Newsletter
October 8thth, 2019 meeting at University of Memphis

Current BOG

President
Mariel Meegan
901.384.8400

Secretary
Daniel Rodman
901.421.9938

President Elect
Alan Watts
901.452.6283

Treasurer
Tom Bird
901.345.6100

Tech Transfer
Eric Tabor
901.461.7357

R&P
Daniel Longserre
901.372.0404

Membership
Jesse Taylor
901.367.1180

Historian
Jerry Gatlin
901.452.2500

Memorials
Ken Jack
901.324.6610

YEA
Ryan Mathis
901.345.6100

Refrigeration
Daniel Longserre
901.372.0404

Honors & Awards
Russ Fletcher
901.761.0885

Student Activities
Daniel Longserre
901.372.0404

Digital Comm
Matt Maynard
901.624.6960

K-12 STEM
Jack Griffith
901.379.0500

Government Affairs
Mike Bilderbeck
901.729.5502

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Presidents Corner

Chapter Members,

Thanks to all who came to our first meeting! It was so great to see everyone again.

Our chapter meeting schedule is nearly set. The October meeting will be held at the Medallion Lounge at the Holiday Inn at the University of Memphis. Along with the chapter meeting schedule, we are working on scheduling many other activities. Last month we had a WIA webinar with the South Brazil chapter. We held the event at CBU, and gained the interest of a few students there. We are planning to have more Student Activities events and YEA events soon, so stay tuned for updates on upcoming events.

I would like to take this opportunity to thank our board and committee chairs. They have been working hard to meet our goals for this chapter, but they need your help. I want to encourage everyone to get more involved and join a committee to help our chairs. Whether there is something in particular you are interested in or just want to help out in general, we can find a something for you. With that, I’m excited to welcome John Hamilton as our new Refrigeration chair. If you have ideas you’d like to see from his committee or any other committees, just let us know.

I look forward to seeing everyone soon!

Thank you,

Mariel Meegan
President
ASHRAE Memphis Chapter.
ASHRAE position on UVC for energy efficiency, maintenance savings, and indoor air quality

Presented by David Skelton

David is responsible for application-based UVC installations that exceed 60,000,000 square feet of space. Evergreen clients include the FDA, EPA, CDC, UN, and WHO for projects in Africa, Asia, Australia, Europe and the Americas.

He is a recognized specialist in specifying, design / build and installation of Ultraviolet Germicidal Irradiation (UVGI) products and turnkey environmental disinfection services, with a focus on improved Indoor Air Quality (IAQ), Environmental Disinfection, Energy Efficiency / cost savings, and Maintenance reduction.

David has over 35 years experience in the engineering, manufacture and marketing of HVAC-related products, and is an accomplished speaker for ASHRAE and PDS (Professional Development Series) conferences, leading Engineering Seminars with his overview of UVC technology for Air and Surface Disinfection.

ASHRAE:
Chairman; TC2.9 Committee for UV Air and Surface Disinfection
Member; GPC-37, UVC Upper Air
Member; SPC-185.1 Test Standards for UVC Air Disinfection
Member; SPC-185.2, Test Standards for UVC Surface Disinfection
SME (Subject Matter Expert) and publication peer-reviewer for UVC Disinfection
Author, Specialist and Seminar Leader; UVC Commissioning
Member; TC2.9 Handbook, Research, and Projects subcommittees
Member; Health and Wellness MTG (Multi-disciplinary Task Group)

UL (Underwriters Laboratory)
Member; Standards Technical Panel for HVAC, UL (Underwriters Laboratory)

ISO
Advisory Panel member; US TAG for ISO / TC 142 (United States Technical Advisory Group for International Standardization Organization / Technical Committee for Cleaning equipment for air and other gases)
2019 - 2020 ASHRAE Memphis Calender:

October 8th Meeting: UV Light
  Meeting & Presentation by David Skelton in Medallion Lounge
November 11th Meeting: Don’t let your BIM go BOOM!
  Meeting & Presentation by Mitchell Swann (DL) in Fogelman Executive Building
Chapter Holiday Party
  TBD
January 14th Meeting: Legionellosis: Risk Management for Building Water Systems
  Meeting & Presentation by Pat Graef (DL) in Tennessee Ballroom
February 11th Meeting: Impact of the new DOE Regulations on Pump Selection
  Meeting & Presentation by Taco Rep in Tennessee Ballroom
March 10th Meeting: Gas Regulators and Natural Gas Design
  Meeting & Presentation by TBD in Tennessee Ballroom
April 14th Meeting: Health/Humidity/Hospitals/reduced healthcare acquired infections
  Meeting & Presentation by Stephanie Taylor in Tennessee Ballroom
May 12th Meeting: Ethics
  Meeting & Presentation by TBD in Tennessee Ballroom
Ronald Lamar (Ron) Thompson, P.E.

July 2019 Retirement

Ronald L. Thompson was born in Florence, Alabama, in 1939 and moved to Memphis in 1943. He graduated from Christian Brothers High School in 1957, attended Purdue University for one year and graduated from Christian Brothers College in 1962 with a Bachelor of Science Degree in Mechanical Engineering.

Ron’s fifty-seven years in the engineering profession has been spent working for Thompson Engineers, Inc., Memphis, Tennessee. The company founded by his father, William B. Thompson, Sr., in 1949. He began working for the firm as a draftsman in 1955, when in high school. He worked as a plumbing and HVAC designer while attending college. In 1962, after graduating from college, he joined Thompson Engineers, Inc. full time and served as mechanical engineering manager. He assumed the role of president of the firm in 1995. Ron’s brother, William B. Thompson, Jr., also graduated from Christian Brothers College in 1962 with a Bachelor of Science Degree in Electrical Engineering and served as the electrical engineering manager for Thompson Engineers, Inc. until he became vice-president in 1995.

Ron has been responsible for the design of numerous mechanical (plumbing/fire protection) engineering projects during his career, including projects in Memphis, Tennessee such as the Clark Tower Building, Shelby County Justice Complex, St. Francis Hospital, the International Sort Facility at the Fed Ex Super-Hub, American Yeast Plant; Mississippi projects such as Northwest Mississippi Community College (ten buildings), and various industrial projects such as Coca Cola Bottling Plant – Baton Rouge, LA, Tootsie-Roll (Charms Candy) – Covington, Tennessee, Mueller Brass – Covington, Tennessee, Dupont – Shelby County, Tennessee, and Bunge Corp. – Florence, Alabama.

Having a multi-engine pilot’s license, Ron piloted the company airplane on business trips for many years. In 1999, he and his brother, William B. Thompson, Jr., sold Thompson Engineers, Inc. to Jerry and Jeff Gatlin. Ron continued working for the firm as head of the Plumbing and Fire Protection department.

Ron served as president of ASHRAE, Memphis Chapter in 1975-76. He is presently a Life Member of ASHRAE, a member of the National Society of Professional Engineers, the Tennessee Society of Professional Engineers and the American Society of Plumbing Engineers. Ron also has served on the Memphis Shelby County Plumbing Code Board since 2013.
Ron has been married to Ruth, for fifty-eight (58) years. He has two children, Dr. Gregory Thompson and Suzanne Massey, seven grandchildren and six great grandchildren.

He is a long time member of Church of the Holy Communion (Episcopalian). He has served on the vestry of the church, and coached little league baseball and basketball teams for the church.

Ron has enjoyed his long and fruitful career in the profession of engineering.
POSITION: EIT I

DESCRIPTION: Assists the senior design staff in the execution of technical activities required on assigned projects and learns discipline-specific technical standards and procedures. Assists the project team in the production of projects on time, within budget, and consistent with industry standards. Under supervision participates in technical studies, investigations, and design on assigned projects.

REPORTS TO: Department Head or Operations Director

CLASSIFICATION: Exempt

ESSENTIAL FUNCTIONS:
- Learns to understand industry standards and company technical policies and procedures during the execution of projects for clients
- Observes and learns the industry standards and practices of design analyses using industry software
- Routinely assists with production of designs using Revit and/or CADD with the assistance of senior design staff
- Under supervision, assists in the execution of design processes and analysis on assigned projects and requests assistance from design staff when needed
- Under supervision, performs basic computer-based engineering calculations and system design functions
- Assists the design team in the coordination of project designs with other disciplines to determine equipment needs, provides input for operating procedures, and provides technical information
- Observes and learns the information used by project managers to develop man-hour budgets
- Assists project team in the development of technical documentation, proposals, and presentations
- Learns how to communicate design requirements with contractors and equipment sales representatives to determine project scope and feasibility
- Accompanies senior design staff in performing project job site visits to investigate field conditions and monitor progress based on design specifications, owner expectations, and building codes
- Reads and interprets blueprints, specifications, schematics, and engineering reports
- Actively attends internal and external training and other educational opportunities to obtain knowledge in necessary technical areas

KNOWLEDGE, SKILL, AND ABILITY REQUIREMENTS:

KNOWLEDGE
- Knowledge of Microsoft Office Suite (i.e., Word, Excel, PowerPoint, and Outlook)
- Knowledge of engineering theories and methodologies
- Knowledge of industry specific software (i.e., Revit and AutoCAD)
SKILLS and ABILITIES

- Interpersonal Skills – ability to interact positively and work effectively with others
- Comprehension – ability to understand information, ideas, and direction presented in writing and/or verbally communicated
- Written Communication Skills – ability to clearly deliver a message through written words using correct grammar, spelling, and punctuation
- Speech Clarity – ability to speak clearly and in a common language so that others can understand you
- Detail-Oriented – ability to achieve accuracy and thoroughness when accomplishing a task; pays attention to details and is able to understand the cause of a certain outcome
- Judgement and Decision-Making Skills – ability to make reasoned judgments that are logical and well thought out; constructively questioning and analyzing information in order to make the best conclusion

MINIMUM QUALIFICATIONS:

- Bachelor’s or Master’s degree in engineering from an ABET accredited college

PHYSICAL DEMANDS: (The physical demands described here are representative of those that must be met by an employee to successfully perform the essential functions of the job. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.)

- Frequently use a computer for several hours at a time
- May need to periodically maneuver over, under, and around barriers as well as climb ladders on a job site
- Requires the ability to transport ladders and plans weighing up to 30 pounds

WORK ENVIRONMENT: (The work environment characteristics described here are representative of those an employee encounters while performing the essential functions of this job. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.)

- Indoors in a normal office environment with some exposure to excessive noise, darkness/poor lighting, fumes, or dust
- May travel to and navigate construction sites, some of which may be at high altitudes or small spaces with dirt or dust particles
TIMOTHY MOORE

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Memphis, TN 38104
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TECHNICAL SKILLS

• FE passed, Engineer Intern: 34209
• Strong analytical skills
• Skilled labor including HVAC, electrical, & structural framing
• Ability to read blueprints
• Matlab
• G-code
• Siemens NX
• Lean Six Sigma
• Microsoft Office: Microsoft Word, Microsoft Excel, & Microsoft PowerPoint
• Academic research laboratory experience

PROFESSIONAL SKILLS

• Project management experience
• Senior Design project team leader designing, constructing, & testing a prototype bone cement viscometer
• Strong communication & team building skills
• Strong negotiation skills
• Strong problem solving & troubleshooting skills
• Experienced in client relations
• Business operations including bookkeeping, scheduling, & purchasing

EMPLOYMENT

January 2017 – Present
Self-employed
Independent contractor

• Home rehab & remodeling
• Solving design problems in older buildings

June 2013 – July 2016
Co-founder & HVAC Technician Apprentice
Henry Heating & Air

• Troubleshooting & installation of HVAC systems
• Commercial & residential
• Knowledge & experience in circuit diagrams
EDUCATION

University of Memphis
Memphis, Tennessee
Bachelor of Science, Mechanical Engineering
Graduated May 2019, GPA: 3.0

REFERENCES

References available upon request.