

SBE 70 MINUTES

WOIO/WUAB
1717 E. 12th Street
Cleveland 44114

Gather at 7:00pm
Meeting at 7:30pm

February 2013
Vol. XXI Number 1

September 12th Meeting Info

Our next meeting on Tuesday Feb. 12th at the studios of WOIO / WUAB located in the Reserve Square building, 1717 E. 12th St. Cleveland, OH 44114. The station main entrance is at the corner of E. 12th and Chester. Parking is available at the building for 5 or 6 dollars and accessible from Chester between 13th and 12th streets. You will need to have small bills or change since the attendant is not on duty in the evening. There are limited metered spots out front, and there are other lots in bank buildings at 9th and Chester. Access to the meeting will be through the front door at 12th and Chester. Hopefully some of our folks can walk a block or 2 to make it from their workplace.

The program is from Walt Gumbert National Account Manager, Transmission Products Rohde & Schwarz on Solid State TV Transmitter Efficiency. They have new high efficiency amplifier technologies based on the Doherty method, and Walt will discuss the various methods available, and explain why their version of Doherty is so attractive. The transmitter can achieve 38% efficiency for COFDM signals, and they can deliver an ATSC transmitter that is 40% efficient using Doherty.

The usual times apply, gather and feast at 7 or so with our meeting to go at 7:30

Blake Thompson CBNT
Director of Engineering
WZIP-FM / ZTV www.wzip.fm
SBE Chapter 70 Chairman

CHAIRMAN'S CHAT

by Blake Thompson

Welcome all members and friends of SBE Chapter 70. First off a big Chapter thanks go out to the folks at the Ideastream facilities especially Tom Furnas, Dave Rodriguez, and Thom Dombroski. We had a really good turnout

so I want to thank all the other Ideastream engineers that were able to stick around for our meeting. That facility has undergone massive changes since our last visit and was a great tour with so much going on under one roof. I don't think I've ever seen so many yellow fiber runs (single mode if you remember from our previous meetings) in one place. It's a tribute to the job all of the engineering staff do there.

There's a lot going on in the regulatory end with the FCC TV incentive auction proceedings. Here's a quick summary from the SBE: The underlying message is the potential effect on wireless microphones. The report shows three identified channels for "White Space devices," plus whatever is left over from auctioning off 5 MHz from each 6

(continued on page 2)



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(Chairman's Chat - continued from page 1)

MHz TV channel. The takeaway for broadcasters holding a BAS authorization for operation of wireless microphones in the TV bands is this: They should ensure their studios and other locations of frequent and known wireless microphone use are registered with an approved TV White Space Database system of their choosing. There is no cost to register a location for a licensed user. Failure to register your location may result in interference from a TV White Space device. With unlicensed wireless microphone registration now open nationwide, expect the FCC to soon also authorize TV White Space Device operation nationwide. For our members who work for companies that produce large events that use unlicensed microphones, consider registering those venues for protection. You need to apply at least 30 days prior to the event and must meet FCC eligibility criteria. There are currently two approved TV White Space Database systems: Spectrum Bridge and Telcordia. I would expect the FCC to be approving others before long. Also on Wednesday, January 30, a notice was published in the Federal Register stating that Part 74.605 of the FCC Rules will become effective on April 1, 2013. This rule requires that licensees of TV pickup stations in the 6875-7125 MHz and 12700-13200 MHz bands register their stationary receive sites. This rule is an outcome of the FCC allowing Part 101 users to share these BAS bands with broadcasters. SBE has been following this closely and recently learned that the FCC has worked out an arrangement under which broadcasters who modify their licenses for the sole purpose of registering 7 or 13 GHz receive sites will be eligible for fee waivers until April 1.

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I want to repeat this too, remember that our meetings are open to anyone who has an interest in any part of broadcasting and/or engineering. We welcome everyone to stop by and see what it is we do, or tour the facilities we visit. Students are especially encouraged to attend as we are actively looking for the next generation of engineers to follow us. Also if you know someone who might be interested send their email to me or Bob Leskovec (ralserve@att.net) and we'll get it added to the newsletter list. Bob has volunteered to help get our list up to date and add folks at the various facilities we've visited so they know where we are and then they also have a path to get in touch with us for possible future meetings/programs.



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Blake Thompson CBNT
Director of Engineering
WZIP-FM / Z-TV
The University of Akron
SBE Chapter 70 Chairman

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**NOVEMBER
MEETING AT
WVIZ WCPN
WCLV**



Photos courtesy of Robert Leskovec



SBE 2013 Certification Exam Schedule



| Exam Dates | Location | Application Deadline |
|---------------|----------------|----------------------|
| February 8-18 | Local Chapters | December 31 |
| April 9 | NAB Convention | March 22 |
| June 7-17 | Local Chapters | April 12 |
| August 9-19 | Local Chapters | June 1 |
| November 1-11 | Local Chapters | September 13 |

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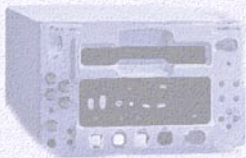
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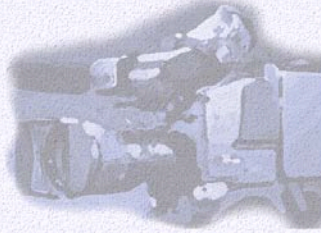
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