

PYRAMID PRESS

ASHRAE – Memphis Chapter

February, 2003

LUNCH MEETING

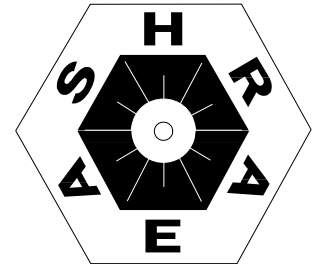
11:30 TUESDAY, February 11, 2003
EAST LOUNGE in the THOMAS
CENTER (CHRISTIAN BROTHER'S
UNIVERSITY CAMPUS)

**THIS MONTH'S SPEAKER: RICHARD B.
HAYTER, Ph. D., P.E.
ASSOCIATE DEAN OF ENGINEERING FOR
EXTERNAL AFFAIRS, KANSAS STATE
UNIVERSITY**

THE TOPIC WILL BE:

Dr. Richard B. Hayter was the 1995/96 president of the American Society of Heating, Refrigerating and Air-Conditioning Engineers. He is a member of the ASHRAE nominating Committee, Resource Development Committee, Board Policy Committee on Standards, and serves on the Board of Trustees of the ASHRAE Foundation and the ASHRAE Learning Institute. His ASHRAE awards include the Distinguished Service Award, the Region IX Hall of Honor, the Ralph G. Nevins Award for Physiology and Human Environment, the John F. James Award for International Activities, and the ASHRAE-Alco Medal for Distinguished Public Service. He is an ASHRAE Fellow.

Professor Hayter is Associate Dean of Engineering for External Affairs at Kansas State University. A licensed professional engineer, he received his B.S. in Mechanical Engineering from South Dakota State University; and his M.S. and Ph.D. from Kansas State University. Prior to his present position, he served in the U.S. Air Force and was executive vice president of an engineering consulting firm specializing in energy management in commercial and industrial buildings.



Memphis Chapter Contacts

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THE PRESIDENT'S CORNER

TO: ASHRAE Members

Once again we had a great meeting last month with Dr. Janna speaking on their Research Grant from ASHRAE. Dr Janna's project and presentation was very informative and gave us all an idea about what the ASHRAE Research fund does for the HVAC community. This month we have another very interesting topic "Technical Communication" which will be presented by Dr. Rick Hayter who is listed as one of ASHRAE's distinguished lecturers so try to be there if you can.



I Want You!

It's time to start thinking about next year, which means it is time to start looking for volunteers to get involved with your local chapter of ASHRAE. This is a great way to learn more about how ASHRAE works as well as to get to know people involved with our chapter better. If you are interested in serving on the board or a committee please contact me at 901-345-6100 as soon as possible so we can make sure you get a chance to participate.

Brian Schaffler
President, Memphis Chapter of ASHRAE

JANUARY MEETING REPORT

Meeting was held at 11:30 - 1:00 on January 14 at the Montesi Executive Center on the campus of Christian Brothers University.

62 Attended, including one student from CBU and three students from the University of Memphis. Dr. Bill Janna presented the pump efficiency device his students designed and built with money from an ASHRAE grant. The device will be used in the Herff College of Engineering fluids lab, where future students will learn to perform and derive pump calculations from the readings taken with the device.

This was ASHRAE-Memphis' first meeting at CBU. For a first meeting at a new place, all went well.

Dr. Janna's presentation had an average score of 98.75 from the Evaluation Forms.

LECTURE TOPIC: TECHNICAL COMMUNICATIONS FOR THE PRACTICING ENGINEER

Practicing engineers and technologists have a solid foundation of technical skills as a result of their academic education and job experiences. However their ability to communicate this knowledge to their peers, clients, employers, general public and even politicians is critical to their success as professionals. The importance of communication skills, including listening, and techniques for conveying a technical message regardless of the audience will be presented.



FUTURE PROGRAMS

FEBRUARY 11, 2003

11:30 a.m. – 1:00 p.m. Chapter Meeting – Technical Communication Dr. Rick Hayter, ASHRAE Distinguished Lecturer – 1 PDH

MARCH 11, 2003

11:30 a.m. – 1:00 p.m. Chapter Meeting – "Operating Chillers in the Maximum Capacity Range" or "Improving Efficiency in Chilled Water Plants." By Gil Avery – 1 PDH

APRIL 8, 2003

9:00 – 11:00 a.m. PDH Seminar – Energy Conservation Aspects of Centrifugal Separators – Scott Mayes, Lakos – 2 PDH

11:30 a.m. – 1:00 p.m. Chapter Meeting – Subject TBA – Scott Mayes, Lakos – 1 PDH

May 13, 2003

11:30 a.m. – 1:00 p.m. Chapter Meeting – ASHRAE 62 and 90, and their effects on building moisture control by Dennis Stanke – 1 PDH

MEMBER NOTICES

****PARKING INFORMATION****

There is plenty of parking on the CBU campus. At future meetings, ASHRAE members are requested to park in the big student parking lot which is accessed off of Central Avenue.

****ENGINEER'S WEEK STUDENT CONTEST****

The Memphis Joint Engineers' Council is having its annual Engineer's Week Student Contest on 15 February on the Macon Cove campus of Southwest Tennessee Community College. If you would like to represent ASHRAE as a judge at the Student Contest, please contact Contest Chairman Jeff Gatlin at jeff@thompsonengineers.com or 901-452-2500 by 31 January. Information on the Student Contest is attached. Our chapter will receive Student Activity points for your participation.

****ENGINEER'S WEEK BANQUET****

Thursday, February 20, 2003 - Engineers Week Banquet sponsored by TSPE Memphis Chapter
Location: Holiday Inn Ballroom, The University of Memphis, 3700 Central Avenue
Time: 6:00 PM Social w/cash bar, 7:00 PM Dinner
Cost: \$25 per ticket
Deadline for ticket sales: Monday, February 17
For tickets, contact Billy Allen at 901-528-7721 or w.allen@ieee.org.

QUOTE OF THE MONTH

" There are no secrets to success: Don't waste time looking for them. Success is the result of perfection, hard work, learning from failure, loyalty, and persistence."

--- COLIN POWELL

LESSONS LEARNED

I'll try to find something each month that may help us do a better job in doing our jobs. The purpose of this column is to spread the word about difficulties we have encountered involving strange code interpretations, surprising problems, or the ever present "OOPs" we try to avoid.

Please share your experiences with me for the column. We'll delete references to firms and other identifying characteristics, if you wish.



LESSONS LEARNED (CONT.)

A recent city school project had a problem I'd not heard about before:

The HVAC system is 4-pipe fan coil units in the ceiling space of each classroom. The ceiling space is used as a return plenum. Outside air comes from a dedicated 100% OSA unit that ducts OSA to a grille in each room. Remember that everything in a return plenum must be rated at no greater than 25/50 fire/smoke spread.

The building construction is steel frame with exterior brick, 6" steel studs with batt insulation, and interior sheet rock. The architect thought he'd save some money---he stopped the interior sheet rock 6" above the ceiling. The inside face of the batts is exposed to the return plenum. Our Code Officials found the problem. The batts were faced with kraft paper. Did you know that kraft paper couldn't be used in a plenum? It burns.

Further investigation revealed that not only can you not put kraft paper in a plenum, but there are two kinds of foil backing for batt insulation. Only one of the two kinds is rated for plenum use. Make sure your architects know this to avoid an expensive problem.

Mike Bilderbeck



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CHRISTIAN BROTHERS UNIVERISTY MAP EAST LOUNGE IN THE THOMAS CENTER (BUILDING #16)

