



The Society of Broadcast Engineers

**Fox Valley Wisconsin, Chapter 80
2308 East Henry Street
Appleton, Wisconsin 54915-3547**

December 2009

The next meeting of Chapter 80 SBE will be at the Out of Town Club on Tuesday December 15th at 6pm for our annual Christmas Party. Our presenter will be **Tom Hutchison**. Tom will attend our holiday dinner and talk about his new book "*The Land of Milk & Money*".

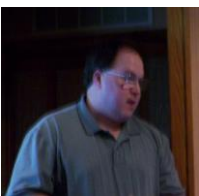
Chairman's Corner

Welcome!

Our next meeting of Chapter 80 will be on Tuesday, December 15, 2009, starting at 6:00 p.m. for cocktails, and 7:00 p.m. for dinner at the Out 'O Town Club in Kaukauna. This is our annual Holiday gathering, to celebrate the seasons, Christmas, Hanukkah, the end of a great year, and the start of the new one.

Our presenter will be Tom Hutchison. Tom will attend our holiday dinner and talk about his new book "The Land of Milk & Money". You can obtain more information from Mark Friedman (who arranged for Tom to present) and also by following this link: http://www.hvsproductions.com/user_documents/Form/Milk&Money_order_form.pdf

Plan to join us, and bring your spouse, significant other, co-workers, etc. The food is delicious, and the fellowship with engineers in the Chapter makes for a fun evening. I look forward to seeing you there! If you will be joining us, please RSVP to Keith: email – kintner@uwosh.edu or phone – (920) 424-7357.



Our November Chapter 80 meeting was held on Tuesday, November 17, 2009 at the Out O' Town Club in Kaukauna, starting at noon. The program was a presentation by Pete Kretche, Network Systems Admin from the UW-GB Computing and Information Technology Department, gave an informative presentation about PC, server and e-mail security. A special thanks to Pete, and to Bill Hubbard for setting up the event.

At our September meeting, a discussion was held regarding switching our Newsletter over to an electronic version, effective in January, 2010. To facilitate the switchover, we will need your current email address. So far, I have received very little response from our members! Please send me an email with your name, email address, and whether you prefer HTML or plain text. My email is: kintner@uwosh.edu I will be sending out a test message to the list by December 15.

This Newsletter will be the last mailed version! We need your email address if you wish to continue to receive our Newsletter. The Newsletter will be posted on our website, and archive copies, as well as other Chapter 80 and SBE information are available as well.

Upcoming events:

Tuesday, January 19, 2010 – SBE Chapter 80 – TBA

Tuesday, February 16, 2010 – SBE Chapter 80 -- TBA

I look forward to seeing you on Tuesday evening, December 15, 2009 at our evening Holiday party in Kaukauna!

Please send me your email address for the changeover in January! My email address (once more) is: kintner@uwosh.edu

Have a very Merry Christmas and a Happy New Year!

Regards, Keith M. Kintner


NOTE: Chapter 80 Newsletter is switching over to IP distribution effective January 2010. Please send your current email address, so that you will be able to receive it to kintner@uwosh.edu



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2010 Broadcaster Clinic date set. There have been many developments since we last met in October for the Broadcasters Clinic which has culminated with exciting news for Broadcasters Clinic 2010. The 2010 Broadcasters Clinic dates has changed. The new dates for the 2010 Clinic will be October 26, 27, and 28. The Madison Marriott West will still be location of the Broadcasters Clinic. The SBE National has selected the Broadcasters Clinic for the site of their 2010 National Meeting and Awards Dinner. Please make note and reserve the dates in your calendar and we look forward to Broadcasters Clinic 2010! Stay tuned for further developments.....

Linda Baun Vice President Wisconsin Broadcasters Association

FCC going ahead with use of TV spectrum for unlicensed use including another fee for Broadcasters

On November 4, 2008, the Commission adopted a Second Report and Order and Memorandum Opinion and Order that established rules to allow new, sophisticated, unlicensed wireless devices to operate in broadcast television spectrum at locations where that spectrum is unused by licensed services. This unused TV spectrum is commonly referred to as television "white spaces." The rules will allow for the use of unlicensed TV band devices in the unused spectrum to provide broadband data and other services for consumers and businesses.

To prevent interference to authorized users of the TV bands, TV band devices must include a geo-location capability and the capability to access a database that identifies incumbent users entitled to interference protection, including, for example, full power and low power TV stations, broadcast auxiliary point-to-point facilities, PLMRS/CMRS operations on channels 14-20, and the Offshore Radiotelephone Service. The database will tell a TV band device which TV channels are vacant and can be used at its location. The database also will be used to register the locations of fixed TV band

devices and protected locations and channels of incumbent services that are not recorded in Commission databases. The Commission decided in the Second Report and Order to designate one or more database administrators from the private sector to create and operate TV band database(s), which will be a privately owned and operated service. Database administrators may charge fees to register fixed TV band devices and temporary broadcast auxiliary fixed links and to provide lists of available channels to TV band devices. (*fcc.gov*)

ATSC Digital Television 8 VSB Transmission System Fundamentals & Measurement Seminar

Hosted by: Milwaukee Public Television (MPTV) Wednesday & Thursday, January 20 & 21, 2010 at the Milwaukee Area Technical College (MATC) 700 W. State Street Milwaukee, WI 53233

Presented by Gary Sgrignoli DTV Transmission Engineer, Meintel, Sgrignoli & Wallace

A 2-day seminar will be presented on the ATSC's digital television (DTV) vestigial sideband (VSB) transmission system fundamental concepts & measurement methodologies. This seminar, a combination of the original VSB Fundamentals and the VSB Measurements presentations. It is aimed at broadcasters, broadcast consultants, equipment manufacturers (broadcast, consumer and test), translator /LPTV operators and cable operators. This updated seminar will help you develop an understanding of 8-VSB transmission system basics as well as measurement techniques in the laboratory, at the transmitter site and at remote field test sites. Practical test equipment information such as features, options, specs and other performance requirements will be covered. Also included is new information on mobile/handheld DTV, Distributed Transmissions & recently learned information on DTV reception. Attendance at this seminar earns one SBE credit towards re-certification and it can facilitate preparation for the SBE VSB Specialists Certification exam.



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Board of Dirs/SBE Liason	Keith Kintner	UWO	920-424-7357	kintner@uwosh.edu

SBE conducts education survey.

96.6% of respondents said that continuing education is important to them.
 74.5% of respondents are using SBE for their continuing education needs. 25.5% are not.
 82.8% of respondents said their employers provide work time (at least sometimes) to participate in continuing education.
 17.2% said employer does not.
 67.5% of respondents said their employers cover costs (at least sometimes) to participate in continuing education. 32.5% said employer does not.
 32% of respondents stated that they take 2-3 days of continuing education per year. 11% (102 respondents) said they take zero days of continuing education per year. That said, 89% of respondents take at least one day per year.
 The most important factors in deciding whether or not to take a course were (1) quality and (2) relevant topic, followed by (3) ability to take course anytime, day or night, (4) cost, (5) available online, (6) location – near where I live, (7) meets (re)certification requirements, (8) course length and (9) recommended by another member, in that order.
 Highest rated listed subjects includes: Digital Television, Digital Radio, Broadband Technologies, Broadcast Engineering Fundamentals, Broadcast Engineering Management, EAS, New Media Technologies, New Receiver and Transmitter Technologies, Data Broadcasting Technologies and Applications.
 Members could list other topics of interest. One that seemed to keep coming up was IT.
 Only 5% of respondents have taken a course on SBE University. 74% of respondents said they are considering taking an online course. 53.4% thought that SBE University is beneficial and valuable to them as a way to learn. 44.6% were indifferent (maybe due in part to having never taken a course through SBE University).
 33.3% of respondents have attended an Ennes Workshop. 85.5% of respondents would consider going to an Ennes Workshop.
 56% of respondents think that Ennes Workshops are valuable and beneficial to them as a way to learn.
 42.8% were indifferent (maybe due in part to having never been to an Ennes Workshop).



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Web Site of the month:

Can your receive antenna see the transmit antenna? Go to tvfool.com and enter your address to see a topographical view of the path between your receive antenna and the stations antenna as well as signal strength. Get similar maps for FM signals at fmfool.com



www.tvfool.com

The SBE Chapter 80 Newsletter is published monthly. Members are welcome to contribute articles or ideas. Please have your submissions in by the 4th of the month to Dave Driessen or Bill Tessman.

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