

PYRAMID PRESS

ASHRAE – Memphis Chapter

March, 2003

LUNCH MEETING
11:30 TUESDAY, MARCH 11, 2003
MONTESI EXECUTIVE CENTER
(CHRISTIAN BROTHER'S UNIVERSITY
CAMPUS)

THIS MONTH'S SPEAKER:
GIL AVERY, P.E.

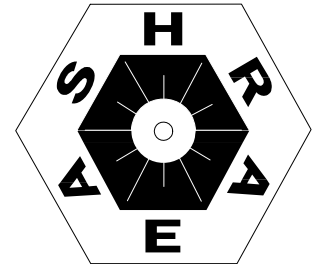
THE TOPIC WILL BE:

"MAXIMIZING THE COOLING CAPACITY OF CENTRAL
PLANT CHILLERS"

Much disparity exists in the HVAC engineering profession with the design of central chilled water plants. For over thirty years the generic design has been Primary/Secondary/Tertiary. This design is fast losing ground to the variable primary system that uses a single pump to handle the flow through the chiller, mains and the coils. The reason is simple: the operating costs are 10-20% less and the initial cost is 5-10% less.

The program will address the following:

1. Why do conventional primary/secondary chilled water systems cost so much more to operate than all primary?
2. How do you convert existing primary/secondary systems to variable primary by making minor changes to the piping and chiller controls?
3. Designing Primary only chilled water systems.
4. Insuring design flow through the on-line chillers in a primary only system
5. Staging chillers for peak efficiency.
6. Operating chillers in the "Max-Cap" range for less than 0.1 kw/ton.
7. Is operating in the "Max-Cap" range an alternative to the Air Side Economizer System?
8. Controlling the condenser water temperature so that the chillers operate at the lowest kw/ton.



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THE PRESIDENT'S CORNER

TO: ASHRAE Members

As most, if not all, of you know by now, we lost a member of our chapter and our board of governors last month with the passing of Larry Mallery. Larry was not only a good friend to many of us, but also a true contributor to our community. We are including his obituary for those who didn't see it as it says a lot about Larry's character. Because Larry was the present chairman of our annual golf tournament, the board of directors feels that it would be appropriate to name the tournament after Larry. This motion will be put forth for a vote at the next chapter meeting on Tuesday, March 11th. Please keep Larry's family in your thoughts and prayers.

As our chapter year begins to wind down, it is now time to nominate and elect our board of governors for next year. As outlined in our chapter bylaws, the board has appointed a nominating committee composed of Ricky Bursi, Jim Hellums and Evans Jack. They have spent several weeks filling these nominations and are now complete. Their nominations are as follows:

President – Chris Claude
President Elect – Jeff Gatlin
Vice President – Gary Whittam
Secretary – Stephanie Cianciola
At Large – David Branch
At Large – Jimmy Doyle
At Large – Rodney Lum

We will bring forth these nominations at the chapter meeting on Tuesday, March 11th. At that time the floor will be open for further nominations and then a vote will be held.

I look forward to seeing all of you at the next meeting.

Brian Schaffler
President-ASHRAE Memphis Chapter

FEBRUARY MEETING REPORT

Meeting was held at the East Lounge of the Thomas Building on the campus of Christian Brothers University. 42 Attended - the smallest turnout this society year.

The speaker was ASHRAE Distinguished Lecturer Richard B. Hayter, Ph.D., PE who spoke on the topic of "Technical Communication for the Practicing Professional."

LESSONS LEARNED

MARCH ARTICLE:

Recently, a local project received the following comments from Mechanical Plans Review:

Work platforms are required on the service-side of appliances installed above drop ceilings and installed more than 10 feet above finished floor. (Local amendment 304.4.1.3)

This is reportedly interpreted to include components that have motors or require service, such as fan coil units, fan-powered boxes, in-line fans, in-line pumps, etc. It evidently does not apply to VAV boxes that do not have a fan. In conversations with the Code Official, the purpose of the platform was explained as a platform where the serviceman can lay tools and components while working on the equipment. The platform can be metal or wood (if not a return plenum). This requirement does not apply to equipment that is exposed.



FUTURE PROGRAMS

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

LARRY MALLERY

From The Commercial Appeal MR. MALLERY WAS TIRELESS ADVOCATE FOR CHILDREN

Date: February 18, 2003

Section: Metro

Page: B3

Illustration: photo

Source: Yolanda Jones yojones@gomemphis.com

Memo: obituary

Edition: Final

His motto was simple: Children always come first.

Lawrence Britt Mallery, chairman of the board of the Boys and Girls Clubs of Greater Memphis, followed this rule throughout his adult life.

Mr. Mallery died Monday at his Memphis home. He was 38.

A philanthropist who gave of his time, Mr. Mallery was the youngest chairman of the Boys and Girls Clubs in the organization's history.

MALLERY (CONT)

No one was surprised.

"Larry was dynamic, and the thing that drove him was the desire to help kids," said his long-time friend John Golwen. "He was adopted, and he was loved and supported in his family, and he wanted to make sure all kids had support and love. This was his goal, and he never failed."

Mr. Mallery volunteered and raised money for everything from the Children's Museum of Memphis to the Memphis Charitable Foundation's Blues Ball. In addition to his commitment to the Boys and Girls Clubs, Mr. Mallery was past president of the Phoenix Club, a philanthropic organization.

"He was tireless in his effort to help the community," said family friend Lori Guyton.

A graduate of Memphis University School and the University of Tennessee at Knoxville, Mr. Mallery managed his family's business, Power Equipment Co. of Memphis.

In 1995, he married Jenny Conlee after proposing to her in a helicopter ride over the city. They had two sons.

"He was community- and family-oriented and was truly a good person who cared so much," said Guyton.

Mr. Mallery was a member of Independent Presbyterian Church and Chickasaw Country Club. He was a recipient of the Mednikow Leadership Award.

In addition to his wife, he leaves his sons, Britt Benton Mallery and Cole Conlee Mallery; his mother, Grace Mallery of Memphis; a sister, Melinda Duncan of Germantown; a brother, David Mallery of Memphis; and three nieces and two nephews.

Funeral services will be at 11 a.m. Thursday at Independent Presbyterian Church.

The family requests memorials be made to the Boys and Girls Clubs of Greater Memphis and Le Bonheur Children's Medical Center.

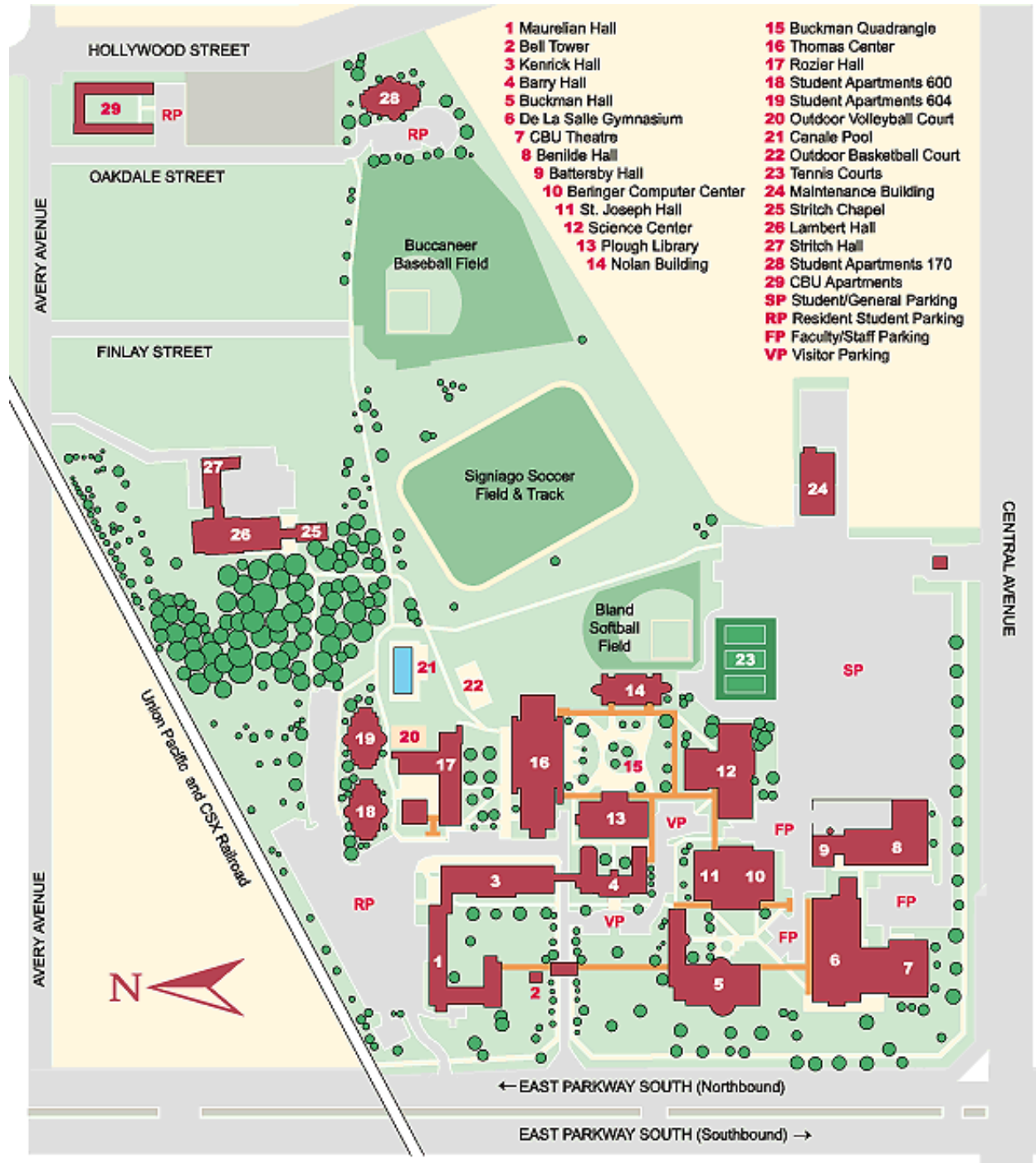
Memorial Park Funeral Home has charge.



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CHRISTIAN BROTHERS UNIVERISTY MAP MONTESI EXECUTIVE CENTER IN BUCKMAN HALL (BUILDING #5)



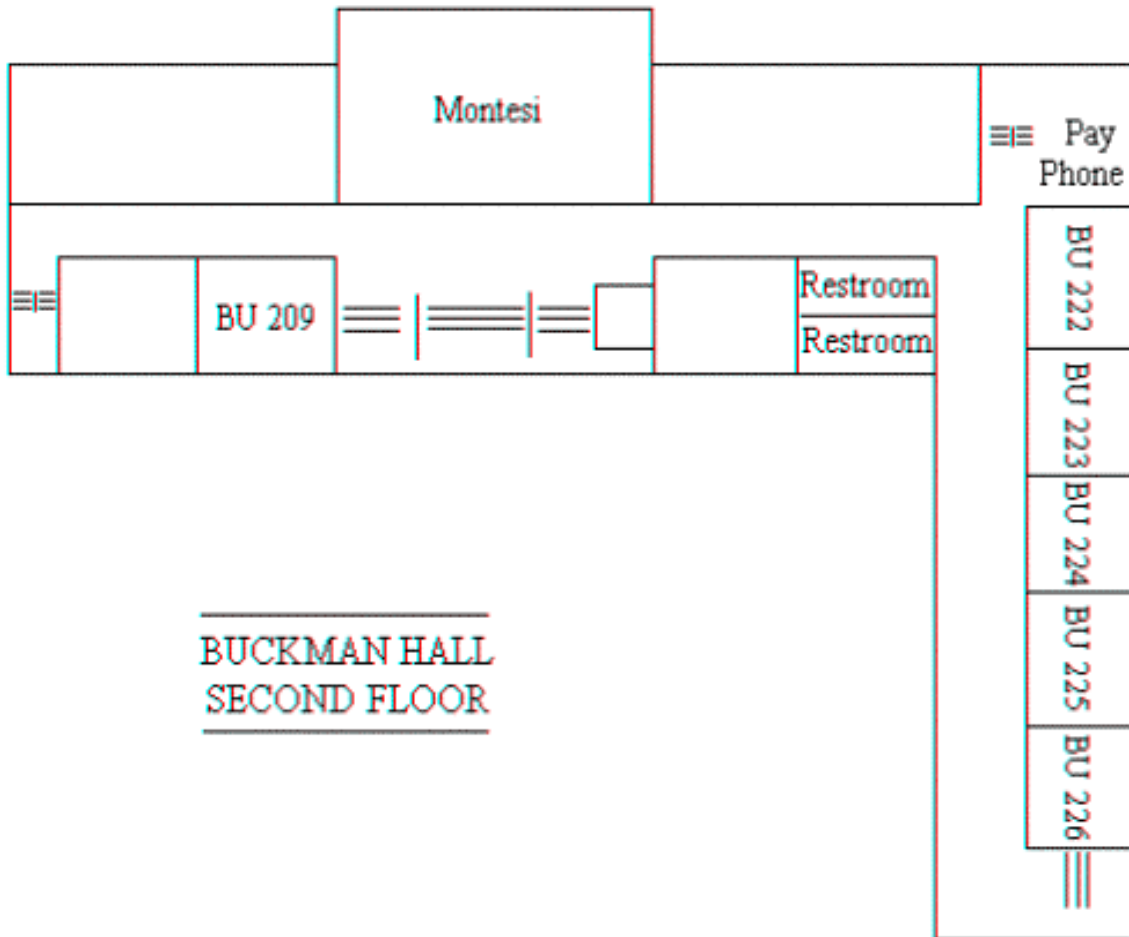


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CHRISTIAN BROTHERS UNIVERSITY BECKMAN HALL FLOOR PLAN

East Parkway S.



BUCKMAN HALL
SECOND FLOOR