



The Society of Broadcast Engineers

Fox Valley Wisconsin SBE Chapter 80
PO Box 1519
Appleton, WI 54912-1519

March 2010

The next meeting of Chapter 80 SBE will be at the Out of Town Club on Tuesday March 17th at **Noon**. Our program will be by David Driessen "Installing and tuning an Inductive Output Tube."

Chairman's Corner

Welcome to our third eNewsletter!

Our next meeting of Chapter 80 will be on Tuesday, March 16, 2010 at noon at the Out O' Town Club in Kaukauna. David Driessen will be presenting the program: "Installing and tuning an Inductive Output Tube." This promises to be a very informative presentation. Bring along a friend and plan to join us!

Our February meeting was at noon at the Out O' Town Club in Kaukauna. David Kieper, Manager of Network and Infrastructure Services, UW-Green Bay presented a very informative program on computer network security. Dave focused on external threats to data networks from the firewall/switch point of view. This was be an excellent complement to our previous presentation on PC and server security from last fall.

The Newsletter is now switched over to an electronic version. We are still missing email addresses for a few of our members. We need your current email address if you wish to continue to receive our Newsletter. If you know of any member who is not receiving the new version, please send us their email address. The Newsletter will also be posted on our website, and archive copies, as well as other Chapter 80 and SBE information are available as well.

Upcoming events:

April 10-15, 2010 – NABShow 2010, Las Vegas, NV www.nabshow.com

Tuesday, April 20, 2010 – SBE Chapter 80 – [The April meeting presentation will be our annual NAB review.](#)

Tuesday, May 18, 2010 – SBE Chapter 80 -- TBA

I look forward to seeing you on Tuesday March 16, 2010 at our February Chapter 80 meeting in Kaukauna!

Regards,
Keith M. Kintner



Mark Bartolotta
Regional Sales Manager

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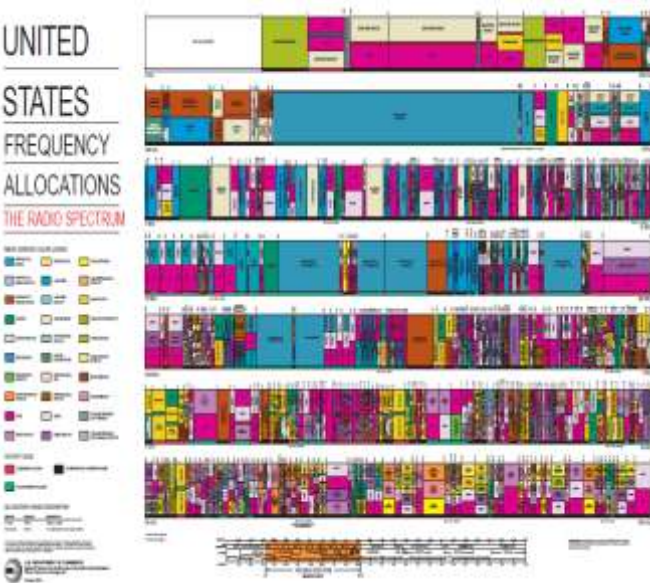
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How can we be out of spectrum already?

The FCC is making a list of all the RF spectrum to find some to use the Wireless Broadband. We can all help them look by studying the chart!:

<http://www.ntia.doc.gov/osmhome/allochrt.pdf>



SBE Membership Drive

Kick off of the 2010 SBE Membership Drive
The Annual SBE Membership Drive has begun and this year the theme is WE MAKE IT HAPPEN.

Whether it is through Certification, Education, Government Relations and or at your Local Chapter, SBE continually strives to make your membership the best it can be.

Help SBE's Membership grow and achieve more by recruiting a new member this year.

The SBE Membership Drive runs from March 1, 2010 through May 31, 2010. For every new Regular or Sustaining Member that you recruit, your name will go into a drawing for this years prizes.

This year the Grand Prize is a Flat Screen HDTV and a trip to the 2010 SBE National Meeting in Madison, Wis, October 26th-27th.

[Here is a complete list of the other prizes and their donors.](#)

In addition to being eligible for Membership Drive prizes, you will also receive a five-dollar discount on your 2011 membership renewal (up to five) for every Regular or Sustaining Member that you recruit. With so many rewarding reasons to recruit new members, it's easy to make it happen!

See page 7 for more information



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CHAPTER 80 ELECTED AND APPOINTED OFFICERS 2009-2010

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Past Chairman	Mark Friedman	WPNE TV/FM	920-336-3541	titletownfans@yahoo.com
Board of Dirs/SBE Liaison	Keith Kintner	UWO	920-424-7357	kintner@uwosh.edu

SBE special meeting invite. Chapter 28 invites members from other chapters to attend their March meeting. The March Meeting will be on Tuesday March 30th at 7:30p.m. 'Primer on the changes within the 2008 National Electric Code as it may apply to Broadcast Engineers'

*Location: JATC MECA Facility
11001 W. Plank Court
Wauwatosa 53226
Presenter: John Cyr*

Topic: John Cyr is an instructor at the Wauwatosa JATC MECA facility which offers programs for aspiring electricians and continuing education in the field of electrical engineering. He actively teaches programs in electrical regulations, transformers, switchgear, and photovoltaic arrays. This month he is working with the SBE to provide our members with a primer on the changes within the 2008 National Electric Code as it may apply to Broadcast Engineers. The meeting will be an open forum discussion, however we plan to cover topics such as theatrical lighting, unique grounding, AFCI's, and changes with circuit breaker disconnects that affect designs for mission critical equipment. This program should be of significant interest to all broadcast engineers who maintain and design studio facilities.

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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From sbe-pdx@radiolists.net...

If you have some spare (used or new) radio broadcast equipment, you can help a struggling FM community radio station in Haiti get back on the air.

Radio is vital to Haitians. Everyone listens. The World Association of Community Radio Broadcasters (AMARC) is helping several community stations get back on the air, since the earthquake. One station, in a small rural community southwest of Port Au Prince (at the epicenter!), is still dark. They lost EVERYTHING, except the tower and antenna.

http://www.youtube.com/janeregana#p/a/u/1/hA_nXAWMXxc

Later this month, a U.S. contingent from AMARC is flying there, with two cargo boxes (hopefully) full of gear to get them back on the air.

See the equipment list and contact information below. All donated equipment needs to be shipped to Texas for crating, and is tax deductible.

Thanks!

Austin Airwaves and AMARC are seeking the following items to help with putting Creole language community radio station *Radyo Zetwal Peyizan "Radio Star of the Peasants"* back on the air at 93.5FM in Fondwa, Haiti. The station was completely destroyed with loss of life, following the devastating 1/12/10 earthquake.

http://www.amarc.org/index.php?p=Haiti_solid_arity_EN

<http://www.amarc.org/index.php?p=home&l=EN>

Equipment Requested by RZP-FM Fondwa, Haiti 3/2/10

One 8 channel and one 4 channel audio mixing board

Three studio cassette players and three studio CD players

Four studio quality microphones

Related hardware: audio cables, stands, anti-pop screens, ext. cords, power strips, etc Four small fans and four LED lights, (no incandescent bulbs)

Small electronics work kit with soldering gun, RCA and XLR connectors, supplies

Solar/hand crank radios (NO battery powered radios)

2 sets of amplified speakers

Two PCs and/or laptops loaded with software for audio production,

(Adobe, Sound Forge, Adobe Audition, Cool Edit Pro, or similar)

Blank cassettes and recordable CDs

Two heavy duty, lockable, wheeled "cargo boxes" for shipping

Heavy duty cable and locks for securing generator and boxes,

Contact: Jim Ellinger @ Austin Airwaves (512) 796-4332 or

jimedia@grandecom.net before March 15th

Visit: www.austinairwaveshaitiproject.com

From Chapter 24

There have been requests for the Dialnorm Paper presented by Steve Paugh at the Chapter 24 January 2010 meeting. Steve has provided his paper for publishing on our web site. You can find it under the "Technical" menu button from the front page < <http://www.sbe24.org> >.

Thanks Steve.

Leonard Charles

National Association of Tower Erectors Publish Hazard Recognition Guide

The National Association of Tower Erectors (NATE, Watertown, S.D., www.natehome.com) has launched a free, Internet-based tower site *Hazard Recognition Guide* with the goal of improving safety on broadcast and communications tower sites. This guide has been designed to help project managers, site superintendents and other responsible personnel on a tower site to recognize and deal with hazardous situations.

The Guide is designed to empower on-site employees of tower owners, carriers, broadcasters and general contractors to recognize hazards on broadcast and communications tower sites and take steps to alleviate those situations quickly and effectively. The Hazard Guide also provides additional resources such as OSHA guidelines where further information about specific topics can be obtained.

As part of its mission to increase safety on all broadcast and communications tower sites, NATE is offering the Guide free to anyone in the industry. To access, go to www.hazardrecognition.com, fill out the (free) registration information, then under COURSES click on the "NATE Hazard Recognition Guide," and under TRAINING click on "NATE Hazard Recognition Guide," and finally, click on the "Run training" button which will initiate the Guide player in your Web browser.

HAZARD IDENTIFICATION GUIDE MENU	
Topic	# of pages
Job site documentation	18
Job site conditions	13
Personal protective equipment (PPE)	11
Fall protection equipment	31
Training	17
Radio-frequency energy (RF)	6
Holsts	31
Personal lifting	22
Rigging and blocks	8
Gin poles	8
Ladders	7

(nab.org)

SBE at the 2010 NAB Show and the NAB Broadcast Engineering Conference

Schedule of SBE Events and Meetings during 2010 NAB Show (February 12, 2010)

Since 1995 the Society of Broadcast Engineers has been NAB's organizational partner for the presentation of the NAB Broadcast Engineering Conference (BEC). Like those previous, this year's BEC will be the largest and most comprehensive broadcast technical conference in the world, beginning with the Ennes Workshop on Saturday, April 10 and ending on Thursday, April 15. SBE will have a full slate of meetings and events during the week and will have a busy exhibit booth that will open beginning Sunday afternoon with hours through Thursday.

SBE Exhibit Booth

SBE's exhibit booth will be on the second floor concourse of the Las Vegas Convention Center South Hall, Lobby Booth 29. The location is just up the escalator from the South Hall main entrance and just outside the entry to the exhibits on the second floor. This is the same location as in recent years. The BEC technical sessions will be located near- by, in the South Hall second floor meeting rooms.

Be sure to stop by the SBE booth while at the convention. We'll have the new SBE CertPreview and all of the SBE published handbooks as well as technical books from major publishers. There will also be an assortment of SBE logo items. Membership renewals and new memberships may also be transacted at the booth. SBE staff and national Board members will be at the booth to answer your questions about membership, certification, educational programs and regulatory issues.

Booth Hours

Sunday - 2:00 pm – 4:00 pm

Monday – Wednesday 9:00 am to 6:00 pm

Thursday 9:00 am – 2:00 pm

Booth Location

LVCC South Hall Lobby Booth 29 near the entrance to the second floor exhibit hall.

SBE SPRING MEMBERSHIP MEETING

Our annual spring SBE Membership Meeting will be held on Tuesday, April 13 from 5:00 pm to 6:00 pm in the South Hall at the Las Vegas Convention Center (room to be announced).

We will be recognizing a number of our local chapter certification chairs during the meeting. Some very nice prizes are planned to give away to those attending. The highlight of the meeting will be the presentation of the SBE Lifetime Achievement Award to an SBE member. The recipient will not be aware of the award until the announcement is made during the meeting.

SBE will hold several other meetings during the 2010 NAB Show that may be of interest to you. (Located at the Las Vegas Hilton Hotel unless otherwise indicated)

Saturday, April 10

Ennes Workshop, 8:00 am – 5:00 pm
(Conference registration required) LVCC South Hall 2nd Floor

SBE Certification Committee Meeting, 6:30 pm – 11:00 pm, Conference Room 7

Sunday, April 11

SBE Board of Directors Meeting, 8:30 am - 12:00 pm; Conference Rooms 1 & 2

SBE Education Committee Meeting, 2:00 pm to 4:00 pm; Conference Room 1

Monday, April 12

Ennes Trust Annual Meeting, 12:00 pm – 1:00 pm, Conference Room 7

SBE EAS Meeting, 2:00 pm – 4:00 pm, Conference Rooms 4 & 5

Tuesday, April 13

SBE Certification Exams, 9:00 am – 12:00 Noon, Conference Rooms 9 & 10

SBE Frequency Coordinators Meeting, 10:00 am – 12:00 pm, Conference Rooms 7 & 8

SBE Spring Membership Meeting, 5:00 pm – 6:00 pm, LVCC Room TBA

Registration Discounts for SBE Members

Members of SBE can register for the NAB convention at a special “partner” rate, a savings of \$100 off the NAB non-member rate. To get the discount, SBE members register using the regular NAB on-line registration form. When completing the form, check the “Partner” box at the bottom and select “Society of Broadcast Engineers” from the drop-down box.

We hope you'll join many of your fellow SBE members April 10-15, in Las Vegas for the 2010 NAB Show and NAB Broadcast Engineering Conference!

(SBE shortcircuits)

National EAS test results for Wisconsin for March 9th test.

Thanks to all who responded with test results.

From those replies it appears:

Milwaukee: Test did not work

Madison: Test did not work

La Crosse: Test did not work

Eau Claire: Test did not work

Green Bay: Test was OK

Duluth: Test was OK

Preliminary word from Weather Service HQ is that there were scattered failures across the country.

Gary Timm

We can "Make it Happen." Help Grow Your SBE!



Your help is needed to help your Society grow. The SBE's annual Membership Drive began this week and will run through May 31. The theme, "We Make IT Happen!" relates to the ability of SBE members that perform at an outstanding level in their workplace every day. As a group, SBE members are asked to "Make It Happen" for membership growth by recruiting one or more new members to the Society during the drive. A strong and vibrant membership is critically important if SBE is to continue to be an effective organization.

To help encourage you, we have lined up some great prizes that anyone who recruits at least one member will be eligible to win. The Grand Prize is a trip to the SBE National Meeting and Wisconsin Broadcasters Clinic in Madison, Wis. on October 26-27, 2010 - AND - a 42" HD TV, provided by the SBE! The prize includes airfare for one from anywhere within the Continental U.S. to Madison, accommodations at the Marriott Madison West for two nights, ground transportation to and from the Madison airport, one free ticket to the SBE National Awards Reception and Dinner and free admission to the Broadcasters Clinic. Other great prizes are also available.

Everyone who recruits at least one new member wins! For each new member recruited during the Drive, the recruiter will receive \$5 off their 2011 SBE membership renewal, up to

a maximum of \$25 off.

Send your recruits to the easy-to-use, on-line [SBE membership application](#). Tell them to be sure to put your name on the "Sponsor" line, which is how you get credit for the recruit.

Prize winners will be announced in mid-June. While new members are welcome throughout the year, your help is needed to recruit during this special membership drive period. Please do your part. Information about membership benefits and services can be found on the SBE website. Hard copies of the same material are available from the SBE National Office.



WiMax in Wisconsin.

WiMAX Maps is an interactive WiMAX deployment mapping database provided by WiMAX Forum and powered by Informa Telecoms & Media's World Cellular Information Service (WCIS). <http://www.wimaxmaps.org/>

Looks like they have it in Madison



Nominate a Member for an SBE National Award

by Jim Leifer, CPBE, chairman, SBE Awards Committee

It is that time of year when we can reflect on members who have done amazing things in our industry. Nominations are now being accepted by the SBE Awards Committee. The SBE's annual awards program recognizes those members who have contributed to SBE, the industry or their chapters in a number of categories. Let everyone know who or what was the best and brightest by making your nominations for the 2010 SBE Awards.



The 2009 SBE Broadcast Engineer of the Year, Craig Strom, with SBE President Vinny Lopez, CEV, CBNT at the 2009 SBE Awards Dinner on October 7, 2009 during the SBE National Meeting in Verona, NY.

There are a few basic requirements to submit a nomination:

Those members being nominated need to have performed their actions anytime from June 1, 2009, through May 31, 2010. The award nominations will be evaluated and selected by the Awards Committee in June and announced in the August issue of *The SBE Signal*. The winners will be recognized at the 2010 SBE National Awards Dinner held during the SBE National Meeting in Madison, Wis. on October 27. The SBE National Meeting is being held in conjunction with the Broadcasters Clinic, presented by SBE Chapter 24 and the Wisconsin Broadcasters Association, which runs from October 26-28.

So who do you think ranks as the SBE Engineer of the Year? The SBE Educator of the Year? The SBE also has a special SBE Lifetime Achievement award (recognized in the

spring at the NAB Show) for those who have made a lasting mark on our industry. I'm sure you know someone who should be recognized. There is also the Technology Award to recognize technical innovation as well as the best chapter website, newsletter, frequency coordinator and other categories.

The SBE Awards Committee needs your input. Members have a direct say in every award, but we need to hear from you. Submit your nomination by using one of the forms below.

[Chapter Awards nomination form](#)

[Individual Awards nomination form](#)

[Info on the Lifetime Achievement Award](#)

If you have questions, please contact me at jimleifer@hotmail.com.

Coming up... two webinars from the SBE

[Leadership Development Series - The Function and Nature of](#)

[Leadership](#) Wednesday, March 10, 2:00 pm to 3:15 pm ET

Led by Rodney Vandever of VanTech Training and Professor at Purdue University

[Event Frequency Coordination 2-part Series](#)

Thursday, March 11 & Tuesday, March 30, 2:00-3:30 p.m. ET

Led by Ralph Beaver, CBT, President and CEO, Media Alert and Frequency Coordinator, Tampa, Fla.; NFL Game Day Frequency Coordinator, Tampa Bay Bucs

TV to voluntarily give up spectrum?

FCC Chairman Julius Genachowski Speaking before the New America Foundation““While overwhelmingly — roughly 90 percent — of Americans receive their broadcast TV programming in most major markets through cable wires or satellite signals, there are still millions of Americans who receive TV through over-the-air antenna TV,” he said in prepared remarks. “Broadcasters would be able to continue to serve their communities with free over-the-air local news, information and entertainment, and they would be able to experiment [with] mobile TV.”



“The Mobile Future Auction would allow broadcasters to elect to participate in a mechanism that could save costs for broadcasters while also being a major part of the solution to one of our country’s most significant challenges,”” he said. (*broadcast engineering*)

FCC Chairman Wants Local TV Stations to “Voluntarily” Return TV Channels and Use Spectrum for Broadband

Responding to a speech given by Federal Communications Commission Chairman Julius Genachowski, David Donovan, president of the Association for Maximum Service Television, Inc. (MSTV) stated: “We look forward to working with the Commission to help facilitate the national

broadband plan. Local television stations are a critical component of this nation’s wireless ecosystem. As a point-to-multi-point service, we are the most spectrally efficient way to transmit high quality video content simultaneously to millions of viewers over large geographic areas. Since the DTV transition, more than 1400 new multicast program channels are now on the air, HDTV news and programs are commonplace, and mobile video is rolling out now! We use spectrum efficiently. MSTV is struck by the apparent focus on reducing spectrum now used by local television stations to achieve the Broadband Task Force’s objective. We have exclusive use of only 5.1% of the so-called beachfront spectrum that broadband services desire.

To this end, we have supported a spectrum inventory to assess spectrum use and demand by all entities using spectrum.

We will examine the “voluntarily” plan closely. In these tough economic times, consumers should not be forced to sacrifice access to their favorite free, local TV programs, news, emergency information, and local mobile video services in order to divert spectrum to the wireless telephone companies that will turn around and provide pay-based services.”

For further information contact David L.

Donovan at 202/966-1956 or

ddonovan@mstv.org.

(*MSTV.org*)

Is your EAS equipment working? The FCC has a place to see what can happen if it doesn’t

Emergency Alert System (EAS) Enforcement Actions

<http://www.fcc.gov/eb/broadcast/eas.html>