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Audio Engineering Society – New York Section

MEETING NOTICE

Tuesday, June 10, 2008 -- 7:00 P.M.

Please come to the "Meet and Greet" at 6:30 P.M.

Jazz Performance Space

The New School University

55 West 13th Street (bet. 5th & 6th Avenues), 5th floor, New York City

Loudness for Television Broadcast

Hosted by: **Jonathan Abrams**, Nutmeg Audio Post, NYC

Presenters: **Ken Hunold**, Dolby Laboratories, NYC

Jim Starzynski, Principal Engineer and Audio Architect, NBC

Universal Advanced Engineering, Chair of the ATSC Audio Loudness Group (S6-3)

We have PPM meters to indicate digital peaks, and we have VU meters to indicate volume units. Do volume units equate to loudness? It appears that the industry's answer to this question is "No". So how does one measure loudness? If you calibrate your control room monitoring level, and do not change the monitoring level afterwards, does any sound that makes you want to lower the monitoring level qualify as too loud? Does any sound that makes you want to raise the monitoring level qualify as too quiet? Should the mixer be determining the loudness of the program? Should a device be used to determine what the program's loudness is? Should an outside entity force upon you their definition of loudness?

As television broadcasting has been transitioning from NTSC to ATSC, loudness has become an issue that has been addressed with different solutions. Which solutions work? Which ones are controversial? Which solutions are on the horizon? Come listen to our presenters and hear what the state of loudness is in television.

The AES NY Section wishes to thank **NHT Loudspeakers** and **Studio Consultants, Inc.** for their valued support.

We also appreciate the continuing support and assistance of the **New School University**.

**Remember to check our web site for the latest updates and information - <http://www.aes.org/sections/ny/>
PLEASE POST ... This is an open meeting ... EVERYONE IS WELCOME TO ATTEND**

May 13th, 2008 **"Worship Audio"**

Host: **Bill Siegmund**, Digital Island Studios

Presenters: **Greg Thomas**, The Times Square Church

Founded in 1982 at The Town Hall, The Times Square Church moved into its current home in the Mark Hellinger Theatre following the final performance there of "Jesus Christ Superstar". In addition to the main sanctuary, the church has added five "overflow rooms" in the adjacent Notel Hotel. These rooms receive live audio and video feeds of the sermons, which are also streamed on the web and edited into a television program that can be seen on several channels across the U.S. AES members were led on a tour by the church's Music Director, **Greg Thomas** and the AES NY section Secretary, **Bill Siegmund**.

The church offers five services per week, with eleven full time staff musicians working to create original music on a weekly basis. There is a full band on the stage, and each band member has an Intellix personal mixing station for their cue mix. The 150 voice choir using flown side-fill monitors on either side of the stage. Each instrument is miced individually, and the choir is picked up by four hanging microphones (two cardioids and two hypercardioids) and 12 spot mics in the front for soloists and featured singers.

Chief engineer **Ivan Pokornoy** simultaneously mixes for front-of-house, the internet stream and broadcast. At stage left sits the monitor mixer, who provides each monitor which a specified, individual mix. It was clear from the comments of Mr. Thomas and his sound team that this is a well oiled machine, keenly aware of technological advancements, and experienced enough to carry out complex productions without duress.

Installed in the sanctuary are several cameras which feed the overflow rooms and on-stage, closed-circuit monitors for the performers. The theater's dressing rooms have been converted into an impressive video post production control room, and the church also has a 64 channel ProTools control room, used to record and archive every single service, as well as produce CD's of the church's music (available for purchase). There is an additional room dedicated to radio broadcast and a system server room.

It was remarkable to learn how sophisticated the facilities are, and of the extensive contributions made by the music and sound staff at the church. Great thanks to Mr. Greg Thomas for taking some time directly before a sermon to patiently show us around and answer questions. For more information, visit: <http://www.tscnyc.org>

Review By **Noah Simon**

Upcoming AES events:

July 13: Annual Picnic – details to follow

IT'S ELECTION TIME!

The NY section of the AES is run by AES members who volunteer to serve as officers and committee members. These positions are appointed via an annual election in which candidates are nominated by their fellow AES members. At the meeting on June 10th, the Nominations Committee will present a slate of candidates for office. Additional nominations may be made from the floor of this meeting by any current AES member. Although the pattern has been for members to begin their involvement as committee members, the positions of Treasurer, Secretary and Vice-Chair are also open to all members. Everyone is encouraged to get involved, lending their energy and expertise for the benefit of the section. Nominations can also be made via email, until 5pm EST on June 13th. Emails should be directed to: vote-ny@aes.org. The final slate of candidates will be announced on June 17, at which point voting will commence. Election final results will be announced at our annual picnic in July. For more information about the duties of section officers and committee members, direct your web browser to:

<http://www.aes.org/sections/ny/duties.html>.