



The Dewpoint

June 2001
Volume 4, Issue 10

A monthly publication of the
Central Florida Chapter
of the American Society of Heating,
Refrigeration, and Air Conditioning
Engineers, Inc.

www.ashrae-cfl.org

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Chapter Executive, Board of
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PLEASE NOTE:

Our meeting times are different this month that they have been in the past!

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Central Florida Chapter of ASHRAE
2000 Parks Oaks Avenue
Orlando, FL 3280

June Program

Orange County Convention Center Update

TUESDAY JUNE 12th

LEE'S LAKESIDE

431 East Central Boulevard
Corner of Central and Osceola
(407) 841-1565

For reservations, please e-mail Kelley Alderman at kmalderman@aol.com.

Cost is \$20 in advance (before the preceding Friday please!), \$25 at the door. Social starts at 5:30 pm, Main Presentation at 6:30pm, Dinner at 7:30 pm, and Tech Topic at 8:30 pm.

June Social

By tradition, our June meeting is a social and in keeping with that custom, please bring your spouse and/or significant other to our next meeting. Everyone will enjoy our presentation topic this month. We will also have the pleasure of the members of ABC joining us. It should prove to be a real treat for everyone.

Our Presentation

Our presentation topic will be the expansion to the Orange County Convention Center. Mr. Tom Ackert, Executive Director of the Orange County Convention Center, will discuss the current expansion efforts and planned future growth. He will discuss the vision of the OCCC and the business OCCC hopes to attract with the expansion. He'll also talk about the impact the expansion is having on the International Drive area and solutions proposed to accommodate these changes.

Mr. Ackert's presentation will be a look into the future of the Central Florida business and tourist industry. It will be an informative look into our future at the way the I-Drive area will look and cater to visitors in just a few short years. Please don't miss this opportunity to share in Orlando's future growth plans and to see one of the country's largest building expansion projects unfold before your eyes.

Tech Topic

Mr. Peter McDonnell of TLC will present our technical topic. His presentation will focus on the new district cooling loop being designed and constructed for the Orange County Convention Center expansion.

Please Note:

Our presentation precedes dinner:

- 4:30 Board of Governor's Meeting
- 5:30 Social Hour
- 6:30 Main Presentation
- 7:30 Dinner
- 8:30 Tech Topic

President's Message

Michael Sheerin, PE

ASHRAE/ASPE Product Show

The huge ASHRAE/ASPE Product Show at the Central Florida Fairground took the place of our regular monthly meeting last month and was a great event. Honorable mentions go to Scott Yates of Symmons Industries, the ASPE designate and lead organizer, and Dale Peterson of TLC, the ASPE Central Florida Chapter President, for successfully bringing both the people and the technology together for this biannual event. Special thanks also to the volunteers that helped in so many ways and to the exhibitors, whose time,

energy, and labor made the show possible. Many of the exhibitors also provided outstanding door prizes, and if you missed out you really need to remember two years from now to stick around to the end of the show and give yourself a chance.

June Social

The June meeting will be a departure from our regular meeting format. We will be start early; have a "big picture" presentation about the convention center and I-Drive developments by THE Central Florida convention center guy, Mr. Tom Ackert. Then we'll break bread with our contractor friends from the ABC. Dinner will be followed by a technical presentation on the Orlando Utilities Commission chilled water loop that is being developed to support the I-Drive growth. We look forward to fun-filled evening jammed with activity – we hope you come out to join us.

ASHRAE Summer

June will be our last meeting of this ASHRAE year. Though it may seem quiet during the summer months, the chapter chairpersons and leaders are reporting this year's activities to ASHRAE national headquarters via a web-based system, attending a Regional conference (early August in Miami), and busily planning the many meetings and events to occur from September 2001 to next June 2002. If you think that's a lot of work for a summer, you're right!

Looking to next year...

We value input from our membership, and would ask that if you have thoughts and ideas about activities, speakers, or any other feature of our ASHRAE chapter activities - please share them. If you have time to spend supporting this chapter with your talents and energies, please contact Traci Just or Michael Sheerin. Thank you for making our Chapter a strong performer - we appreciate the enthusiasm, high-level participation and willingness to get involved.

Blatant commercial message in support of ASHRAE Research

Before you head off on that summer vacation, please do not forget to send in your check to ASHRAE Research. Better yet, encourage your boss to send one to match it or double it. Research continues to make this organization the standard of our industry and an important resource to our work. Please support ASHRAE Research!

Have a safe and enjoyable summer.

Membership

Kenneth White

Great year for Central Florida

We have enjoyed tremendous growth this year in membership in the Central Florida chapter. Through March, we have gained 29 new members and 21 new student members. Thanks to everyone who has been instrumental in recruiting new members this year.

Below are the names of some of our newest members - please thank them for joining ASHRAE:

- Bill Januska*
- Andres Montes*
- Randall Weir – Aqua Air Products*
- Stacy Matin*
- Jason Terrell – Carrier Corporation*
- Robert Wallace – Commercial Products*
- Bill Carlock – Engineered Air*
- Edward Deesi*

Outstanding Dues!

Anyone who hasn't paid their dues for 2000-2001, please get out the invoice, pull out the pen and checkbook, write that check and get it in the mail! Remember, the revenues that dues generate provide the monthly journal, the annual handbook, help develop the standards that govern our industry, fund research, and provide support to our local chapter.

Update your ASHRAE record

If you have recently changed employers, moved your home or business, or are not certain that you are current with your dues, please call Society membership at 800-5ASHRAE (527-4723) and get your record. For membership information and applications, please contact Kenneth White, kenneth.white@carrier.utc.com or at (407) 532-7060.

Research Promotion Needs Your Help to Reach Goal in Central Florida

Don Bailey, PE

With only a few weeks left in the current Research Promotion campaign for this year, the Central Florida Chapter needs your support to reach its goal of raising over \$20,000 to help ASHRAE with its Research. If each member gave \$50, we could exceed our goal this year!

Spring Golf Outing

This past April at Rock Springs Ridge, our Spring Tournament raised \$1,900 - thanks to our Hole Sponsors:

- Tom Barrow Company*
- ENCOMPASS-MSI*
- Cunningham Sales, Inc.*
- Carrier Corporation*
- Trane Company*
- Mason Industries, Inc.*
- Roof Products & Systems Corp.*
- Comprehensive Energy Services, Inc.*
- Randall Mechanical, Inc.*
- York International Corporation*
- Normax Mechanical*
- Florida Hydronics*
- T.H. Brooks & Associates, Inc.*
- Test & Balance Corporation of Orlando*
- Rogers, Lovelock & Fritz*
- Stan Weaver Company*
- Engineered Air*
- Tilden, Lobnitz, & Cooper*
- CommAir Southeast*

Individual and Corporate Contributors

Secondly, Central Florida has already raised over \$6,100 this year with the help of the following generous contributors:

MAJOR INVESTORS
(\$500 or more)

William M. Dillard
GRG Vanderweil Engineers

HONOR ROLL

(Corporate contribution of \$150 or more or Individual Contribution of \$100 or more)

Don C. Bailey
Harper Mechanical Corporation
Paul Halyard
Kenneth Eiermann
Celsius Contractors, Inc.
Dennis Brabec
Michael Patrick Sheerin
Bernie D. Abel
Paul Winslow
Firouz Keikavousi
Cunningham Sales Inc
Nelson Long
Christopher S. Bradford
Robert D. McClure
Traci Just
William D. Leaton
Jerry E. Townsend
Daniel Alec Cross
Brian Cumming & Associates
Stephen E. Frazier
Wiley M. Cauthen
John D. Simonds
Donia C. Bessa

OTHER CONTRIBUTORS:

Ernest N. Hellberg
Erwin G. Hansen
Grady Mechanical
Richard W. VanHorn
S&R Sales Incorporated
Larry E. Fairbrother

(Please report any additions or corrections to Don Bailey.)

Fall Golf Tournament

The proceeds from the fall golf outing held raised over \$1,900 (beyond expenses incurred) -thanks to the generous contributions of our Hole Sponsors.

Member Contributions

We encourage all local members to consider contributing to ASHRAE Research this year through our spring campaign. The Society and Chapter has mailed out invoices to each member who has supported ASHRAE Research in the past to encourage them to make a generous contribution this year. You should have been individually contacted by now to encourage your continued participation in ASHRAE Research.

Success to date:

As of May 1, the chapter has already reached 51% of its High Five Goal of \$20,661 for this year. This goal is an increase of 5% over last year's results and represents an average contribution of \$52 per member of the Chapter.

Please consider giving generously to ASHRAE Research this year – and thanks for your continued support.

Newsletter Notes

Tim Willings, PE

Thank you to our sponsors

Special thanks to our newsletter sponsors for making the distribution of our monthly *Dewpoint* possible.

Publication Deadline – Next Year

This will be the last issue of the *Dewpoint* for this year. The next issue of the *Dewpoint* will not go to press until mid-August. Please have material for consideration submitted on or before August 16th for our first monthly newsletter next year. Please submit material to: willingst@mindspring.com

Product Directory

Gary Carver, PE

Each year ASHRAE publishes a regional product directory that identifies vendors, distributors, product representatives and consultants local to the Central Florida area. If you or the firm you represent would want to be included in next year's Directory, please act now, as next year's directory will be compiled in the next three months.

Next Year's Directory

It is our goal to have the 2001-2002 Product Directory ready for our September meeting. Please take this year's directory and mark up your respective pages and snail mail the markups to:

Gary Carver, P.E.
5259 Jennifer Place
Orlando, FL 32808
Alternatively, fax to: (407) 246-1664

If you have not already paid for this year's Directory, please send your check to the above address.

Additional copies of the 2001 Product Directory are still available. If you would be interested in obtaining additional copies, please contact Gary Carver directly.

Thank you!

Gary Carver, PE

One final note: Michael has done an outstanding job this year - and a vote of thanks to the rest of this year's Chapter Executive and Committee Members. Well done! When next you see Michael or any officer/committee member, please express your appreciation for their hard work!

Employment Opportunities

Comprehensive Energy Services, Inc.

www.cesmechanical.com

CES is a nationally recognized award winning Design-Build-Maintain Mechanical Contractor for the commercial, industrial, institutional and entertainment industry in Central Florida. CES's specialty niche *attraction work* has gained national recognition for their award winning design-build HVAC, plumbing and special effects on the *Terminator 2-3D* and *Twister* at Universal Studios, and *Titanic-Ship of Dreams*. CES also specializes in building retrofits and renovations, energy upgrades, tenant finish, HVAC and plumbing service and maintenance, energy management and building automation, IAQ/IEQ analysis and remediation.

CES, founded in 1992, currently has over 80 employees and continues to grow at 25% per year. We offer an attractive compensation and benefits package with opportunity for growth and advancement. Join our award winning team.

Current Career Opportunities:

- **Design-Build Project Manager**
- **HVAC Service Sales Rep**
- **Estimator** (Quickpen experience preferred)

Email your resume in confidence to: toddm@cesmechanical.com. You may call us at (407) 682-1313 or fax (407) 682-5166.

EOE

BRPH Architects – Engineers, Inc.

www.brph.com

An employee owned company, BRPH's headquarters office is located in Melbourne (Brevard County), Florida, with its clean beaches, friendly people, and year-round recreational facilities.

Regional offices are in both Orlando and West Palm Beach, Florida. Orlando is the entertainment capital of the state with a variety of single family and multiple family housing options, an outstanding schools system, easy access to all area amusement parks and a one-hour drive to the beaches. West Palm Beach is the northernmost area of southern Florida with warm ocean breezes and a growing downtown with a mix of old city charm and modern convenience.

Our growth is ongoing and we have challenging career opportunities in each of our offices in each specialization. Following are selected available positions in our Melbourne, FL location.

Mechanical Engineer

BSME and minimum of five years experience in design and documents preparation for HVAC and Plumbing building systems for governmental, educational, commercial, industrial or aerospace projects. Will require use of advanced techniques and extension of theories, principles and practices of mechanical engineering. Requires professional engineering registration or eligibility for professional engineering registration. Must be proficient in personal computers. Must also have experience in use of Carrier, HAP, EII, or Trane Trace software programs. Additional experience in Cyrogenics would be beneficial.

Fire Protection Engineer

A minimum of BSME/BSFPE with six years experience in design of Fire Protection systems including hydraulic calculations, drawings and specifications for commercial, institutional and industrial building facilities. Professional registration is required. Must have specific experience with "HASS" or equivalent software. Requires certification as a Fire Protection Engineer in Florida or eligibility for certification.

If you would want to be considered for one of these positions, or if you would like to submit your resume for future consideration, you may send it by e-mail to skj@brph.com.

Florida Power Corp.

Senior Engineer,

Demand Side Management (DSM), Program Development & Administration Winter Park, FL

Job Overview:

This position is responsible for developing, evaluating and maintaining a cost-effective DSM program. Provides energy and demand impact evaluation studies to verify program effects, and develops cost-effectiveness analysis to support integrated resource planning. Responsibilities include developing and applying engineering/statistical models to measure program impacts and maintain compliance with the DSM plan, establishing goals and objectives and identifying appropriate evaluation methodology. Incumbent is responsible for planning R & D projects and related activities, selecting appropriate customer samples and sample sizes, managing equipment installations, collecting and analyzing data, reporting results and implementation.

Incumbent will also coordinate project management of outside consultants including soliciting bids by writing and distributing a Request for Proposal (RFP) and managing a project through to completion.

Must perform customer segmentation studies and analysis of customer whole premise and end-use load shapes to

support new program development and modification of existing programs.

Minimum requirements:

Four-year engineering degree with six years job related experience. Post bachelor's degree in business or economics preferred. Project management experience and a working knowledge of statistical-based evaluation methods and/or building energy simulation models such as DOE-2, ESPRE, etc. Knowledgeable of renewable energy resources and distributed generation is a plus. Working knowledge of integrated resource planning and related regulatory activities. Excellent computer skills with proficiency in Word and Excel. Must possess strong organizational abilities and excellent written and oral communication skills.

Nat Lewis, Custom Markets
Phone: (407) 621-8703

Please email responses to:
m-lynn.goldrick@pgnmail.com
When responding, please reference Req. No. 3149. Please view position details:
www.fpc.com/flpower/employ.htm#3149

Hanson Engineers Incorporated

www.hansonengineers.com

HANSON ENGINEERS INCORPORATED is a national engineering, architectural and scientific firm with 15 offices and over 350 employees nationwide. HANSON was founded in 1954, and has been ranked in the ENR's ranking of Top 500 design firms for 12 years running (last ranking #214). HANSON is offering unique opportunities for qualified mechanical professionals in its Orlando regional office. Candidates should have experience in the analysis, design, construction and commissioning of HVAC systems in industrial, educational, institutional, government and commercial facilities. Experience in plumbing and fire protection systems is also preferred.

Mechanical Design Engineer:

Successful candidates will provide analysis and design services, and perform construction observation. Requires a BSME and minimum of 2 years' applicable experience. Proficiency in Microsoft Office and AutoCAD is required. EIT preferred.

Mechanical Senior Designer:

Successful candidates will provide analysis and design services, and perform construction observation. Requires 6 to 10 years' applicable experience. Proficiency in Microsoft Office and AutoCAD is required.

HANSON is an employee owned company. We offer an outstanding benefits package including premium overtime pay, free family medical insurance, 401K with matching contribution, and employee stock ownership plan.

Send resumes in confidence to: Hanson Engineers Incorporated, 720 N. Maitland Avenue, Suite 102, Maitland, FL 32751, Attn: Mechanical Manager. Or fax to: (407) 622-2051. Or e-mail to: mhartley@hansonengineers.com.

EOE

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ADDRESS CORRECTION REQUESTED

