

# PYRAMID PRESS

ASHRAE – Memphis Chapter  
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April, 2005

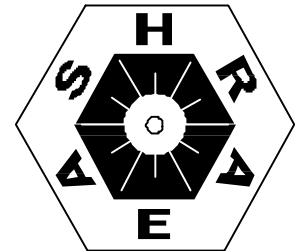
**LUNCH MEETING 11:30 TUESDAY,  
APRIL 12, 2005, MONTESI  
CONFERENCE, CHRISTIAN  
BROTHERS UNIVERSITY  
(Building 5 -see map attached)**

## **VRTX CHEMICAL-FREE TREATMENT SYSTEM FOR PROCESS COOLING TOWER AND CONDENSER WATER HVAC INSTALLATIONS**

By: Gene Dedick, Vice President of VRTX

Gene Dedick, Vice President of VRTX Technologies based in San Antonio, TX will be discussing the VRTX chemical free water treatment system. The chemical-free water treatment for cooling towers offers continuous control of calcium, biofouling and corrosion using kinetic energy. Gene has over 15 years work experience in the Chemical Treatment industry including several years with GE-Betz.

Please visit the web site [www.vrtx-technologies.com](http://www.vrtx-technologies.com) for more information



## **Memphis Chapter Contacts**

### **PRESIDENT:**

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### **TREASURER:**

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## THE PRESIDENT'S CORNER

I've decided to use my space in the "President's Column" this month to pass along an article from the March-April 2005 issue of *Thompson Engineers Today*." I ran up against just the problem described in the article on a project just this month. This will make you long for the soon-to-be "good ole days" of ASHRAE 62-1989. The article is used with permission of the authors. Make sure to come to the meeting on the 12<sup>th</sup> to support ASHRAE Research, participate in the Chapter Elections, and present the Student Chapter with their ASHRAE banner.

### **New Code Falls Short on Ventilation**

The long awaited and much anticipated adoption of the 2003 International Mechanical Code (IMC) is imminent, according to Thompson Engineers Today sources in the Shelby County Government. The 2003 IMC is already in force in many areas as near by as DeSoto County just across the state line in Mississippi. Arkansas' state mechanical code is basically the IMC in another cover.

A member of the design staff at Thompson Engineers, Inc. told Thompson Engineers Today that the 2003 IMC "falls short in the area of ventilation requirements for commercial buildings." Specifically, the 2003 IMC is considered to be inadequate in:

### **Control Options;**

2003 IMC contains no provision to allow outdoor air flow rate to be varied based upon the buildup of contaminants in the space. This has typically been done under the ASHRAE 62-based Standard Mechanical Code (SMC) with motorized dampers and VOC or CO<sub>2</sub> sensors.

### **Consideration of Intermittent Occupancy;**

2003 IMC contains no provision to lower outdoor flow rates based upon intermittent occupancy. The ASHRAE-based SMC allows outdoor air flow rates

## PRES. CORNER (CONT.)

to be reduced if the maximum occupancy of a space is going to be three hours or less. Engineers have found that following the 2003 IMC has caused assembly occupancy cooling loads to double due to the outdoor air!

### **And Options for Air Cleaning;**

2003 IMC contains no information defining just what "clean" air is. There is, therefore no opportunity for the engineer to apply filtration or any other means to lower the outdoor air flow rate by removing the contaminants from re-circulated air.

Everyone involved in engineering, architecture and construction needs to make himself aware of the new Code. It will no longer be business as usual, or "that's way I've always done it." There is a new set of rules on the way.

Thanks,

Jeff Gatlin



## FUTURE PROGRAMS

### April 12, 2005

- **11:30 a.m. – 1:00 p.m. Chapter Meeting** – “VRTX Chemical Free Water Treatment System”
- Location: CBU, Montesi Conference Center

### May 10, 2005

- **11:30 a.m. – 1:00 p.m. Chapter Meeting** – “Proper Treatment of Outside Air” – Nick DesChamps
- Location: CBU, Montesi Conference Center

## MEMBER NOTICES

### Fed Ex Forum Tour:

A tour of the Fed Ex Froum will be conducted by one of the facility engineers and will focus on the facility infrastructure (specifically the mechanical systems). It is not the generic tour offered to the general public but rather a engineering focused tour. This event was primarily set up for the University of Memphis student chapter, but we are opening the invite list to the entire chapter. Cost per person will be \$4. Please have all those who wish to attend send an e-mail to [russ@computerenvironment.com](mailto:russ@computerenvironment.com) BY FRIDAY APRIL 18.

Thanks!

Russ Fletcher  
Student Activities Chair

The CBU mechanical engineering faculty has selected Amanda Alsbrook as our outstanding junior.

Joe Londino

## HISTORIAN CONTINUED

Walker-J-Walker, Inc. was established in 1945 DBA Walker Heating Company by Grover L. Walker, Jr. and John P. Walker Sr. What began as a small company working mainly on coal furnaces has evolved into a multi-million dollar business by servicing and installing state of the art HVAC systems. Our areas of specialty include, but are not limited to, heating, air conditioning, ventilation, sheet metal work, piping and energy management for commercial installations. We are excited to be celebrating our 60<sup>th</sup> anniversary this year.

Walker-J-Walker, Inc. is now in its third generation of management. Serving as President is Grover L. Walker, III, also know as Lee. Lee received a Bachelor of Business Administration from Memphis State University in 1972. He has been with the company since 1970. Lee has served as local SMACNA president 3 years and chairman of the SMACNA National Codes Committee. Serving as it's CEO is John P. Walker, Jr. John received a Bachelor of Business Administration from the University of Tennessee in 1970. John served in the military for two years before joining Walker-J-Walker, Inc. John has served as MMCA president for two years. Joining Lee and Johnny are Mike Walker, University of Tennessee 1983. Lee Walker, IV, University of Mississippi 1998. Tish Walker Bartlett, University of Missouri 1992.

In 1975 we established a full line service department, and at this time the service department runs 45 technicians, with someone on standby 24 hours a day. Brad Bartlett, University of Missouri 1992, is our Vice-President of service operations.

In 1980 Walker-J-Walker, Inc. established a controls department. The manager of this department is Clint Fuel. We have been a Novar dealer since 1985 and presently a Novar Technology Center serving the Mid-South area. We service all makes of DDC control systems including Trane and Honeywell.

Woody Martin, PE, University of Mississippi (BBA 1993), University of Memphis (BSME 1996) recently joined our firm and we are extremely glad to have him on our team helping in our design-build effort.

## ASHRAE 2004-05 Committee Assignments

### Student Activities Committee

Russ Fletcher, Chair  
John Colmer, Chapter Secretary  
Mike Allison  
Joe Londino, CBU  
Bill Janna, UofM  
Teresa Boyd  
Steve Carney  
Charlie Garrett  
Jeff Kauerz  
Albert Miller  
Ralph Phillipy  
Mike Walls

### Chapter Programs Committee

Stephanie Cianciola, Chapter Vice President and CTT Chair  
Gary Whittam,  
Ricky Bursi  
Sean Davis  
Larry Vescovo  
Keith Duncan  
Charles Black  
Jim Comella  
Preston Hall  
John Kiersky  
Dave Miller  
Eric Pike  
Don Warren

### Membership Promotion Committee

Jason Snyder, Chair  
Calvin Williams  
Lecia Martin, Women and Minority Engineer Recruiting  
Evans Jack, President-Elect  
Phil Sawaya, Engineer Recruiting  
Jim Hellums, Facility Engineer and Maintenance Recruiting  
F.P. Hughes, Contractor Recruiting  
David Bradford  
Lee Dowden  
Jim Higgins  
Jack Knight  
Matt Miller  
Michael Pitoniak  
Terry Warren

### Technical, Energy and Governmental Activities Committee

Stephanie Cianciola, Chapter Vice President and CTT Chair  
J.R. Anderson  
Tim Schaffler  
Guy Zebrick  
V.T. Gala  
Thomas Blackwell  
Greg Brown  
Randy Cagle  
Gary Comella  
Lee Gavin  
Jeff Haltom  
Dan Kohr  
Earl Miller  
Phil Shokouhi  
Marty Waung

#### Attendance Committee

Jimmy Doyle, At-Large Board Member  
Brent Wiseman, At-Large Board Member and Chair  
Jeremy Harris  
Dave Edwards  
Jon Foshee  
Jim Bruther  
Chip Cayce  
Billy Dunbar  
Bill Ginalick  
Mike Hill  
Frank Lawrence  
Tom Montoya  
Doug Simmons  
Greg Weaver

#### Honors and Awards Committee

Marty Harrington, Chair  
Ken Jack, Chapter Memorials  
Joe Brackett  
David Collier  
Jim Ham  
Jerry Lee  
Jim Morgan  
David Smith  
Paul White

#### Resource Promotion Committee

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Brian Schaffler  
Ron Thompson (TEI)  
Ron Thompson (TRO)  
Bob Buckmaster  
Benjamin McKinnie  
James Bernardi  
Roger Buckmaster  
Bill Copeland  
Charles Dunn  
William Hollinger  
Rusty Luloff  
Lee Morgan  
Fred Smithwick  
Hamp Williams

#### Reception Committee

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Davie Lloyd, Vice-Keeper of Nametags  
Steve Dunlap  
Terry Mynatt  
Wendell McAlexander  
Mitchell Bell  
Jim Corzine  
Monte Gist  
Frank Madlinger  
Jason Needham  
Buddy Soefker  
Robert Wilson

#### Historical Committee

Bill Jason, 50 Year Member and Chair  
Roger Buckmaster, 50 Year Member  
Jim Coleman, 50 Year Member

Griff Burr  
Gil Avery  
C.B. Barnett  
Shane Chapman  
Jerry Edwards  
Barry Hay  
Lance Hornsby  
Woody Martin  
Walter Nelms  
Margaret Stanek  
Stan Wilson

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Laura Campbell  
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Frank Krouse  
Joe Thomas  
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Jeff Crabtree  
Todd Glenn  
Jeff Maynard  
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Walter Blalock  
Jason Snyder  
Robert Lawson  
Steve Stephens  
Christopher Armstrong  
Steve Burkhalter  
Ed Charlton  
Brian Dougan  
Chris Ewing  
Mike Heidenreich  
Claude McAtee  
Joe O'Brien  
Shane Sullivan  
Steve Wood

**Nominating Committee – Committee Chair to be selected by Committee Members**

Charlie Schaffler  
David George  
Bob Colmer  
Jerry Gatlin  
Bill Cain  
John Crenshaw  
Gary Gorham  
John Hostetler  
William McCoy  
Bernard Owens  
Matt Swain

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Chuck Royer, Webmaster  
Mike Bilderbeck, Newsletter Columnist  
Jackie Anderson  
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Mike Bilderbeck, Newsletter Columnist  
Robert Chilcutt  
Chuck Fant  
Joe Herin  
Danny McKee  
Thom Perhac  
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Greg Norris  
David Bradford  
Billy Sudekum  
Russell Culley  
Bruce Fisackerly  
Mike Graham  
Ralph Hughes  
John McKissack  
Dan Peterson  
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Roger Dacus  
Walt Green  
Smokey McMillian  
Chris Petrick  
Johnny Walker

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Chip Bilbrey  
Becky Garland  
Ryan Hertter  
John Jerkins  
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Richard Petty  
Jon Wallace