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ASHRAE – Memphis Chapter
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November, 2003

LUNCH MEETING 11:30 TUESDAY,
NOVEMBER 11, 2003, MONTESI
EXECUTIVE CENTER in BUCKMAN
HALL ON THE CBU CAMPUS (see map
attached)

THIS MONTH'S SPEAKER:

Steve Dunlap with Thomas & Betts

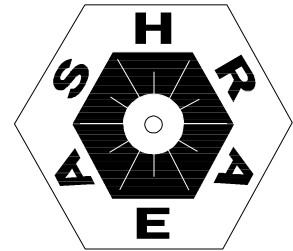
TOPIC: 100% outside air treatment with unitary packaged rooftops

The presentation would discuss reheat types refrigerant reclaim types, modulating and free- reheat, compliance with ASHRAE 90.1, Metrologies for introducing outside air into the space and current design trends.

Steve has over 25 years in the HVAC Industry including 4 years in the AC industry, 5 years in the product design and development of Air conditioning systems including transportation and commercial buildings. Furthermore, he had the role of applications engineer for seven years with the Trane Company then the role of consulting Engineer for 3 years in Nashville (Duff/Brown Eng). From there he took his current position as an Engineering Manager for the past 7 years in the design of custom penthouse equipment and specialty ventilation equipment for Reznor a division of Thomas & Betts.

Education: - BSME Univ. of Ala. (B'ham)
- BSBA J'ville University, Jacksonville, Ala.

Professional:
Registered Engineer in Tennessee
ASHRAE Member



Memphis Chapter Contacts

PRESIDENT:

Chris Claude: 435-6000
Fax: 345-2803

PRESIDENT ELECT:

Jeff Gatlin: 452-2500
Fax: 452-2530

V. PRES, - PROGRAMS

Gary Whittam: 432-3318
Fax: 396-4864

SECRETARY:

Stephanie Cianciola: 820-0820
Fax: 683-1001

TREASURER:

James Prillaman: 452-6283
Fax 458-9640

MEMBERSHIP:

Calvin Williams: 342-8201
Fax:

NEWSLETTER:

Denver Glazier: 432-3348
Fax: 396-4864



THE PRESIDENT'S CORNER

To: ASHRAE Members

Well, this is our last standard lunch meeting of 2003. We are working hard to plan an exciting Christmas Party for next month. Information will follow soon with specific details. Also, despite Mother Nature trying to dampen our spirits, the ASHRAE Memphis Chapter Larry Mallery Memorial Golf Tournament took place last month. The tournament was a great success as we had more teams than we ever had before. I would like to send a special thanks to Jimmy Doyle, David Branch and Rodney Lum for all their hard work organizing and running the tournament.

We also had our yearly visit from Region VII at our meeting last month. John Richardson, RVC Student Activities, was at our meeting and sat down with the Board of Governors following the presentation. John had nothing but good things to say about our chapter and even had some good ideas on how we can improve.

This month we will be recognizing our donors from 2002-2003. There will be 29 different individuals and firms recognized. Please let me be the first to thank you for your continued support of ASHRAE. Be prepared with your checkbook, as Brian Schaffler, our Resource Promotion Chair, will be contacting everyone about donations for this year. Why don't we see if we can eclipse what we raised last year?

Finally, Gary Whittam has secured speakers for all our meetings for this Society year. I am sure Gary along with all of us on the Board appreciates everyone who helped with putting him in contact with interesting and appropriate speakers.

I look forward to seeing you at the meeting Tuesday!

Chris Claude
President 2003-2004

FUTURE PROGRAMS

November 11, 2003

- **11:30 a.m. – 1:00 p.m. Chapter Meeting** – “100% outside air treatment with unitary packaged rooftops” – Steve Dunlap with Thomas & Betts – 1 PDH
- Location: Christian Brothers University, Buckman Hall Montesi

December 09, 2003

- **Evening - Holiday Program** – Details to follow

January 13, 2004 (Research Promotion Day)

- **11:30 a.m. – 1:00 p.m. Chapter Meeting** – “ASHRAE 90.1, Effects on Chilled Water System Design” – Julian R de Bullet, **Distinguished Lecturer**, McQuay International – 1 PDH
- Location: Christian Brothers University, Buckman Hall Montesi

February 10, 2004

- **11:30 a.m. – 1:00 p.m. Chapter Meeting** – “Negotiating Skills” This program focuses on basic negotiating skills and how they can be applied to dealings with clients, customers and code officials – Maralynne Flehner, **Distinguished Lecturer** – 1 PDH
- Location: Christian Brothers University, Thomas Center East Lounge**
- ** Note: Location of this meeting has changed from the Buckman Hall Montesi to Thomas Center East Lounge

March 9, 2004

- **11:30 a.m. – 1:00 p.m. Chapter Meeting** – “International Building Code 2000 – What it means to HVAC design” The state of Tennessee has adopted IBC200 and counties are expected to adopt within 1 year – Kinetics Noise Control – 1 PDH
- Location: Christian Brothers University, Buckman Hall Montesi

Apr 13, 2004 ASHRAE Memphis' 60th Anniversary

- **11:30 a.m. – 1:00 p.m. Chapter Meeting** – “Controls for the Future – Integration/Protocol/Web-access” – Johnson Controls – 1 PDH
- Location: Christian Brothers University, Thomas Center East Lounge**



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FUTURE PROGRAMS

May 11, 2004

- 11:30 a.m. – 1:00 p.m. *Chapter Meeting* – 1 PDH
Location: Christian Brothers University, Buckman Hall Montesi

HISTORIAN

SEE ATTACHED DOCUMENT

1915 to Present

In early 1915, Major Thomas H. Allen, a graduate of the University of Tennessee, opened the consulting engineering firm, Thomas H. Allen, Consulting Engineer, in downtown Memphis, Tennessee. Robert H. Hoshall joined this firm in 1920 and became a partner in 1924.

Much of the firm's early work was in the design of mechanical and electrical systems for buildings in Memphis. However, the 1920's saw the engineering practice move into the public works arena, and the firm became a regional engineering firm. It was during these years that many municipalities surrounding Memphis became clients. Design of their water, sewer and street systems make up the early public work projects of the firm.

The firm grew in the early 1930's with the increase in the public works projects. In 1935, the establishment of the Rural Electrification and the REA further expanded the company's field of service. During this period, Thomas H. Allen, Consulting Engineer became engineer for numerous municipal electric systems and rural electric cooperatives in Tennessee, Arkansas, Kentucky, and Mississippi.

By 1940, although the firm continued to operate under his name, Major Allen no longer had an active part in its operation. In 1940, he turned over his shares of the firm to his son Lorin B. Allen and Mr. Hoshall, and the company name was changed to Allen & Hoshall Consulting Engineers.

During World War II public works engineering projects were few because the nation's resources were dedicated to the all-out war effort. For its part in this great struggle, Allen & Hoshall designed numerous aviation facilities in the Mid-South. The firm's wartime designs also involved major military bases such as Fort Campbell Flying Feild, Kentucky, and Smyrna Flying Feild, Tennessee.

Following World War II, engineering work literally boomed as private facilities and public works systems which had not been properly maintained during the war were improved and expanded. The post-war era (1946-1960) brought steady growth to Allen & Hoshall. The electric utility department designed transmission lines, substations and distribution facilities throughout the Southeast.

At the same time, the civil engineering department was designing and constructing water and sewer systems. Other civil activities involved design and construction of roads and streets, grading, railroads, natural gas transmission lines, and distribution mains. The firm's building systems work grew, and local and national industries joined the client list that included the federal government, state and local governments, hospitals, banks and other commercial entities, educational facilities and churches. In the early 1960's, the firm's diverse experience led to its largest engineering project-design of the modern, jet-age airfield and terminal at Memphis International Airport.



Memphis International Airport Terminal

Allen & Hoshall's **"List of First"** includes:

- 1922 Memphis, TN
Allen & Hoshall's 1st hospital project. Design, heating, plumbing, and electric system for General Hospital.
- 1925 Peabody Hotel - Memphis, TN
First high pressure, dual fired boiler system in Memphis.
- 1929 National Bank of Commerce - Memphis, TN
First air conditioning system in Memphis.
- 1939 Central High School - Memphis, TN
Allen & Hoshall's 1st natural gas fired steam boiler in city schools. First one in Memphis City Schools.
- 1945 East High School - Memphis, TN
First fluorescent lighting system in Memphis.



Peabody Hotel



Central High School

Allen & Hoshall grew throughout the 70's and 80's and offered expanded capabilities. Structural engineering was added in 1970. When architecture was added in 1977, Allen & Hoshall Consulting Engineers became Allen & Hoshall, Engineers-Architects-Consultants. Known as engineers since 1915, architects joined the staff to provide architectural design on the firm's engineering projects. With the 1980's came the addition of other specialties including traffic and transportation engineering, land planning, and landscape architecture.

During the 1990's, Allen & Hoshall's practice expanded internationally including projects in Europe, the Middle East, and Asia. Program management became the latest specialty addition providing design oversight and construction management services.

The new millennium brought resurgence in energy awareness. Allen & Hoshall's thirty years of experience in energy analysis and engineering is utilized by the nations leading energy service contractors and utility systems.

Allen & Hoshall today is an ENR "Top 500" firm providing services to diverse client types. Our mechanical engineering capabilities continue to flourish under the leadership of Lee Dowden, P.E., C.E.M. and Bruce Fisackerly, P.E., C.E.M. past president Memphis Chapter. Other ASHRAE members include Frank Madlinger, P.E. who leads construction administration and commissioning services, Jason Needham, P.E., C.E.M. design engineer and project manager, Greg Weaver, design engineer, and Danny McKee, P.E., C.E.M., Senior Principal and Vice President, Building Systems Division. Allen & Hoshall is active in ASHRAE activities as is a contributor to the ASHRAE research and promotions program. Allen & Hoshall recently received first place in the region seven engineering technology competition for innovative design and energy savings for a project to replace the heating system at U.S. Navy Facility, NSA Mid-South and has also won national ASHRAE awards. We appreciate the continued support of our clients and look forward to sustained relationships in the future. We are dedicated to our clients.