



# The Society of Broadcast Engineers

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

**February 2008**

The next meeting of Chapter 80 SBE will be at the Out O Town Club in Kaukauna on February 19th at noon. Our program will be "Stuffing 10 Inches of Data Down a 5-inch Pipe." by Jeff Welton of Nautel

## **Chairman's Corner**

Welcome!

Happy Valentine's Day!

Our February meeting of Chapter 80 will be held on Tuesday, February 19, 2008, at noon at the Out O' Town Club in Kaukauna. Jeff Welton, Technical Sales Representative for Nautel, will be talking on "Stuffing 10 Inches of Data Down a 5-inch Pipe." This will include the Nautel NSHD protocol. It's about the challenges being faced by HD broadcasters dealing with the bursty nature of the HD Radio data stream and with varying latencies over different transmission systems. Many of these issues can be overcome with a restructuring of the HD Radio signal, and can frequently offer an improvement in reliability of the HD Radio signal regardless of make of equipment in use.

This promises to be an interesting and informative presentation. Mark your calendar, and bring a friend or colleague.

Our January meeting was held on Tuesday, January 15, 2008 at the Out O' Town Club in Kaukauna. Elmo Reed gave an interesting presentation about some of his early work, including his work on radar during World War II, and had some slides to go along with his talk. A special thanks to Elmo and also Gary Mach.



Our next meetings will be:

Tuesday, March 18, 2008 -- noon at the Out O' Town Club

April 11-17, 2008 -- NAB 2008, Las Vegas, NV

Tuesday, April 22, 2008 – NAB Review/Chapter elections & tentatively, Rubycon audio consoles

Tuesday, May 20, 2008 – tentative -- w/Camera Corner Technology Expo

Wednesday, June 18, 2008 – at the WBA Engineering Workshop, during the WBA Summer Conference (June 18-19), at Stone Harbor Resort, Sturgeon Bay, WI

Tuesday, July 15, 2008 – tentative – Site Picnic

August, 2008 (TBA) – Taste of NAB 2008 Roadshow

Tuesday, September 16, 2008 TBA

Wednesday, October 15, 2008, with the WBA Broadcasters Clinic, and SBE National Meeting (October 14-16), at the Marriott West, Madison, WI

Tuesday, November 18, 2008 TBA

Tuesday, December 16, 2008 (evening) – annual Christmas Party

I look forward to seeing you at our February meeting at the Out 'O Town Club in Kaukauna, on Tuesday, February 19 at noon. Have a very Happy Valentine's Day!

Regards,

Keith M. Kintner

## **Upcoming certification exam schedule**

April 15, 2008	NAB	February 29, 2008
June 6-16, 2008	Local Chapters	April 18, 2008
August 8-18, 2008	Local Chapters	June 6, 2008
November 7-17, 2008	Local Chapters	September 19, 2008

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**WBA Public holds education campaign on the DTV transition** WBA, the Wisconsin Broadcasters Association, is being very active in educating the public on the DTV Transition. WBA will be kicking off a public education campaign on January 29th with a press conference in the Capitol rotunda. This will be followed up by 6 regional public education sessions in the month of March. For information on these two events, see the WBA website: [www.wi-broadcasters.org](http://www.wi-broadcasters.org).

As Engineers, we should be involved in informing our audiences. The regional sessions are open to community groups, local agencies, retailers, etc. I thought it worth sharing this info, in case your management hasn't passed it on to you. WBA is looking to develop a list of people, agencies, groups, etc. to invite to your regional session. If you have ideas on this, please communicate those to your GM so they can be passed on to WBA. They are looking to have a list of invitees by Feb. 15. For questions on these events, email Linda Baun at WBA: [Lbaun@wi-broadcasters.org](mailto:Lbaun@wi-broadcasters.org)

Incidentally, WBA has established a website to answer the public's questions on both digital radio and TV in Wisconsin - with a running countdown clock to Transition Day (we just passed 400 days left!). Refer your listeners to: [www.WisconsinHDBroadcasting.com](http://www.WisconsinHDBroadcasting.com) Gary Timm

**From the WBA...**Your WBA will be hosting DTV regional meetings around the state in March. The purpose of these meetings is to provide education to those who can help get the word out to consumers on the DTV transition. See the below schedule for the Regional location near you!

Day	Date	City	Location
Monday	March 10	Wausau	Leigh Yawkey Art Museum
Thursday	March 13	Eau Claire	Plaza Hotel
Tuesday	March 18	Milwaukee	Hyatt Regency
Thursday	March 20	Green Bay	Lambeau Field
Tuesday	March 25	La Crosse	Stoney Creek Inn
Wednesday	March 26	Madison	Monona Terrace

The regional meetings will all take place from **1 - 2 p.m.** We will show the difference between the analog and digital signal, and provide a converter box demonstration. In addition, we will have time for Q&A and will provide information to attendees on the transition.

While the meetings will be open to anyone, your WBA NEEDS YOUR HELP in putting together a list of people you would like to invite to the meetings, such as Mayors, Area Newspapers, Ethnic Community Leaders, area Legislators, as well as representatives from your local AARP, Aging Commission, Counties Association, City Municipalities, Community Action Coalition, Retailers, Churches, Schools, and organizations such as Meals on Wheels, Red Hat Society, and Assisted Living Facilities. Provide us with full contact information and which regional meeting you would like them to attend and the WBA will gladly send an invitation. In addition, any personal contacts you can make to community leaders, etc. would be most appreciated. Send your list(s) by email to Linda Baun at [lbaun@wi-broadcasters.org](mailto:lbaun@wi-broadcasters.org). If you are sending mailing labels please mail to the WBA attention [www.wi-broadcasters.org/](http://www.wi-broadcasters.org/)

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**CHAPTER 80 ELECTED AND APPOINTED OFFICERS 2006-2007**

Chairman	Keith Kintner	UWO	920-424-7357	kintner@uwosh.edu
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Program Chairman	Bill Hubbard	WBAY-TV2	920-438-3276	bhubbard@wbay.com
Membership Chairman	Al Kilgore	WRVM	920-842-2839	akilgore@wrvm.org
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Past Chairman	Mark Friedman	WPNE TV/FM	920-336-3541	titletownfans@yahoo.com
Board of Dirs/SBE Liasion	Keith Kintner	UWO	920-424-7357	kintner@uwosh.edu

**EAS News** Wednesday 2/6 RMT at 11:50PM was sent by Wisconsin Emergency Management as a CAP alert. It was composed as a text alert, and then a text-to-speech converter at the receiving end at ECB converted it to speech before sending it out on the State EAS Network as an EAS Alert. You will hear the synthesized voice of the text-to-speech converter recorded in your EAS unit if you check it before another alert is received. This was Wisconsin's second CAP-originated statewide EAS RMT, as we prepare for the CAP-based Next Generation EAS.

Gary Timm, Broadcast Chair Wisconsin EAS Committee

**MSTV and 2Ghz relocation** Wisconsin SBE members: MSTV is pushing real hard to get the Nextel 2Ghz relocation project done. In order to avoid having to share the band with the MSS industry they have proposed a new market cutover time line that will prioritize markets based on the markets that MSS wants to occupy first. Another thing they are proposing is to find market coordinators in each market to help guide things along. While the FCC has not yet adopted their plan it looks like they will soon. At your next SBE meeting please discuss it and see if anyone would like to serve as market coordinator in your market.


Thanks.  
Leonard Charles MSTV Engineering Committee

**There are 39 stations in Wisconsin broadcasting 55 HD Radio channels, 5 more coming soon**  
.WisconsinHDBroadcasting.com



**Chris W. Lordots**  
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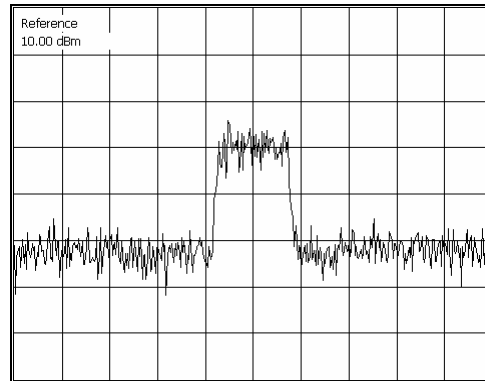
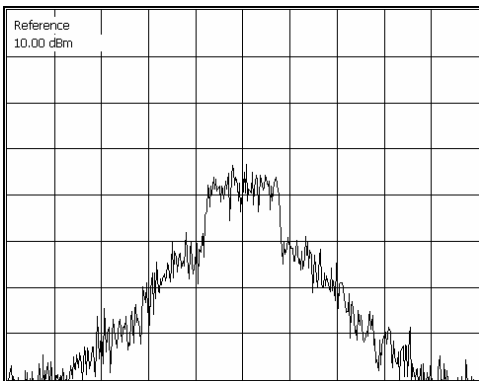
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### Picture of the month



*A nonlinear amp will cause the shoulders to rise on a digital signal. Pictured is a COFDM signal with an 8MHz pedestal. The left picture has a preamp operating near its maximum signal level.*

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