

SBE 70 MINUTES

Location to be determined
See "Meeting Info" below



January 2012
Vol. XX Number 1

January 10th Meeting Info

Hello all members and friends of SBE Chapter 70. Big Chapter thanks go out to Jim Davison and everyone at the Baseball Heritage Museum and the Radio Broadcast Exhibit for hosting in Nov. and to Mike Love for the program on Shure's latest microphone technology. We don't have a program for our Jan. meeting but we wanted to get together and talk about the SBE Ennes sessions we hope to have later this year. We would like to get the officers of the Chapter along with anyone else who has some ideas / input for us in the planning of this venture. The meeting time and place are still to be determined with input from those who plan to attend. We're looking at the same Tuesday Jan. 10th date and maybe meet at a restaurant near the Independence area for ease of access for all. This could be a lunch or dinner meeting, we don't know yet. Please contact me with your interest and preferred time at blake@uakron.edu as we want to get an email track so we can reply to all and figure this out. You can also call me if you would prefer at 330-972-6221 during normal office hours.

Thanks,
Blake Thompson CBNT
Director of Engineering
WZIP-FM / Z-TV www.wzip.fm
SBE Chapter 70 Program Chair

CHAIRMAN'S CHAT

by Ed Miller, CPBE

Sometimes moving forward, while learning new technologies, gives rise to traveling backward in time. And so it can be said of our November chapter meeting. For sure we learned new efforts to improving the dynamics of the Shure microphone product all the while visiting the historical Baseball Heritage Museum and the Radio Broadcast Exhibit at Colonial Marketplace. We wish to thank Jim Davidson for his efforts arranging our meeting place at the museum. And a special thank you to Mike Love of McFadden Sales for his presentation showcasing the Axiom Wireless Management Network and demo of the Shure VP89M shotgun microphone.

Hopefully by now, we have recovered from the demands of the holiday season and that the New Year finds all of us in good stead. Renewed, we push forward with plans for yet another year of showcasing the latest in technical disciplines and new products. If you hear or know of some new product or application that would be for the good-of-the-order, please let us know. We are always in search of new interesting topics for future meetings/programs.

Something new is already in the works! We have been approached by SBE National asking if Chapter 70 would be interested in Sponsoring/Hosting an Ennes Workshop. For those of you who have participated in such a program you realize the educational value and prestige associated with hosting the Workshop. As of this printing, final details have not been completed. Additional planning sessions will be scheduled in January and beyond to discuss the details. If you are interested in participating in the planning process, please let me know your intentions and we'll add your talents to the effort. Personally, I hope we will be successful in our efforts to host the Ennes Workshop.

(continued on page 2)



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Now, indulge me for a minute as SBE frequency coordinator. The following information was provided me by Joe Snelson, National VP and Frequency Coordinator. I present it here for the benefit of our Chief Engineers and all individuals charged with maintaining the accuracy of your station's licensing database.

[Television broadcast stations may begin to see fixed link PCNs submitted by commercial frequency coordinators on behalf of Part 101 users proposing to operate in the 7 and 13 GHz BAS band. These fixed links are required to be outside a major market. More specifically, they must be located outside areas where television stations have mobile/temporary fixed authorizations defining a rectangular or circular area around a center point of operation. Other than leaving less spectrum for future BAS expansion by broadcasters, there should not be a major impact on fixed BAS links. Engineering fixed link paths is a "cookbook" process, assuming that all information in the FCC ULS database is correct. As coordinators we must stress the need for stations to insure that their BAS license data is correct in the ULS for BOTH transmit and receive ends of a path. All broadcasters are encouraged to scrutinize their authorization(s) for accuracy. Google Earth mapping and authorization information found at www.fccinfo.com are good tools for this. Also insure such items as antenna heights, EIRP, emissions designators, and antenna make and model are all correct. This may require careful examination of license data in the ULS. All of these items are critical to ensure accuracy in and interference analysis. Of particular concern is the potential interference that Part 101 fixed links could cause to BAS 7 and 13 Hz receive sites used for mobile/temporary fixed operations. Please note the following rule has been added to Part 74.

Article 74.605 Registration of stationary television pick receive sites. Licensees of TV pickup stations in the 6875-7125 MHz and 12700-13200 MHz bands shall register their stationary receive sites using the Commission's Universal Licensing System.

As a side note, I emphasize the need to add receive sites to all 2 GHz ENG licenses. There are still many receive sites that have not been entered into the ULS.]

And while you're in the mood...please up-date me of any changes you may have made adding new equipment, retiring old equipment or any other changes that may affect the current "in-use" frequencies at you station. And finally, brace yourself, FCC clears path for Super Wi-Fi. US consumers will have access to a new range of "super Wi-Fi" wireless services next year after the Federal Communications Commission removed the final obstacle to the commercial use of the so-called "white spaces" of unused spectrum between broadcast TV channels.

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"With this approval of the first TV white spaces database and device, we are taking an important step towards enabling a new wave of wireless innovation," said Julius Genachowski, the FCC chairman, in a statement. "Unleashing white spaces spectrum has the potential to exceed even the many billions of dollars in economic benefit from Wi-Fi, the last significant release of unlicensed spectrum, and drive private investment and job creation."

The white spaces database that has been approved by the FCC's technology office has been developed by Spectrum Bridge and is designed to ensure that devices using the new spectrum do not interfere with adjacent TV broadcasts.

At the same time, the FCC also approved a broadband transmitter component from Koos Technical Services that will be built into white spaces equipment, initially for use in the Wilmington, North Carolina area where the FCC has been conducting white spaces tests. The launch of commercial white spaces services marks a victory for big technology companies including Microsoft and Google, together with consumer groups that have pushed hard for several years for the FCC to make the spectrum available. TV stations and wireless microphone makers had raised concerns about possible interference from the new services. The database and other technical "fixes" are designed to address these concerns.

Spectrum Bridge has also been working with regulators in other countries, including the UK, to win approval for the new services.



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Edward J. Miller, CPBE
SBE National Past-President, SBE Fellow,
SBE Chapter 70 Chairman

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WHAT YOU MISSED...at the November Meeting at the Baseball Heritage Museum and the Radio Broadcast Exhibit



SBE 2012 Certification Exam Schedule



Exam Dates	Location	Application Deadline
February 3-13	Local Chapters	December 31, 2011
April 17	NAB Convention	March 23
June 1-11	Local Chapters	April 13
August 3-13	Local Chapters	June 1
November 2-12	Local Chapters	September 14

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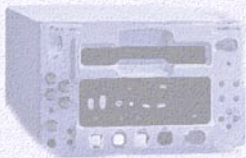
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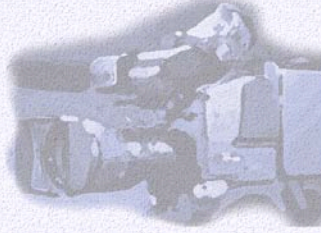
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