

# AES DAILY

day1  
thursday  
edition

SERVING THE 141ST AES CONVENTION • september 29-october 2, 2016 los angeles convention center, los angeles, ca

## +BREAKING NEWS

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## Gear Trends Underscore Cautious Confidence in B'cast/Post

By Steve Harvey

As the professional audio industry converges once again on Los Angeles and the annual AES Convention, it's worth looking to retail to provide some indication of the state of the audio industry. In broadcast and post production, at least, business appears to be good, driven in no small part by the revenue generated by two quadrennial events, the *gear trends* on page 37



**MAKING IT HAPPEN** The 141st International AES Convention Committee, led by Co-Chairs, Michael MacDonald and Valerie Tyler (lower left), worked diligently to produce the outstanding line-up of 200-plus technical sessions for this year's Convention.

## Krivot Celebrates Fruitful Year at AES Helm

By Strother Bullins

Surveying his time at the helm of the AES, outgoing AES President John Krivot has much to celebrate. Krivot is an award-winning audio educator at Emerson College and Bay State College in Boston and curator of 9,000-plus member "Hey Audio Student" Facebook group. Add presidential duties to the mix and Krivot has



John Krivot, audio leader and holistic industry guide

well lived the role as audio leader and holistic industry guide, all made evident through numerous successes.

Launched during his reign, Krivot celebrates the new AES website with its unlimited E-library access for members, noting the importance of Society-gleaned informational and educational *krivot* on page 38

## Immersion Is in at AES

By Clive Young

The AES Convention returns to Los Angeles today, sporting a theme of "Immersed in Audio," and it fits. As soon as visitors walk into the L.A. Convention Center, they'll be surrounded by the latest in everything pro audio, from recording to post to live sound to audio for Virtual Reality and Augmented Reality. In short, if it has anything to do with the cutting edge of professional audio, it's here, waiting to be discovered, seen, learned and most of all, heard.

Unlike the last time the convention was here in L.A., the exhibitor floor opens right away, so you can hit the ground running. Make the most of this great opportunity to visit with the companies whose gear and technologies you use every day. Meandering the floor always reveals innovative new exhibitors you never heard of, cool creative applications that you never considered before and new equipment that might change the way you work forever.

Make sure to catch the opening ceremonies though, which will honor some of the greats of pro audio and also feature a key-*immersion* on page 38

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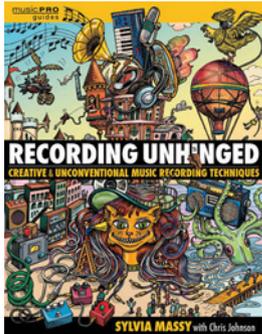
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## Hal Leonard Spotlights ‘Recording Unhinged’

**BOOTH 1016** Hal Leonard is featuring *Recording Unhinged: Creative and Unconventional Music Recording Techniques* by the legendary mixer and producer Sylvia Massy. AES attendees will have a chance to win a signed copy of the book by entering a raffle at the Hal Leonard booth (1016). Massy and her cohort of celebrity music industry peers discard fixed notions about how music should be recorded. They explore techniques outside the norm, yielding emotionally powerful, incredibly personal, gut-wrenching, and even scary recordings. With commentary by Hans Zimmer, Al Schmitt, Bruce Swedien, Jack Joseph Puig, Dave Pensado, Tchad Blake, Bob Clearmountain, Linda Perry, Michael Franti, Michael Beinhorn, Bob Ezrin, Geoff Emerick and many others, this book includes the stories, tips, and advice that you won’t find in any other instructional manual.



‘A cracking good read...’- Alan Parsons

“Sylvia Massy has a unique perspective on what makes musicians tick and how great recordings are created,” says Alan Parsons. “This book is a brilliantly assembled insight into that world and is a cracking good read.”

## Shure Issues New ShurePlus MOTIV App

**BOOTH 803** The latest version of the ShurePlus MOTIV Mobile Recording App—designed for use with the MOTIV Digital Condenser Microphones—is now available for download in the Apple App Store. Version 2.0 of this iOS App offers a suite of advanced new features, including an editing tool, improved user interface and fluid sound metering for a jitter-free experience. Additionally, version 2.0 offers access to a playback window, enabling users to review, assess, or simply listen to a recording. The easy-to-use editing tool gives users the ability to trim and split tracks, incorporate user-defined fades, and place markers on the timeline of a recording to create points in time to return to, playback from or to define split points. A “flattened” interface with fewer menu selections and pull-down options allows users to move through the app more quickly and efficiently. The App’s playback window creates an enhanced listening environment for critical review of a recording or casual listening. Users also have access to a looping feature for continued review of a track and the option to add artwork or imagery to the recording through the iOS Camera Roll.



Shure’s MOTIV Mobile Recording App

### ShowNews

## Today’s Technical Tours

9 a.m.-12:30 p.m.

### Sony Computer Entertainment America

This walkthrough tour of Sony’s state-of-the-art audio facilities—the game studio behind the hit *God of War* franchise—will include an explanation of their tools, processes and workflow, and samples of the studio’s audio work in recent releases. Limited to 30 people; attendees will need to sign a non-disclosure agreement.

2 p.m.-4:30 p.m.

### Iron Mountain

Iron Mountain houses more than 200,000 square feet of archived materials inside its beautiful 1921 Art Deco building. Attendees will get an in-depth look at how Iron Mountain Entertainment Services works with film and television studios, record companies and industry professionals to promote best practices for preserving assets, from original masters to fully digitized copies. Limited to 25 people; attendees will need to sign a non-disclosure agreement.

2:15 p.m.-3:45 p.m.

### Microsoft Theater

Take a tour behind the scenes of the Microsoft Theater at LA Live! Further adding to the selection of sound reinforcement related events, this tour includes a backstage view of the audio patch room, stage, and sound system rigging details. After a walk through the facility, a listening session will include playback of select music on the JBL Vertec sound system, using the Soundcraft house console. Limited to 30 people.

2:15 p.m.-4 p.m.

### ESPN Broadcast Center at Staples Center

This walking tour will take participants through ESPN’s entire broadcast facility including the control rooms, master control area, audio rooms and studios. Participants will learn about the daily workflows and everything that’s required to get ESPN’s diverse sports programming on the air.

6 p.m.-9 p.m.

### 20th Century Fox

The legendary studio that first introduced sound on film continues to provide leading-edge audio technology for film and televi-

sion. Attendees will visit original Fox sound stages (now housing post-production facilities) plus ADR, Foley and editing stages, the fully updated, historic Newman Scoring Stage and more. Space limited to 25 people.

## Today’s Broadcast & Streaming Media Events

9 a.m.-10:30 a.m.

### Session B1: Immersive Audio Absorbing Radio and TV Audiences in 2016 and Beyond

10:45 a.m.-12:15 p.m.

### Session B2: Listener Fatigue and Retention

2:15 p.m.-3:45 pm

### Session B4: Television and Movies—The Evolution of Audio and Sound: A Look Back to the Moments that Matter

4 p.m.-5:30 p.m.

### Session B3: Immersive and Object Oriented Audio Playback in the Home

## Hal Leonard Takes e-reading To The Next Level

**BOOTH 1016** Building on the library of video learning products already available from Hal Leonard at Groove3, the two companies are ready to take their online offerings a step further with “Groove3 Reader Technology,” a new technology developed in-house by Groove3 that takes e-reading to the next level.



Starting in October, Groove3 members will be able read and interact online with publications, such as The Bruce Swedien Recording Method, Q on Producing and The Best Jobs in the Music Industry, that have previously only been available in printed form or as standard e-books. In contrast to traditional e-books, books delivered via G3RT offer the content in a new way, making reading and learning more intuitive on today’s desktop and mobile devices. Highlighting, bookmarking, referencing and searching are all conveniently accessible through a clean user interface. Accompanying audio and video materials that are included with physical books on a DVD, will be embedded in the text, available to readers as needed. Over the next several months, scores of existing Hal Leonard books will be rolled out at Groove3 in this new interactive and multi-media format.

## Focusrite RedNet Adds Backbone to American Mobile

**BOOTH 203** American Mobile, the remote production arm of the famed Chicago Recording Company (CRC), has begun deploying the Focusrite RedNet Dante-networked audio converters and interfaces as the signal-transport backbone, giving these remote productions even greater operational and sonic capabilities.

This season, veteran A1 mixer Steve Weeder deployed the first RedNet system at the Lollapalooza Music Festival in Chicago and also at the Outside Lands Music Festival in San Francisco. This system consisted of 64 channels of RedNet MPR8 remote-controlled mic preamp and A/D converters, two RedNet 5 network interfaces for Pro Tools HD, as well as a RedNet D64R 64-channel MADI-to-Dante link.

American Mobile is currently adding an additional 64 channels of RedNet MPR8 mic preamps to the audio truck, expanding capability to at least 96 channels to keep up with the growing number of channel counts at complex shows.

## Hafler Launches HA75 Tube Headphone Amp

**BOOTH 839** Hafler (a division of Radial Engineering Ltd.) is addressing the wide adoption of headphones in the mainstream of music listening with the launch of the HA75 Tube Head, a 12AX7 tube headphone amplifier that brings forth the character and sonic landscape that is only possible with a tube.

The design applies 140 volts to the tube to provide sufficient voltage for a “clean” sound, yet at a lower scale in order to impart the all-important tube character and harmonic generation. When pushed hard, tubes introduce a form of natural compression to the signal that do not distort in a ‘square wave’ but more gradually saturate with even order harmonic distortion. This results in a more pleasing tone with far less ear fatigue when listening to music for extended periods. Like the HA15, the HA75 is also equipped with FOCUS control to simulate listening to live speakers, dual headphone outputs for “sharing the fun” along with RCA and XLR input connectors to adapt to either audiophile or recording system setups. A dual RCA line output on the rear panel allows the user to capture the HA75’s tube character and incorporate it into a solid state system. This “warms” the often sterile tone of a digital recording, bringing warm tube harmonics into play.

## Neutrik Features 10-Pin XLR Connector

**BOOTH 1006** During AES, Neutrik is featuring its latest multi-pin product line for transmitting both data and power: the 10-pin XLR line. Fitting in the same form factor as other XLR connectors, Neutrik’s 10-pin XLR is perfect for transmitting four twisted pairs of data at Cat 5e performance plus up to 16A of power @ 50V using two large, dedicated power pins.

The cable connectors for the new 10-pin XLR line are based on Neutrik’s latest-generation XX series. The chassis connectors are derived from Neutrik’s DLX family, offering industry-standard D-size housings and superior RF protection and shielding as a result of the DLX connectors’ innovative duplex ground contact design.

With this new XLR design, Neutrik’s 10-pin XLR line offers an easy-to-assemble and rugged multi-pin connection solution.

The parts numbers for the straight and right angle cable connectors are: NC10FXX-14-B, NC10MXX-14-B, NC10FRX-14-B and NC10MRX-14-B. The chassis connectors are identified as NC10FD-LX-B and NC10MD-LX-B.



Neutrik's 10-pin XLR line



**BOSE PROFESSIONAL, BOOTH 105** The Hermitage Hills Baptist Church, in Hermitage, TN, knew they needed a new sound system to accommodate its transition to a more contemporary worship style, but most of the proposed solutions would require moving the church's projection screens, risking potentially expensive architectural changes and still-impeded sightlines. "We needed a sound system solution that would work with the room as it was, and deliver great sound to every seat in the room—that's where we had to start from," explains Chris Orr, the church's Worship Pastor. And that's what they got when Georgia-based Diversified (formerly Technical Innovation's Blue Hat Design) came in and offered a single, elegant, cost-effective solution: a RoomMatch system from Bose Professional. After the installation was complete, "we were stunned—the RoomMatch did everything it was promised to and then some," Orr declared. "I was expecting to at least need tweaks here and there, but we measured it and across 1,600 seats there was less than a half a decibel difference from one corner of the room to the other. The sound was magnificent at all volumes, and the sightlines for the screens were preserved. Bose RoomMatch was very much the right decision."



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## Tegeler Intros Schwerkraft Maschine Compressor

**BOOTH 527** Tegeler Audio Manufaktur, a high-end professional audio gear manufacturer based in Berlin, Germany, is introducing a unique new compressor, the Schwerkraft Maschine, built on an analog tube signal path and controlled by built-in DSP to emulate any type of compressor on the market. The result is the convenience and flexibility of a plug-in with the highly desired sound of all analog hardware.

Schwerkraft Maschine routes incoming analog signal path through four tubes and six transformers, adding harmonic overtones, presence and density to the sound. The result is low frequencies that are more defined and high frequencies that are pleasantly rounded.

Schwerkraft Maschine includes specially designed built-in DSP that generates a control signal for the compressor settings, allowing it to that simulate the behaviors of any type of existing compressor.



Tegeler Audio Manufaktur's Schwerkraft Maschine Compressor