



Volume 4, Issue 3  
Winter 2006

# The HEL Circuit

Houston Electrical League, Inc.

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2005

2006

2007

2008

## HEL Officers

- President  
Jim Sims  
– Eaton Electrical
- Vice President  
Mike McDaniel  
– Electrical Controller Products Co.
- Treasurer  
Scott Weddle  
– Panduit Corporation
- Secretary  
Ted Leftwich  
– EGS/Appleton Electric

Published by the Houston  
Electrical League Scholarship  
Foundation  
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## President's Message:

*First, thanks to Phil Metz, President, and HEL Board for leading us thru 2005 and 2006. During 2005 –2006, Phil and his team grew our membership and sponsored over \$100,000 in scholarships to encourage new talent into our industry. THANKS AGAIN PHIL !*

## **WOW ! It's hard to believe it's almost 2007.**

*As we enter 2007, I would like to introduce the HEL Officers and Board Members that are volunteering their time to GROW our League: (see page 2)*

*Thanks in advance to those above for their support and many hours spent growing our league.*

*At our recent General Membership Meeting, you heard me make reference to my 4R's as my personal objectives for 2007 – 2008 and you'll hear me refer to them occasionally.*

**1R – Rethink:** *We as a league need to **rethink** our mission and future. Where do we want the league to be in 5 to 10 years?*

**2R- Reenergize:** *Reenergize us to face the challenges of the future.*

**3R- Rebuild:** *Rebuild the Houston Electrical League and its membership.*

**4R- Recommit:** *Recommit ourselves to the Electrical Industry, our membership, our students, and future members.*

*I'm looking forward to the CHALLENGE and opportunity for growth of our League. I would also like to say THANKS to ALL our SPONSORS of our events. Without your support, we could not sponsor the scholarships and events we do.*

**THANKS and Here's to 2007/2008!!**

*Jim Sims*

**Houston Electrical League Officers:**

*Jim Sims, President*

- Eaton Electrical

*Mike McDaniel, Vice President*

- Electrical Controller Products Co.

*Scott Weddle, Treasurer*

- Panduit Corp.

*Ted Leftwich, Secretary*

- EGS/Appleton Electric

*Committee Chairpersons*

*Scholarship Committee*

*Jeff Metzler - Crawford Electric Supply*

*Kilowatt Kooker Team*

*Gus Smith*

*Membership Committee*

*Chris Coursey - Bell and McCoy*

*Golf Committee*

*Ted Leftwich - EGS/Appleton Electric*

*HEL Webmaster*

*Mike McGraw - NSOEM, Inc.*

*HEL Circuit & Buyers Guide*

*Jack Justilian - Key Electric Supply*

*Bowling*

*Jim Krepper - Elgin B. Robertson, Inc.*



New Board Members

Left: Mike McGraw, Stephen Paul, Robert Sorbert

**2007 Houston Electrical League Officers and Board Members**



◀ Jim Sims  
President



▲ Jeff Metzler  
Scholarship Committee Chairman



◀ Chris Coursey  
Membership Committee Chairman

*NEW Associate Board Members:*

*Phil Collins - Electrical Controller Products*

*Safford Hazen - Cooper Crouse-Hinds*

*Mark Mitterlehner - Houston Wire and Cable*

*Stephen Paul - Eaton Electrical*

*Robert Sorbert - AWC, Inc.*

*Houston Electrical League Scholarship Foundation:*

*Jeff Metzler, President*

- Crawford Electric Supply

*Jim Sims, Vice President*

- Eaton Electrical

*Jeff Techmanski, Treasurer*

- E-Tel Sales, Inc

*Advisory Board Members:*

*John Dunn - Siemens Energy&Automation*

*Jim Krepper - Elgin B. Robertson*

*Jeff Techmanski - E-Tel Sales, Inc.*

*Phil Metz - Manhattan Wire Products*

*HEL Admin:*

*Nancy Brown - Bell and McCoy*

CHRISTMAS CAME EARLY  
**CHRISTMAS CAME EARLY**

• **TOYS FOR TOTS** •

**AT KEY  
ELECTRICAL  
SUPPLY**



[www.keyelectrical.com](http://www.keyelectrical.com)



▲ Mark Jensen, President  
Sarah Levan, Credit Manager

**KEY Electrical Supply Inc.** is a member of the National Association of Credit Management (NACM). Every year NACM takes part in the "Toys for Tots" drive for the U.S. Marine Corporation. This year, the employees of **KEY Electrical Supply**, came together and donated toys for children that would not have had a Christmas otherwise. This Christmas 60 children will have smiles on their faces that would not have been possible without these donations.

***WE Deliver!***

Houston Location:  
12333-A Sowden Road, Houston, Texas 77080  
713.462.9901 • 713.462.4509 Fax

Stafford Location:  
13335 Murphy Road, Stafford, Texas 77477  
281.499.5659 • 281.499.3628 Fax

CHRISTMAS CAME EARLY



Fall 2006

# Golf Tournament Report



The HEL Fall 2006 Golf Tournament was held on Monday, October 30 at Northgate Country Club. Thanks to the 177 golfers and 48 sponsors participating, the tournament raised nearly \$10,000 for the HEL Scholarship Foundation.

A cloudless sky and light breeze greeted the golfers as they arrived for registration and lunch, provided by the Kilowatt Kookers. At 12:00 noon the 44 teams, armed with goodie bags and drink tickets, headed out to the course for a shotgun start and a great day of golf. After the tournament golfers relaxed in the country club's beautiful dining room and enjoyed a fajita dinner cooked by the award winning Kilowatt Kookers.

For more photos, please click to [www.hel.org](http://www.hel.org)



## Benshaw's Variable Frequency Drives



Benshaw has developed the reputation for being a leader in the Motor-Starting Industry by leading the way with advanced reduced voltage solid-state starters in the Petrochem and Heavy Industrial Markets. But, many people do not know that Benshaw is also a leader in the LV drives market as well. Benshaw has built its Drive Application Reputation and Experience in the Mining Industry, establishing themselves as an industrial motor drive leader.

Benshaw drives are now available to the Texas Petrochem/Industrial Market, with responsive lead-times, custom control panel integration, and competitive pricing. For more information on the Benshaw Drive Product Line, Solid-State Starter offering, pricing, or service capabilities, please contact our area sales representative, NSOEM, Inc.

**From Fractional HP through 600 HP, Full 600V Class Design...  
Immediate Availability from the Factory or our Regional Service Centers.  
Component Drives or Fully Assembled Drive Panels.**

**Competitive Pricing, Outstanding Service, & Proven Quality**



### NSOEM, Inc.

9831 Whithorn Drive  
Houston, TX 77095  
Phone: 281-500-8940  
Fax: 281-500-8945  
Web: [www.nsoem.com](http://www.nsoem.com)  
General E-Mail: [nsoem.sales@nsoem.com](mailto:nsoem.sales@nsoem.com)

**For Pricing & Availability  
Please contact:**

Boyd Derby: [b.derby@nsoem.com](mailto:b.derby@nsoem.com)  
Michael A. McGraw: [rpo.group@nsoem.com](mailto:rpo.group@nsoem.com)





◀ Winners of the Golf tournament with the prize of a Gift Certificates to the Northgate Pro Shop.



Golf, dinner and awards were not enough for some. In the tradition of HEL tournaments from long ago, a group gathered in the locker room for poker and cigars. No official results to report from this portion of the tournament...*what happens at the poker game stays at the poker game!*



Left: Shermon Stewart, John Paschal III, Mark Jensen, Ron Settle



# The IEEE 519 - 6 Pulse Solution

The real solution to harmonics within your drive application is not the drive, it's your filter!

6 pulse drives can create a nightmare on your distribution system, with current harmonics in excess of 70% and voltage distortions in excess of 30%, based on system parameters. This reflected condition not only interferes with your linear load equipment, but also other non-linear load devices. That is why IEEE has published the 519 standard for harmonic circuit conditions. Drive manufacturers have developed 18 pulse technology to meet the new IEEE 519 standard, yet this solution is extremely expensive and complicated.



The solution is simple, couple the more conventional 6 pulse drive offering with a Mirus Lineator Filter, and exceed IEEE 519 and ABS Harmonic requirements. The Mirus Lineator replaces expensive 18 pulse technology, expensive and bulky drive isolation transformers, and eliminates the need for line reactors within your circuit.



The advent of harmonic mitigation also saves you real energy by significantly improving your REAL POWER FACTOR. Real Power Factor is improved by eliminating harmonic power factor from your system, allowing your system to produce more real work from every kW of power provided.

We are so confident that the Mirus Lineator will meet or exceed IEEE 519 and ABS harmonic standards, we will perform the harmonic analysis and circuit simulation before we take an order... no one else in the Industry is willing to provide these simulations before you place an order... and we do it for free.

To find out more about Mirus or the Mirus Lineator, please contact:



**Nsoem, Inc.**  
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Houston, TX 77095  
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Fax: 281-500-8945  
Web: [www.nsoem.com](http://www.nsoem.com)

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Mike McGraw  
E-Mail: [m.mcgraw@nsoem.com](mailto:m.mcgraw@nsoem.com)

#### Inside Sales/Quotations

Boyd Derby  
E-Mail: [b.derby@nsoem.com](mailto:b.derby@nsoem.com)

Michael McGraw Jr.  
E-Mail: [rpo.group@nsoem.com](mailto:rpo.group@nsoem.com)

#### Outside Sales

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Special Projects & Dev. Sales  
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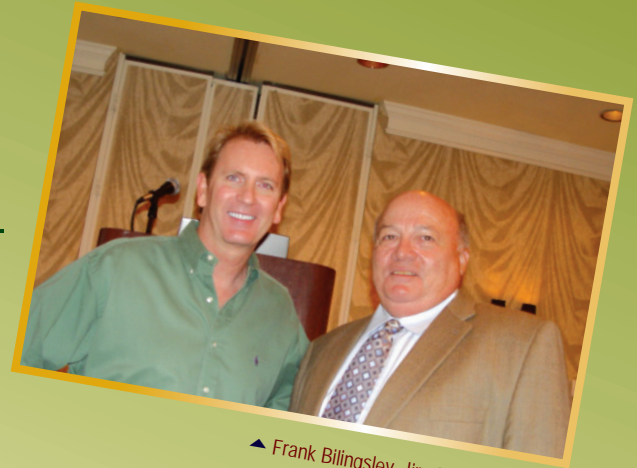
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Eddy Betts  
Engineering Firms & End User Houston  
E-Mail: [e.betts@nsoem.com](mailto:e.betts@nsoem.com)

# General Membership Meeting

Date: October 25, 2006

Place: Intercontinental Houston Hotel  
2222 West Loop South



▲ Frank Billingsley, Jim Sims

## What Do You Do to *stay safe?*

*Check out the answers to this safety quiz!*

### What do you do to stay safe around power lines?

Stay away! Always keep at least 10 feet away from power lines.

### What do you do if you see a street light out?

Report it so that we can make repairs.

### What do you do if you smell gas?

Leave right away. Then call us at 1-800-752-8036. We respond to gas leaks 24 hours a day, 7 days a week.

### What do you do before you dig?

If you're planting a tree or doing other work in the yard, use the Call Before You Dig phone number (1-800-545-6005) to have the utility lines marked. One call can prevent damage to underground electric, gas, water and other important service lines that could cause injury to you, your family or the environment.



ALWAYS THERE with answers on the spot.®

Guest Speaker:

**Frank Billingsley**

Predicting the weather is just one part of chief meteorologist Frank Billingsley's job. Whether thunderstorms or sunny days, Frank takes pride in serving the Houston area with accurate and comprehensive weather reports. Since joining the Local 2 team in 1995, the Associated Press has awarded Frank "Best Weathercast in Texas" five times.



▶▶ Continue on the back page...



# “Kilowatt Kookers” 2007



▲ Gus Smith, Chairman

The Houston Electrical League Scholarship Foundation's very own cookoff team “Kilowatt Kookers” will be cooking again at the World Championship BBQ cookoff being held at the Reliant Stadium parking lot on February 22-24, 2007. The team is proud to announce that over \$295,000 has been donated to the scholarship fund since our first appearance in 1995. The event is promising to be bigger than ever next year. **Don't miss this chance to be one of the first to sponsor the team.**

In 2006, the team placed 1<sup>st</sup> in Ribs, Grand Champion Ribs and 1<sup>st</sup> & 2<sup>nd</sup> Runner up Overall Grand Champion Barbecue. This is proof that our food is award winning and worth your time and money to support the team.

## \$2500 Bar-B-Que Pit

### Pitt's & Spitt's

### \$20 Scholarship Donation

**Drawing Feb 24, 2007**

**To participate contact any Kilowatt Kooker team member today!**

Your \$20 donation provides new equipment for the Kilowatt Kookers. This donation is tax deductible as a contribution to a 501(c)3 organization as allowed by law. One donation entry from all collected will be randomly drawn and awarded a Pitt's & Spitt's BBQ pit valued at \$2500. You need not be present to win. Winner will be notified. No more than 500 donations will be accepted. Donations accepted at the BBQ Cookoff up to drawing time on Saturday, February 24, 2007 at the Kilowatt Kooker's booth.



▲  
◀ Kilowatt Kooker Team at work



Back: Randy Ingersoll, David Thompson  
Left: Kevin Jackson, Tommy Lipham, Gus Smith, Jim Sims, Donnie Cox



## INFORMATION

1. Day Passes at \$45 each are available for Friday and Saturday only.
2. The booth is open during normal operating hours of the cookoff.
3. Metro shuttles information is available at [www.rodeohouston.com](http://www.rodeohouston.com).
4. \$6 gate admission fee is not included in your sponsorship.
5. FREE for those who are aged 2 and under into the cookoff grounds.

## SPONSORSHIP

Three Levels of Support Available

### DIAMOND level

With a contribution of \$4,500, your company will receive 36 passes for the Corporate Sponsor party Thursday, Feb. 22, 42 Single day passes each for Friday and Saturday and your name displayed on the sponsor board in the booth.

### GOLD level

With a contribution of \$2,500, your company will receive 20 passes for the Corporate Sponsor party Thursday, Feb. 22, 24 single day passes each for Friday and Saturday and your name displayed on the sponsor board in the booth.

### SILVER level

With a contribution of \$1,250, your company will receive 10 passes for the corporate sponsor party and 12 single day passes for each Friday and Saturday.

- To obtain an order pass form for your sponship, please contact Gail Martin at 713-207-7518.
- Check, cash or credit card are accepted.
- Your donation is tax deductible due to a fundraiser for the scholarship foundation.
- For questions, please contact Gus Smith, Cookoff Chairman and HEL board member at 713-516-4946.



Left: Mike Poth, Gus Smith, Tommy Lipham, Jeff Techmanski, Bob Meister



## 2007 CALENDAR OF EVENTS

January 9	Board meeting
February 13	Board meeting
February 22-24	Kilowatt Kookers HL&R
March 13	Board meeting
March 21	General meeting
April 2	Raveneaux Country Club Golf
April 10	Board meeting
May 8	Board meeting
September 11	Board meeting
October 9	Board meeting
October 24	General meeting
November 13	Board meeting

HEL Circuit Advertising Rates:		
	One Issue	Two Issues
Full Page	\$550	\$450
Half Page	300	250
Quarter Page	175	150
One Time (1/8)	100	



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- Meets UL Standard 1604 - File No. E258346 (Class 1, Division 2, Groups A, B, C and D Hazardous Locations)
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Michael McGraw Jr.  
E-Mail: rpo.group@nsoem.com

### Outside Sales

Keith Howard  
Special Projects & Dev. Sales  
E-mail: k.howard@nsoem.com

Forrest Boaz  
Central Texas  
E-Mail: f.boaz@nsoem.com

Eddy Betts  
Engineering Firms & End User Houston  
E-Mail: e.betts@nsoem.com

## EBR

New additions are NGK-Locke Insulators, both porcelain and creamic. Also, we have taken on Galvan, galvanized and copper ground rods. Galvan also has a complete line of connectors associated with the grounding.

# Houston

## Manufacturing

### Eutex International (USA) Ltd

Eutex announce our new sales office now opened in New Jersey, serving the East Coast States and Canada. For details of products and services, call us for more information or e-mail to [ecoast@eutexinternational.com](mailto:ecoast@eutexinternational.com).

## Rep Update

### Enhance Electric Sales

Manufacturer lines added are:

Mulberry Metal Products-a line of weatherproof, conduit bodies, wall plates, & outlet box covers. ABB - a line of ABB Controls that we've represented for 6 years.

Three new employees are added in 2006, including Lisa Johnson who has 20 years experience with a building wire manufacturer.

### Bell & McCoy - New Lines in 2006

Middle Atlantic Products: Racks, cabinets and accessories for datacomm and networking installations. Shamrock Steel: Galvanized and EMT conduit. Steren Electronics: Connectivity networking solutions for broadband, satellite/CATV, Audio/Video, Fiber, etc.

## NEW Rep Update

### J. D. Martin Company

New additions are Jerry Doyle-District Sales Manager Austin/San Antonio Territory, Steve Morgan-outside sales Austin/San Antonio Territory, Stacy Pilkington-inside sales Austin/San Antonio Territory, Gaylon McCrary-inside sales Austin/San Antonio Territory, Kevin Moore-Houston outside sales and Tom Reese-Houston inside sales.

Manufacturer lines that have been added are Champion Fiberglass in North Tx, Bosch Tools, Nicor Ltg in North Tx and Howard Industries.

### Bell & McCoy Lighting and Controls

New division established in June, 2006. Led by Rob Duncan (General Manager) and David Moore (Sales Manager), this division currently has 18 employees focused on specification and sales for the Houston market. Their growing line sheet includes Hubbell Lighting and Lutron Electronics.

## Winners of \$1000 scholarship

Student Name	University	Parents Name	Parents Employer
Daniels, Stephanie	Houston Baptist University	Daniels, Donnie	Houston Wire & Cable
Gerrish, John P.	Texas Tech University	Gerrish, Mike	G.E.
Jacobs, Robyn J.	Sam Houston State University	Jacobs, Nick	Siemens Energy & Auto
Weber, Ashley M.	Sam Houston State University	Weber, Bill	Eaton Electrical
Weber, Derek R.	University of Texas, Austin	Weber, Bill	Eaton Electrical



▲ Brandi Stokes  
ECP Tech Services  
- Monte Carol Raffle



▲ Left: Jeff Metzler, Nick Jacobs, Bill Weber  
Right: Jim Sims, Mike Gerish, Donnie Daniels