	Variable Refrigerant Applications	TBA	Plant Tour
13-May-10	Energy Audit & Campus Applications	TBA	LEED, Controls & Verification	TBA	Awards Night; Installation of Officers

2009 NEOK Golf Tourney Pictures



RAE Corporation

Captiv-Aire Systems

AAON, Inc.

**Mechanical Contractors Assoc. of
Eastern Oklahoma**

Process Equipment, Inc.

Engineered Equipment, Inc.

McIntosh Services, Inc.

DS Herron Co, Inc.

Automated Building Systems, Inc.

Airetech Corporation

Control Installations

Johnson Controls, Inc.

NEOK Chapter ASHRAE

OMNI-2 Mechanical Services

Integrated Control Systems, LLC.

Northwest Controls Systems

Paco Pumps - AMECO, Inc.

Applied Equipment Sales

**ASHRAE
2009 Golf
Tournament
Flag Sponsors**



**ASHRAE
2009 Golf
Tournament
Hole
Sponsors**

Tulsa Air Specialists, Inc.

SMACNA of Oklahoma, Inc.

Process Equipment, Inc.

Matrix Architects & Engineers

Heatwave Supply Company

Boone & Boone Sales Co.

Carrier Sales & Distribution

MPW Engineering, Inc.

PVI Industries, LLC.

*Redbud Air Filter Systems and
Service*

*Mechanical Contractors
Association of Eastern
Oklahoma*

Trane Company

Northwest Controls Systems

Air Comfort

Reznor



NEOK BOOSTER TICKET APPLICATION 2009 - 2010

Individual Booster Ticket	(Name)	@ \$175	\$
Individual Booster Ticket	(Name)	@ \$175	\$
Corporate Booster Ticket	Qty.	@ \$175	\$
Student Booster Ticket	Qty.	@ \$175*	\$
Member Promotion Ticket	Qty.	@ \$175*	\$
Student Meals	Qty.	@ \$25*	\$
		TOTAL PAID:	\$

*** Tax deductible donation for the benefit of the Chapter**

Company Name: _____ Contact Person: _____

Address: _____

Phone: _____ Fax: _____

Make checks payable to: NEOK ASHRAE

Mike Kirk will be on hand at all meetings to process your forms and checks. Contact Mike at 918-258-5618 with any questions.