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**AES 2006-2007
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Audio Engineering Society Chicago Section Meeting

Wednesday, Apr 25, 2007, 7:30 PM

A Case Study in Modern Acoustical Design: The Shure Performance and Listening Center, Presented by Russ Berger

Meeting Location and Dinner:

Shure Incorporated, 5800 Touhy Ave, Niles, Illinois. When arriving by car, approach from the east by heading west on Touhy, then turn right into parking lot just east of the Shure building, which is on the corner of Touhy and Lehigh. Enter the building at the east entrance (not south) and register at the guard desk.

****NOTE:** Due to practical constraints, the number of attendees may be limited and RSVP is required for all. Contact Treasurer Jon Boley at Boley_Jon@shure.com or 847-600-8559 by Apr 23. Please indicate:

1. Whether you are an AES member or have some other professional affiliation.
2. Whether you would like to RSVP for dinner. Pizza will be provided. Price for dinner is \$7 for nonmembers, \$5 for members and students.

About the Speaker:

Russel E. Berger II is President of Russ Berger Design Group, Incorporated. Russ directs all the firm's activities, which involve the design of audio recording, broadcast and television studios, as well as home theater and entertainment facilities. His past experience in the studio as musician, engineer and owner gives him unusual insight as a consultant into all aspects and phases of facility design. Russ can usually be found at the office working on a design, or on the road at a project site.

Russ has over 2,500 design projects to his credit. National Public Radio headquarters, Whitney Houston's personal studio, NFL Films headquarters, and Sony Music are but a few of his more prominent designs. In recognition of his work, the industry has presented him with eight TEC Awards for technical excellence and creativity in acoustics and studio design. In addition, he has been asked to lecture nationwide on facilities planning, studio and small room acoustics, audio

electronics, audio monitoring, and microphone technique. He has also published numerous articles on studio acoustics and the application of computer techniques in the design of acoustic and electroacoustic systems. Russ is one of the original licensees of the TEF measurement system.

Russ's educational background is in Physics and Electrical Engineering, University of Houston in Houston, Texas and Southern Methodist University in Dallas, Texas; 1971-1975. He is a member of the Acoustical Society of America, the Audio Engineering Society, the National Council of Acoustical Consultants (board member), the Society of Professional Audio Recording Services, the Society of Motion Picture & Television Engineers, and the Institute of Electrical and Electronics Engineers.

About the Presentation:

The meeting will take place at Shure's Performance and Listening Center (PLC), a state-of-the-art recording and product testing facility designed by the Russ Berger Design Group of Addison, Texas (www.rbdg.com). Russ Berger himself will present on the theory of the facility's design, touch on the practical aspects of how the place came together, and share pictures of the construction process. Attendees will be able to explore the facility and discuss it with the lead designer himself.

Completed in 2005, the PLC is an acoustically isolated, multi-room "building within a building" located in the Shure Technology Annex. It includes a main room large enough to simulate a small performance space, an isolation booth, a spacious control room, and a theater-style evaluation room.

More information about the PLC can be found here:

http://www.shure.com/ProAudio/PressRoom/PressReleaseArchive/2005PressReleases/us_corp_press_rel_tech_muscle

Upcoming Meetings:

****NOTE CHANGE IN DATE****

DATE: Tuesday, May 15, 2007

TOPIC: Microphones and Ear Simulators for High Frequency Measurements

PRESENTER: Per Rasmussen, G.R.A.S Sound and Vibration

LOCATION: Holiday Inn North Shore, 5300 Touhy Avenue, Skokie, Illinois (at the northeast corner of Touhy and Niles Center Road)

TIME: 7:30pm (dinner at 6:30pm)

ABSTRACT: Current ear simulators for acoustic testing have mainly been developed for telephone testing and have been limited to frequencies below 4 to 8 kHz. The increased demands for high quality, high frequency performance of telephones, head sets, and similar related products necessitates the development of new techniques and ear simulators.

February Meeting Report:

The Chicago Section met on March 20, 2007, at the Q101 (WKQX-FM) and the Loop (WLUP-FM) radio stations in Chicago's Merchandise Mart Plaza. The two stations are owned by Emmis Communications, which also operates stations in Los Angeles, Austin, New York, Indianapolis, St. Louis, and Terre Haute, Indiana. A.J. Bautista, Director of Integrated Technologies for Emmis' Chicago stations, spoke on the history of radio broadcasting and the challenges which broadcasters face today. Patrick Berger, Director of Engineering for Emmis' Chicago stations, took attendees on a tour of the two radio stations, which are co-located at the Merchandise Mart.

Mr. Bautista presented a brief, illustrated history of radio communication technology. The first radio communication was sent by an Italian engineer named Marconi in 1895. Radio was first used to transmit voice in 1903, allowing one person to communicate to many. In 1934, the U.S. Congress passed the Communications Act, parts of which are still in use today. The AM transistor radio, invented in 1954, provided for the first time a way to make radio portable. Today, radio broadcasters face competition from devices which are not only highly portable, but which also provide "audio on demand." Such devices include the ubiquitous Apple iPod and cell phones with integrated music playback capabilities. Broadcasters must update the traditional radio broadcasting model in order to compete effectively in the "dot com" world. This will likely include new forms of nontraditional revenue.

Mr. Berger's tour of the facilities included a look at the Q101 on-air studio, numerous editing suites, Jonathon Brandmeier's on-air studio at the Loop, and the Lava Lamp Love Lounge, an acoustically isolated room designed and built by Mr. Berger for recording and broadcasting in-studio performances.

Employment Opportunities:

Do you have a job opportunity you would like to publicize? Contact Section Secretary Nick Kettman at chicago.aes@gmail.com for more information.

Do you have an idea for a meeting location for the Chicago AES Section? The section is currently considering alternate meeting spaces for future meetings. If you would like to suggest a specific location, please contact Section Secretary Nick Kettman at chicago.aes@gmail.com.