



The Tool Box

Serving the Electrical, HVAC & Plumbing Industries Since 1912

Volume 1, Issue 46 May 10, 2004

Language Barriers on Construction Site Easily Overcome

By: Tom Frisby

“Hablo Espanol?”

If you're in the construction industry and you don't yet speak Spanish, it's time to learn.

That's because Hispanics, the fastest growing segment of the U. S. population, will be the largest minority by the year 2005, with over 36 million Hispanics living and working in the United States. In the Lowcountry, Hispanics comprise about 3% of the population, while in some geographical areas they comprise over 70% of the construction workforce, especially in the residential sector.

With a growing Hispanic workforce comes increased challenges. For example:

- Language is often the No. 1 obstacle on a work site.
- Safety has become a major issue among non-English speaking employees, to the extent that workplace fatalities are highest among Hispanics. Last year there was a 20%-plus jump in fatalities among Hispanic workers nationwide.
- Language barriers may also prevent effective coordination between the trades (for example, an English speaking HVAC crew and a non-speaking framing crew).

Successful owners, developers and contractors must therefore develop a strategy for incorporating Hispanic businesses or workers into their plans. The first tactical plan is to deal with the language barrier. Several options are currently available in the construction industry:

- The International Conference of Building Officials has published a pocket-sized dictionary of construction terms and phrases in both Spanish and English. Entitled *Constructionary-Constuctionario*, it contains over 1,000 construction terms and 70 useful phrases with phonetic pronunciations.
- Associated General Contractors of the Carolinas has undertaken a bilingual safety program for its membership.
- The American Red Cross conducts OSHA-approved courses for Hispanics in First Aid, CPR and AED. Call Philippe Gresle, director of health and safety, at 744-8021 ext 357, for more information.
- Every employer has a duty to provide a safe working environment for all employees and communication is the basic tool for informing the employee of safe practices as well as enforcing them.

The employer also has a duty to train all employees. The first step in training a Hispanic workforce begins with selecting a qualified foreman who knows the language and culture. A basic safety program from one of the sources indicated above should also be provided and should emphasize the four causes of 90% of fatalities: falls, being struck by falling objects or vehicles, being caught in cave-ins and trenching and electrical hazards, such as power tools or overhead power lines.

The same basic ingredients for managing any workforce apply to the Hispanic workforce as well: communicate, train treat with respect and provide a safe work environment. The most common deficiency we find among contractors is that of training.

We must all raise the bar of performance in providing adequate training for all personnel in our companies and at the same time realize that if we are to hire (continued on page 12)

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[If you book through other means, please be sure to mention Delta File Code #204667A](#)

[for your Discount Prices are going up!](#)

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**Mechanical Member:
Palmetto Propane — Batesburg-Leesville**

Havird Oil Co. was established in 1959 by Paul and Janelle Havird. Palmetto Propane, Inc. was established in 1964 to provide ice, propane gas, gas equipment and outdoor cooking equipment in the Midlands of South Carolina. Palmetto Propane's expert technicians are highly trained for all installation and maintenance of your gas appliances. Offering unmatched service and quality, we offer the finest in outdoor barbeques and complete gas accessories.

Our vision for customer service is inspired by a simple policy. "To provide quality products and services to our customers, ensuring profitable growth through honesty and integrity." We invite you to experience our courteous, dependable and world-class service. Our people are the best in the business. They will go the extra mile "do what it takes" and give you the best service you have ever experienced.

We have 4 offices to serve you:

- 131 West Church Street **Batesburg-Leesville**, SC 29006 Call 803-532-4414
 - 101 South Jennings Street **Saluda**, SC 29138 Call 864-445-8485
 - 111 South Church Street **Lexington**, SC 29072 Call 803-359-3311
- 166 Fish Hatchery Road **West Columbia**, SC 29172 Call 803-796-8741

Serving our customers for 43 years, we are a family-owned gas specialty store. We have found offering quality and service paramount to our success. We run specials year round on our grills, grill accessories, gas logs and hearth products. We also have turkey fryer kits and marinades, patio fire pits and accessories. Visit us on the web at www.palmettopropane.com or www.havirdoil.com. Our products and service can't be beat!

Palmetto Propane, Inc.
Batesburg-Leesville, SC 29006
Phone: (803) 532-4414 Fax: (803) 532-7373



MAY BIRTHDAYS
Happy Birthday!!

| | | | |
|------------------------|--------|-------------------------------------|--------------|
| Theresa Caldwell | May 4 | Waldrop Heating & Air Conditioning | Wife of Bill |
| Phil Wilson | May 5 | Control Management, Inc. | |
| John Minor | May 5 | G-M Mechanical Corp. | |
| Tom Johnson | May 7 | Past State President | |
| Rob Stewart | May 7 | Transworld, Inc. | |
| Betty Hewett | May 12 | Hewett Mechanical, Inc. | |
| Robin Cullum | May 14 | Cullum Mechanical Constr. | Wife of Rudy |
| Sally Paul | May 15 | Sanitary Plumbing Contractors, Inc. | |
| Ray Watkins | May 18 | Bernoulli Insulation Company | |
| Sam White | May 20 | Walker White, Inc. | |
| A. A. "Bo" Shuler, Jr. | May 24 | Retired MCASC State President | |
| Karen Stewart | May 24 | Transworld, Inc. | Wife of Rob |
| Bill Bowers | May 30 | Hoffman & Hoffman - Greenville | |
| Ken Morelli | May 31 | Cregger Company, Inc. - Charleston | |

HAPPY BIRTHDAY MEMBERS! WE WOULD LIKE TO ANNOUNCE YOURS!
PLEASE CALL THE BIRTHDAY HOTLINE AT (803) 772-7834 OR EMAIL TO mcasc@bellsouth.net

PROJECTS FOR BID & BID FORECAST

MECHANICAL CONTRACTORS ASSOCIATION OF SOUTH CAROLINA

JOBS TO BE BID THROUGH THE MCASC BID PROCEDURE.

ALL MECHANICAL CONTRACTORS WHO ARE NOT MEMBERS OF THIS ASSOCIATION BIDDING ON THESE ADVERTISED JOBS ARE INVITED AND URGED TO UTILIZE THE MCASC BID PROCEDURE PUBLISHED HEREIN.

INFORMATION PUBLISHED BY THE MECHANICAL CONTRACTORS ASSOCIATION OF SOUTH CAROLINA

NOTES:

1. ALL JOBS LISTED WITHOUT REFERENCE TO THE MCASC FOUR-HOUR DESIGNATION ARE EITHER ZERO OR TWO-HOUR BID JOBS.
2. ALL ASPECTS OF THE MCASC FOUR-HOUR BID PLAN APPLY TO JOBS DESIGNATED AS EITHER ZERO OR TWO-HOUR JOBS WITH THE EXCEPTION OF TIME & BID PROCEDURE OFFICE/SIGNATORY GENERAL CONTRACTOR INTERFACING.

***MCASC BID PROCEDURE SIGNATORY GC'S INDICATED WITH "O"**

PIEDMONT AREA

CHAIRMAN DESIGNATING COMMITTEE

DAVID BISHOP

TEL: (864) 578-7252 FAX: 578-341

NOTE DATE CHANGE

1. **INMAN** New Chapman Hi. Sch., Spartanburg Co. Sch. Dist. 1, Owner. McMillan, Smith and Partners, Spartanburg, Archts.
 May 27 **MANDATORY PREBID CONF: 2:00 PM, Apr. 29, Off. Own.**
 BIDS DUE MCASC: 3:00 PM
 Bidders Include:
 Devere Construction Company, Inc., Alpena, MI
 China Construction America, Inc., Columbia
GENRL OPEN: 3:00 PM
 Beam Construction Co., Inc., Cherryville, NC
 M. B. Kahn Constr. Co., Inc., Kahn/Argo Division, Greenville
 Triangle Construction Co., Inc., Greenville

MIDLANDS AREA

CHAIRMAN DESIGNATING COMMITTEE

NO JOBS LISTED

PEE DEE AREA

CHAIRMAN DESIGN, COMMITTEE

PAUL PREVATTE

JIMMY LEE

WILLIAM L. SELF

G'TOWN HRY & MARION

FLO, DAR, DIL, C'FLD & M'BORO

TEL: (803) 432-8519 FAX: 432-3845

TEL: (843) 272-4915 FAX: 272-6071

TEL:(843) 669-8243 FAX: 673-0826

NOTE DATE CHANGE

1. **CONWAY** New Career Ctr., Horry County School District, Owner. F W Architects, Inc., AIA, Florence, Archts.
 May 18 **MANDATORY PREBID CONF.: 3:00 PM, April 21, Off. Own.**
 BIDS DUE MCASC: 2:00 PM
 Bidders Include:
 o Chancel Construction Group, Inc., Conway
 o Wise Construction Company, Florence
 o Sharp Constr., Co. of Sumter, Sumter
GENRL OPEN: 2:00 PM
 o Fbi Construction, Myrtle Beach
 o Brantley Construction Co., Inc., Charleston
 Thompson Turner Construction, Sumter
 Martin Engineering, Inc., White Rock
2. **DILLON** Dillon Co. Detention Ctr. Addns. & Renovs., Dillon County, Owner. ACGA Facilities Services, Inc., Sumter, Archts.
 May 11 **MANDATORY PREBID CONF: 9:00 AM, April 27, at job site, 1027 Old Latta Highway.**
 BIDS DUE MCASC: 2:00 PM
 Bidders Include:
 o Wise Construction Company, Florence
 o Chancel Construction Group, Inc., Conway
 o All Quality Construction Company, Lake City
GENRL OPEN: 2:00 PM
 o Fbi Construction, Florence
 Wilks Robinson Construction CO., Marion
 Sumwalt Associates, Inc., Columbia

COASTAL AREA

CHAIRMAN DESIGNATING COMMITTEE

RON RUNYON

TEL: (843) 556-5636 FAX: 763-3091

NO JOBS LISTED

WEEK OF MAY 10, 2004-MAY 14, 2004

| DAY | JOB NO. | 4/HR | LOCATION | NAME | BID DATE | TIME |
|---------|---------|------|----------|--|----------|---------|
| Tuesday | 3-2698 | | Dillon | Dillon Co. Detention Ctr. Addns. & Renovs. | 05/11/04 | 2:00 PM |

WEEK OF MAY 17, 2004—MAY 21, 2004

| DAY | JOB NO. | 4/HR | LOCATION | NAME | BID DATE | TIME |
|---------|---------|------|----------|-----------------|----------|---------|
| Tuesday | 3-2699 | | Conway | New Career Ctr. | 05/18/04 | 2:00 PM |

WEEK OF MAY 24, 2004—MAY 28, 2004

| DAY | JOB NO. | 4/HR | LOCATION | NAME | BID DATE | TIME |
|----------|---------|------|----------|----------------------|----------|---------|
| Thursday | 1-4076 | | Inman | New Chapman Hi. Sch. | 05/27/04 | 3:00 PM |

WELCOME NEW MEMBERS

CORLEY SECURITY SYSTEMS – COLUMBIA – RICK CORLEY
 HERTZ EQUIPMENT RENTAL—COLUMBIA—JOHN COVINGTON
 NOLAND COMPANY – CHARLESTON – JIMMY JOHNSON
 RELIABLE SAFETY SOLUTIONS, LLC—INDIAN TRAIL, NC—MEL ROSAS
 ROGER'S COMPUTER SERVICE— LEXINGTON—ROGER GRIGGS
 SCnetSOLUTIONS—SUMTER—KYLE OSTEEN
 VICTAULIC COMPANY of AMERICA—DANIEL ISLAND—GREG WHEELER

SYMPATHY

MCASC would like to extend thoughts and prayers to the following family:

Miriam Tankersley, Burkett Systems-Columbia

CONCERNS

MCASC would like to extend thoughts and prayers to the following families:

Carol Coleman, Wife of Harvey Coleman (Walker-White) Chapin, at home

Wyman Sox, Honorary Life Member, West Columbia, at home

Charley Hipp, Hipp Properties-Mt. Pleasant, at home

Preston (Big Daddy) Mitchell (Tommy Burkett's stepfather/Burkett Systems) nursing home, Charlotte

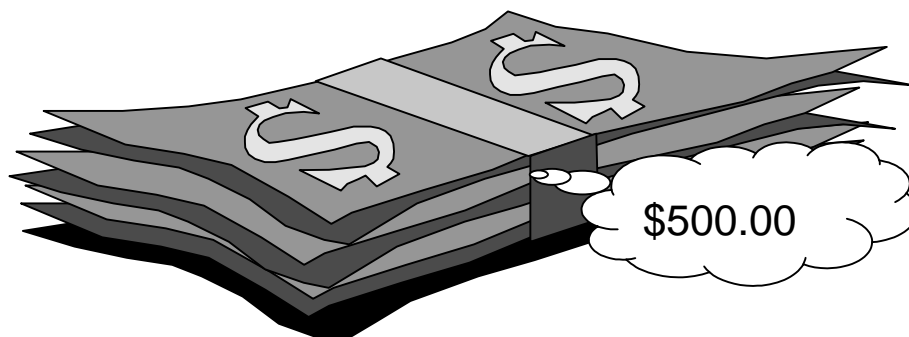
SPECIAL ANNOUNCEMENT

ARE WE ON YOUR EMAIL ADDRESS LIST?

IF NOT, PLEASE INCLUDE US AT OUR NEW EMAIL ADDRESS

Mflowers@mcasc.com

How would you like to win



IF SO, THEN MARK YOUR CALENDARS FOR THE...

13th Annual
MCASC Scholarship Tournament
Swatter-Snagger-Shagger Weekend
June 11, 12, 13 2004 - Santee - Ramada Inn

AGENDA

FRIDAY:

| | | |
|--|--|-------------------------|
| Check In - Ramada Inn | 10:00AM* - UNTIL | *Provided room is ready |
| GOLF: LAKE MARION (Play Your Own Ball) | 11:00 AM - Tee Times Begin (Tee Times Will Be Published) | |
| Hospitality Suite | 4:00PM - MIDNIGHT | Room 124 |
| Poker | IT'S YOUR DEAL | Room 220 |
| Beaufort Stew Dinner | 7:00PM | Hotel Pool Side |

SATURDAY:

| | | |
|--------------------------------------|-------------------------|-------------------------|
| Buffet Breakfast | 6:00AM - 9:00AM | Garden Dining Room |
| FISHING: BILLUPS LANDING | 5:30AM - UNTIL | |
| GOLF: SANTEE-COOPER COUNTRY CLUB | 11:00AM - SHOTGUN START | Captain's Choice Format |
| Hospitality Suite | 4:00PM - MIDNIGHT | Room 124 |
| Poker | IT'S YOUR DEAL | Room 220 |
| Swatter-Snagger Awards & Door Prizes | 6:30PM | Hotel Pool Side |
| Steak Dinner | 7:00PM | Hotel Pool Side |

SUNDAY:

| | | |
|------------------------|-----------------|--------------------|
| Buffet Breakfast | 6:00AM - 9:00AM | Garden Dining Room |
| Check Out - Ramada Inn | 12:00 NOON | |

\$500 Hole-In-One Contest

\$500 will be awarded for each hole-in-one made on Hole #8 (150 yds).

\$500 Angler Contest

\$500 will be awarded to the angler that captures the largest fish (weighed in ounces)
 IF their lucky number matches the winning number

13th Annual
 MCASC Scholarship Tournament
 Swatter-Snagger-Shagger Weekend
 June 11, 12, 13 2004
 Santee - Ramada Inn



REGISTRATION FORM AND INFORMATION

COST:

Swatter/Snagger - \$225.00/person (double occupancy)

Non-Sportster - \$100.00/person (double occupancy)

NOTES:

- Any singles add \$40.00
- Lounge cover charge waived with room key
- If you choose to go down on Thursday, there will be an additional room cost of \$51.66. Please indicate below so we can make the necessary accommodations.

Hole Sponsor - \$125.00

Boat Sponsor - \$125.00

****Make checks payable to: MCASC Scholarship Fund****

REGISTRATION DEADLINE: MAY 14, 2004

Below, indicate activities with a ✓ mark.

Complete registration form and fax to MCASC at (803)731-0390

| NAME: | HCP | HOTEL THURS. | GOLF FRI. | GOLF SAT. | FISH SAT. | NO SPORT | SPONSOR |
|-------|-----|--------------|-----------|-----------|-----------|----------|---------|
| 1. | | | | | | | |
| 2. | | | | | | | |
| 3. | | | | | | | |
| 4. | | | | | | | |

IMPORTANT NOTE: FRIDAY & SATURDAY, Pre-arranged foursomes will be accepted both days provided you have contacted the MCASC State Office & submitted your team by no later than May 14, 2004. If you do not pre-arrange your foursome, & would like to play with a particular individual, please note on form. Otherwise, the Golf Committee will assign teams.

Experience Las Vegas Like Never Before...

The 146th Mechanical Contractors Association of South Carolina Summer Convention 2004



The Venetian Resort - Hotel - Casino
Las Vegas, Nevada
July 22 - July 25, 2004

MCASC Registration Form

Please complete form by Friday, June 18, 2004 and fax to (803) 731-0390 or mail to Post Office Box 384, Columbia, SC 29202 or visit our website at www.mcasc.com

Please List Names of Attendees:

Name: _____ Name: _____

Name: _____ Name: _____

Name: _____ Name: _____

Name: _____ Name: _____

Company: _____

Address: _____

City/State/Zip: _____ Phone No.:() _____

Billing Information:

Please Invoice Company: _____ My Check Is Enclosed: _____

Hotel Information:

MCASC attendees will receive a group discounted suite rate of **\$149.00**

If reservations are made before **Friday, June 18th**

Reservations can be made after the deadline date at regular prices

Make Your Own Reservations By Calling: 1-888-283-6423 Or

Book Online At www.venetian.com/rmech (Be sure to ask for the Group Rate)

For more hotel information visit their website at www.venetian.com

Airline Ticket Information:

We have contracted with delta as the preferred carrier. Tickets purchased 60 days out will be discounted 10% off most fares. Tickets purchased within 60 days will be discounted 5% off most fares. For Discounted Airline Tickets Call Randy Moore at 1-800-849-2244, in Columbia at 798-8122 or you may email him at randy@travelunlimitedsc.com. If you book through other means, please be sure to use Delta File Code #204667A for your discount and to make sure the association is given credit for your travel. Prices are going up and availability is very limited. Don't Delay Book Today!

MCASC Convention Fees:

Cost: is \$375.00 per person, which includes the following:

Thursday, Friday & Saturday

Daily Social Gatherings at The Hospitality Suite: hors d' oeuvres and your favorite adult beverages. Daily Prizes Will Be Awarded. Don't Miss Out!

Friday

Educational Workshop Presented By: MCASC Legal Counsel, Dan Brailsford; Spouse Program; and Las Vegas Nights Dinner At Canaletto.

Saturday

Breakfast Meetings, and The High Rollers Reception and Dinner.

Optional Activities:

Golf: If a little time on the back nine suits your agenda just fine, the Golf Concierge will be happy to introduce you to the finest championship courses in the city, from the ruggedly tranquil Stallion Mountain to the Southern charms of Desert Pines or the glamour of playing The Strip's Bali Hai Golf Club.

Tennis: They can also make arrangements for you to check your net profits at one of the city's many popular tennis facilities.

Off-Property Excursions are also available to such breathtaking locations as Red Rock Canyon, Mt. Charleston, the Grand Canyon and Hoover Dam.

Canyon Ranch Spa Club: 65,000 Square Feet of pure indulgence, with two stories of fitness, relaxation, and treatments from the ahh-inspiring to the surprising. Other amenities include: 40-foot indoor rock climbing wall, Wellness Center, Balneotherapy, Body cocoons, Pilates studios, Indoor cycling gym, Full service salon, Canyon Ranch Café and over 120 services. Guests should make their own reservations for spa services. Prices vary.

Additional Activities:

Swimming Pools (Garden Rooftop)

The Grand Canal Shoppes (80)

Gondola Ride w/Singing Gondolier

The Guggenheim Hermitage Museum

16 World -Class Restaurants

And Much More

For Additional Information Call:

MCASC State Office At (803) 772-7834

NOTE: A full refund of MCASC Convention Registration Fees will be made on cancellations received prior to Friday, June 18, 2004. After that date, only 50% will be refunded up until Friday, July 2, 2004. Substitutions will be allowed.

Y our Presence and Presents

A re H ighly Sought A fter

Become a *S*ponsor for the MCASC 146th Semi-Annual Summer Convention The Venetian Resort - Hotel - Casino - Las Vegas, Nevada July 22-25, 2004

By becoming a sponsor, your presence will be seen and known to all members and associate members through our "tool box", upcoming meetings, convention materials and events. And your Presents will allow the MCASC Summer Convention one to be remembered. Don't miss this wonderful opportunity for you or your company to be promoted during the next several months.

DONT DELAY BECOME A SPONSOR TODAY!

Sponsorship Packages Include the following opportunities. Please choose the one(s) you wish to sponsor, complete the form and fax to Mona Flowers (803) 731-0390.

THURSDAY:

| | |
|-------------------|------------|
| Hospitality Suite | \$1,000.00 |
| Door Prizes | \$500.00 |

FRIDAY:

| | |
|--------------------------------------|------------|
| Seminars | \$1,500.00 |
| Spouse / Guest Brunch & Program | \$2,000.00 |
| Las Vegas Nights Drinks at Canaletto | \$1,200.00 |
| Las Vegas Nights Dinner at Canaletto | \$3,000.00 |
| Hospitality Suite | \$500.00 |
| Door Prizes | \$500.00 |

SATURDAY:

| | |
|---|------------|
| Associates Breakfast Meeting | \$500.00 |
| Past President's Breakfast Meeting | \$500.00 |
| Convention Attendees Breakfast | \$1,000.00 |
| High Rollers (Past President's) Reception | \$1,200.00 |
| High Rollers (Past President's) Dinner | \$5,000.00 |
| Awards | \$500.00 |
| Hospitality Suite | \$500.00 |

Yes, I Would Be Happy To Sponsor The _____

Please Invoice My Company For: \$ _____ **phone No.** _____

Company Name: _____

By: _____ **Date:** _____

Mechanical Contractors Association of South Carolina
Post Office Box 384, Columbia, SC 29202
Phone: (803) 772-7834 Fax: (803) 731-0390
Email: mcasc@bellsouth.net Website: www.mcasc.com

SIXTEENTH ANNUAL
GEORGE W. BRYCE, JR. MEMORIAL GOLF TOURNAMENT

THE SIXTEENTH ANNUAL GEORGE W. BRYCE, JR. MEMORIAL GOLF TOURNAMENT
WILL BE HELD ON TUESDAY, MAY 18, 2004 AT OAKDALE COUNTRY CLUB IN FLORENCE, SC.

TEE-OFF BREAKFAST AT 8:30 AM
SHOTGUN START AT 10:00 AM
NINETEENTH HOLE AND AWARDS AT COMPLETION OF PLAY

AWARDS, GOOD FOOD, GOOD FELLOWSHIP

WE WILL AGAIN THIS YEAR BE FORGOING DOOR PRIZES AND WILL MAKE A CONTRIBUTION TO THE MCASC SCHOLARSHIP FUND. LAST YEAR WE SENT THE ASSOCIATION A CHECK FOR \$1000 WHICH WAS TO BE EARMARKED FOR A TECHNICAL EDUCATION STUDENT IN ONE OF OUR TRADES AND WAS TO REMAIN IN THE PEE DEE AREA. WE WOULD CERTAINLY LIKE TO BE ABLE TO INCREASE THAT AMOUNT THIS YEAR.

PLEASE MAKE PLANS NOW TO ATTEND AND LET'S SWING THE CLUB FOR EDUCATION AND KEEP OUR TRADES ALIVE. PLEASE RETURN THE COMPLETED FORM AND FEE OF \$75.00 BY MAY 12, 2004 (Deadline Extended) TO:

PEE DEE AREA GOLF TOURNAMENT
P.O. BOX 311
FLORENCE, SC 29503

NAME: _____ HANDICAP _____

ADDRESS: _____

PHONE NUMBER _____

COMPANY _____

PLEASE ACCEPT OUR CHECK IN THE AMOUNT OF \$ _____ TOWARDS A GIFT TO THE SCHOLARSHIP FUND.

ONE ENTRY PER FORM. PLEASE DUPLICATE FORMS FOR ADDITIONAL PLAYERS FROM YOUR COMPANY. PLEASE BE SURE TO INCLUDE YOUR HANDICAP. ALL PLAYERS ARE ASKED TO CHECK IN AND PICK UP NAME TAGS BEFORE GOING TO THE DRIVING RANGE OR PUTTING GREEN.

LADIES ARE INVITED TO PLAY AND FOURSOMES WOULD BE APPRECIATED. IF YOU CHOOSE TO BRING YOUR OWN TEAM, PLEASE SUBMIT AN ENTRY FOR EACH PLAYER AND RETURN TOGETHER.

REMEMBER, ALL ENTRIES MUST BE RETURNED BY MAY 12, 2004 (Extended deadline)

THANKS,

DARLENE MCGEE
TOURNAMENT COORDINATOR

**Associate Member:
South Carolina Electric & Gas Co. (SCE&G)**

South Carolina Electric & Gas Co. provides electricity and natural gas to approximately 570,000 and 267,000 customers, respectively, in South Carolina. It is the largest subsidiary of SCANA Corporation, an energy-based holding company principally engaged, through subsidiaries, in electric and natural gas utility operations, telecommunications and other energy-related businesses.

SCE&G is currently boring underneath the Cooper River so that it can replace the existing transmission line attached to the Grace Memorial Bridge. This overhead line is currently not in service due to bridge construction.

The replacement cable begins at SCE&G's Charlotte St. substation in downtown Charleston and ends on Patriots Point in Mt. Pleasant. From there, overhead transmission lines will run to Coleman Blvd. to reconnect with an existing line. The cable will be installed by directional bore for a linear distance of approximately 7,000 feet and will be 60 to 80 feet under the contour of the bottom of the Cooper River. The project will be technologically unique because of the length of the bore, which will be one of the longest in the world.

Although underground cable is typically more costly than overhead, in this particular case, the cost for going underground was comparable to going overhead due to the extreme height requirements needed to provide clearance for the shipping channels in the Cooper River.

SCE&G is installing the cable by horizontal directional drilling, thereby minimizing environmental impact. All necessary permits were obtained from the Army Corps of Engineers and Office of Coastal Resource Management before any construction work could begin.

SCE&G Charleston, SC
Phone: (843) 576-8447 Fax: (843) 576-8897

Congratulations to our next Associate & Mechanical Members who will be highlighted in the upcoming issue of "The Tool Box":

W. B. Guimarin & Co., Inc. — Columbia
Bernoulli Insulation — Greenville

MAY-SEPTEMBER 2004 MONTHLY AREA MEETINGS

PIEDMONT AREA

Tuesday, May 11, 2004 @ 6:00 PM
Location: Phoenix Inn, 246 N. Pleasantburg Dr., Greenville
Sponsored By: Easley Mechanical

Topic: Bill Caldwell of Waldrop Heating & Air Conditioning to Present a Program On "Staying the Course"

PEE DEE AREA

Thursday, May 20, 2004 @ 6:30 PM
Location: ESAB Cabin, 411 S. Ebenezer Road, Florence
Sponsored By: Eastern Industrial Supplies, Cayce Company & Mueller Industries

Topic: Jamie Roberts of Mueller Industries to Present a Program on "The Copper Market"

COASTAL AREA

Tuesday, May 25, 2004 6:00 PM
Location: 3674 Old Charleston Road, Johns Island
Sponsored By: Triad Mechanical

Topic: Carol Lloyd, Southern Division Facilities Management Div Director to Present a Program on "Navy Construction and Source Selection"

MIDLANDS AREA

Thursday, September 2, 2004 6:00 PM
Location: Millcreek Hunt Club, Bluff Road
Sponsored By: Control Management, Inc.

Topic: Legislators to Speak on Pending Legislation As It Relates To Our Industry



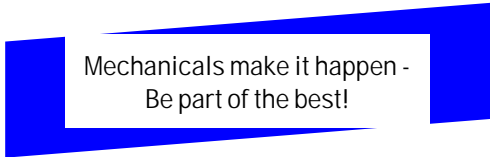
P.O. Box 384, 29202
 1504 Morninghill Drive, 29210
 Columbia, SC
 Phone: (803) 772-7834
 Fax: (803) 731-0390
 E-mail: mcasc@bellsouth.net
 www.mcasc.com

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*Serving mechanical contractors in
 South Carolina since 1912.*

MCASC Executive Board & Staff

- Tommy Burkett, President
- Ned Forsberg, Vice-President
- Darlene McGee, Treasurer
- John Minor, Secretary
- Billy Starrett, Associate President
- Mona Flowers, Managing Director
- Carol Fore, Administrative Assistant



Language Barriers on Construction Site Easily Overcome (Continued from Page 1)

and use Hispanics, the challenge is exacerbated as a result of the language barrier and cultural differences.

Reprinted with permission from January 12-25, 2004 edition of Charleston Regional Business Journal/Real Estate & Construction. Lawyer, mediator, author, consultant and educator Tom Frisby has managed Charleston-based construction-consulting firm Frisby Consulting for 40 years. He can be reached at thomasfrisby@msn.com.

MCASC 2004 FALL COURSE INFORMATION

| <u>Course Title</u> | <u>Date</u> |
|--|---------------------|
| Hydronic Systems One | August 18 |
| Hydronic Systems Two | September 15 |
| Steam Systems | October 13 |
| Measuring & Maximizing Employee Productivity | November 3 |
| Cooling Tower & Chiller Plant Piping Systems | November 17 |
| The 3 Things Contractors Must Do To Succeed & 101 Ways To Do Them | December 8 |

Contact the MCASC State Office for a registration form by calling 803-772-7834, email: mflowers@mcasc.com or fax: 803-731-0390.