



The Society of Broadcast Engineers

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

March 2011

The next meeting of SBE Chapter 80 will be at the Out O' Town Club in Kaukauna, at Noon on March 15th. **The meeting will be at the regular 3rd Tuesday of this month.** Our speaker will be Chris Crump from Comrex.

Chairman's Corner

Welcome to our eNewsletter!

Our next meeting of Chapter 80 will be on Tuesday, March 15th, 2011 at noon at the Out O' Town Club in Kaukauna. Our speaker for the March 15th meeting will be Chris Crump from the Comrex Corporation talking about "Remote Broadcasting: The Convergence of Radio, TV, & IP".

Our February meeting of Chapter 80 was held on Tuesday, February 15th at the Out O' Town Club in Kaukauna. A special thanks to Randy Krull and John Kummings of Baycom for their discussion on 2-way radio narrowbanding requirements and Motorola's solutions and products in analog or digital radio systems.



As you are aware, 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 <http://www.sbe80.org>, and archive copies, as well as other Chapter 80 and SBE information are available as well.

Upcoming events:

- April 9 -14, 2011 – NABShow 2011, Las Vegas, NV www.nabshow.com
- Tuesday, April 19, 2011 – SBE Chapter 80 – "The NAB Review"
- Tuesday, May 17, 2011 – SBE Chapter 80 – TBA

I look forward to seeing you on March 15th, 2011 at our Chapter 80 meeting at the Out O' Town Club in Kaukauna.

Regards,
Timothy J. Laes

Check out the new SBE Chapter 80 online calendar http://sbe.org/calendar/view_1.php?id=106

Certification Exams


Exam Dates	Location	Application Deadline
April 12, 2011	NAB Convention	March 25, 2011
June 3-13, 2011	Local Chapters	April 15, 2011
August 5-15, 2011	Local Chapters	June 3, 2011
November 4-14, 2011	Local Chapters	September 16, 2011



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Don Borchert Broadcasters Clinic Fellowship

Following the passing of Don Borchert, long time Chairman of the annual Broadcasters Clinic, the program committee sought a fitting way to remember him. The Don Borchert Broadcasters Clinic Fellowship presents the opportunity to attend the Clinic to someone who would not have otherwise been able to attend for financial reasons. The program will cover the expenses of the annual recipient(s) under the financial support of all four Wisconsin SBE Chapters and independent donors. In addition the WBA will provide complimentary registration. In this way the program committee felt the name Don Borchert would remain associated with the conference he so dearly guided for over 30 years. 2011 is the kick off year for the Don Borchert Broadcasters Clinic Fellowship. If you or someone you know might benefit from this Fellowship please go to <http://www.sbe24.org> and click on the "Broadcast Clinic" button. There you will find an application form. (sbe24.org)



There you will find an application form. (sbe24.org)

Extra \$100 discount available to members of SBE for NAB Show

SBE is a co-producing partner



with the NAB on this year's NAB Broadcast Engineering Conference (BEC) in Las Vegas and now SBE members can get [\\$100 off the registration fee](#) for either the Conference Flex Pass or SmartPass. This offer is available on the NAB Member, NAB Partner or NAB Non-member conference rates!

The BEC is the oldest and largest of all the conferences held as part of the annual NAB Show. Beginning on Saturday, April 9 with the SBE/Ennes Workshop and running through Thursday, April 14, the BEC is packed with dozens of technical sessions for television and radio engineers. Come for all or part. [Conference registration](#) includes admittance to the largest broadcast and media trade show in the world. (sbe.org)

Get your ham license!

Appleton WI 54911-3970
EXAM SESSION 04/09/2011

Sponsor: Fox Cities ARC

Time: 8:00 AM (Walk-ins allowed)

Contact: George R. Croy
(920) 730-0967

Email: gcmdp@athenet.net

VEC: [ARRL/VEC](#)

Location: Red Cross Building

1302 E Wisconsin Ave
Appleton WI 54911-3970

[/find-an-amateur-radio-license-exam-session](#)



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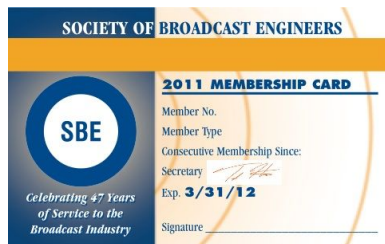
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CHAPTER 80 ELECTED AND APPOINTED OFFICERS 2010-2011

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Frequency Coord. > 1 GHz	Joe Kamenick	KAMENTECH, LLC	715-359-7088	jckamenick@peoplepc.com
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Chapter 80 Webmaster	Jim Jensen	Retired	920-850-2633	jim@bjensen.net
EAS Coordinator	Steve Konopka	WPNE TV/FM	920-336-3541	skonopka@ecb.org
Past Chairman	Keith Kintner	UWO	920-424-7357	kintner@uwosh.edu
Board of Dirs/SBE Liaison	Keith Kintner	UWO	920-424-7357	kintner@uwosh.edu

Membership renewal time is here

SBE membership renewal time is here! Members in the Member, Senior, Associate, Student and Fellow membership categories are receiving their renewal form in the mail now. Save a stamp and some time and [renew on-line](#). It's quick, easy and secure and you'll receive an automated email renewal confirmation message/receipt.



SBE is the only professional organization dedicated solely to the advancement of the broadcast engineer and the field of broadcast engineering. It is *the* source for certification and education within our field. We're

stronger with you as a member - so please renew your membership today.

There are three ways to renew: on-line via the SBE website, by mail and by fax. Membership dues may be paid using a personal or company check, money order, debit or credit card (MasterCard, VISA or American Express). To renew your membership using the on-line system, you'll need your member number and your SBE website password. If you've forgotten your password, an automated "[forgot my password](#)" feature is provided. Your membership number is on your membership card.

If you have any questions about your renewal, or if you do not receive your renewal reminder by February 15, please contact Scott Jones at the SBE National Office at (317) 846-9000 or kjones@sbe.org. (sbe.org)

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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NATE **WAVE** **SBE**

WISCONSIN PUBLIC RADIO'S 2011 EAS SCHEDULE

The Required Monthly Test (RMT) will occur on the First Wednesday of the month. Wisconsin stations should receive an RMT from their regional NOAA weather station on odd months at approximately 8:50am. On even months stations should receive an RMT either from the Educational Communications Board (ECB) Telecommunications Operations Center or from the Wisconsin Emergency Management office (WEM) at Truax Field in Madison, through the State Relay stations at approximately 11:50pm.

If an RMT is carried by the Wisconsin Public Radio stations, they will normally NOT carry a Weekly Test since only one test per week is required. If for some reason a Required Weekly Test is missed or impaired, it will be "made up" on the Friday of that week at the same scheduled time of day. (<http://www.wpr.org/eas/>)

DAY/DATE TIME COMMENT.....

- W 2 Mar 0850 Routine Monthly Test initiated by NOAA
- R 10 Mar 1059
- M 14 Mar 1459
- T 22 Mar 1259
- W 30 Mar 1059

- W 6 Apr 2350 Routine Monthly Test initiated by ECB
- R 14 Apr 1059
- M 18 Apr 1459
- T 26 Apr 1259

- W 4 May 0850 Routine Monthly Test initiated by NOAA
- R 12 May 1059
- M 16 May 1259
- T 24 May 1459

- W 1 Jun 2350 Routine Monthly Test initiated by WEM
- R 9 Jun 1459
- M 13 Jun 1259
- T 21 Jun 1059
- W 29 Jun 1459

FCC Launches Rulemaking to Protect Against Caller ID Spoofing. The Truth in Caller ID Act prohibits anyone in the United States from causing any caller identification service² to knowingly transmit misleading or inaccurate caller ID information. The Truth in Caller ID Act requires the Commission to issue implementing regulations within six months of the law's enactment.⁴ It also requires the Commission, by the same date, to submit a report to Congress on "whether additional legislation is necessary to prohibit the provision of inaccurate caller identification information in technologies that are successor or replacement technologies to telecommunications services or IP enabled voice services."

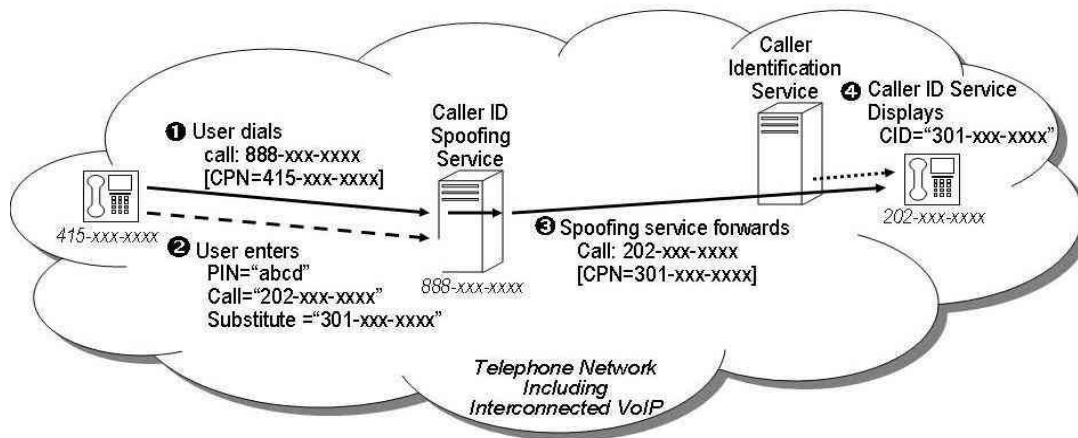


Figure 1

There are a number of ways that caller identification information can be spoofed. Figure 1, below, offers one example of how a caller can spoof his phone number, using a thirdparty caller ID spoofing service. In the example depicted in Figure 1, the caller has already created an account with a caller ID spoofing service, and has a personal identification number (PIN) he uses to access the spoofing service. In order to make a call with a spoofed caller ID, the caller dials the spoofing service's toll free number and when connected to the spoofing service, the caller enters his PIN, the telephone number he wants to call, and the number he wants to have displayed by the called party's caller ID service (the "substitute number"). The spoofing service forwards the call to the telephone number specified by the caller and forwards the "substitute number" as the CPN. As a result, the called party's caller ID service displays the substitute number as the caller ID. (fcc.gov)

Severe Weather Spotter Training Schedule The 2011 training season begins in March. The complete schedule is below--make plans to attend a class nearest you. **Please check the schedule the day of or near the day of training for any late changes or cancellations.**

The two hour seminar is fast paced and filled with information that will help you identify and report severe weather to the National Weather Service. Most of the talks are open to the public and there is no cost to attend. If there isn't a class in your city, please attend a class at a nearby location.

Veteran spotters in good standing must attend a spotter training course at least once every four years--every two years is preferred. For more information about the training or for additional on-line resources, go to our Storm Spotter web page: www.weather.gov/grb/skywarn

All spotters should take the 15 minute online course on [storm report data quality](#). Click [here](#) to begin.

March, 2011 - Upcoming Day City, State Time Location

- 21 Hortonville, WI 5:00pm CDT High School, Room G-150 *Public invited!*
- 23 Manitowoc, WI 6:30pm CDT EOC, 1024 S. 9th St *Public invited!*
- 29 Wisconsin Rapids, WI 6:30pm CDT Wood County Courthouse Auditorium *Public invited!*
- 30 Oshkosh, WI 6:30pm CDT Coughlin Center, 625 East County Road Y *Public invited!*

April, 2011 - Upcoming Day City, State Time Location

- 06 Fremont, WI 6:30pm CDT Fremont Fire Dept, 405 Waupaca St *Public invited!*
- 06 De Pere, WI 7:00pm CDT St Norbert College, Boyle Hall 122 *Public invited!*
- 07 Keshena, WI 2:00pm CDT Legend Lake Lodge N1024 Old South Branch Rd *Public invited!*
- 07 Shawano, WI 6:00pm CDT Shawano County Courthouse, Basement Rooms A-B *Public invited!*
- 09 Appleton, WI 10:00am CDT Grand Chute Town Hall, 1900 Grand Chute Blvd *Public invited!*
- 12 Wrightstown, WI 7:00pm CDT High School Auditorium *Public invited!*
- 13 Chilton, WI 6:30pm CDT Calumet County Courthouse, Rm 025 *Public invited!*
- 18 King, WI 2:30pm CDT WI Veterans Home, Marden Center *Public invited!*
- 18 Clintonville, WI 5:00pm CDT Clintonville Public Library *Public invited!*
- 18 Waupaca, WI 6:30pm CDT County Courthouse *Public invited!*
- 28 Green Bay, WI 7:00pm CDT UW-Green Bay, MAC Hall 208 *Public invited!*

Complete list at <http://www.crh.noaa.gov/grb/?n=spotterschedule>

The deadline is quickly approaching for the **2011 exams held during the NAB show**. The exams will take place on Tuesday, April 12th from 9AM-Noon at the Las Vegas Hilton.

If you are interested in taking a certification exam during this exam time, please fill out the [appropriate application](#) and send it in to the national office for approval. See below for the application cut-off date and other exam opportunities.



SBE 2011 EXAM DATES LOCATION APPLICATION DEADLINE

EXAM DATES	LOCATION	APPLICATION DEADLINE
April 12, 2011	LVH at NAB	
March 25, 2011		
June 3-13, 2011	local chapters	
April 15, 2011		
August 5-15, 2011	local chapters	
June 3, 2011		
November 4-14, 2011	local chapters	
September 16, 2011		

If you have any questions, please contact the Certification Director, [Megan Clappe](#).

**Help your professional society "Raise the Bar"
by recruiting a new member**

**by Scott Mason, CPBE, SBE Membership
Committee Chairman**

The Annual SBE Membership Drive has begun and this year, the theme is **RAISING THE BAR**. Whether it is through certification, education, government relations, or at your local chapter, SBE continually strives to make your membership the best it can be.



Strength in our membership numbers enhances the organization's visibility and credibility. Being an SBE member is a signal to your fellow broadcasters and peers that you are a member of a unique group of dedicated and educated broadcast professionals.

You can help SBE's membership grow and achieve more by recruiting a new member this year. The SBE Membership Drive runs from March 1, 2011 through May 31, 2011. For every new Regular or Sustaining Member that you recruit, your name will be placed into a drawing for this year's prizes. This year the Grand Prize is a trip to the 2011 SBE National Meeting in Columbus, OH, September 27-28.

This year's member drive will see the return of the Golden Recruiter Award. This award will be given to the two chapters (one in each size division*) that have the highest percentage of current SBE members participating in the drive. Both chapters will receive an engraved plaque, recognizing their achievement.

In addition to being eligible for Membership Drive prizes, each member will also receive a five-dollar discount on their 2012 membership renewal for each member recruited, up to a maximum of five (up to \$25 off the renewal).

Have your new recruits join the SBE by going to the SBE website and use the [on-line member application](#). Be sure to remind them to

enter your name in the "Sponsor" field.

*The Golden Recruiter Awards will be presented to two chapters, one whose membership is below the median chapter size and one above the median chapter size. The median was determined as of December 31, 2010.

SBE Legislative Alert

H.R. 607, the "Broadband for First Responders Act of 2011" threatens 450 MHz RPU band

February 21, 2011 - A Bill introduced in the U.S. House of Representatives on February 10, states that within 10 years after the Act is adopted, the entirety of the paired spectrum between 420-440 MHz and 450-470 MHz must be auctioned by the FCC for commercial use. This includes the BAS allocation at 450-451 MHz and 455-456 MHz. There is no proposed replacement spectrum for displaced BAS licensees.

The spectrum targeted is used heavily by commercial radio broadcasters for remote pick-ups, as well as by many other civilian and defense users.

The Bill was introduced by Representative Peter King, (R-NY) who serves as Chair of the House Homeland Security Committee.

The "Broadband for First Responders Act of 2011," has ten cosponsors as of now, including members of both political parties.

SBE has informed the House Homeland Security Committee that it is firmly opposed to the inclusion of Section 207(d) in this Bill. SBE is actively opposing the Bill in its present form in order to protect the important uses made daily by radio broadcasters in the 450-470 MHz band. SBE is urging that this Bill be amended without delay by the deletion of Section 207(d) from it.

SBE encourages members to contact their Representatives and ask them to support the deletion of section 207(d) from H.R. 607. [Click here](#) for more information about this Bill at the SBE website.

John Luff to present a Webinar by SBE on Project Management

The SBE is proud to announce a Webinar by SBE on Managing a Project and Outside Contractors for Success will be held on July 20. This webinar outlines the roles and responsibilities of those involved in planning and executing a capital project, with emphasis on the roles of the station, consultants and system integrators. [More](#)

2011 SBE Membership Drive Kicks Off

The 2011 SBE annual membership drive has now begun. It will run through May 31st. Help grow SBE's membership by sponsoring a new member.

For every new member that you sponsor, your name will be entered in the membership drive prize drawing. You will receive five entries for every Sustaining Member that you sponsor.

You will also receive five dollars off your 2012 membership renewal for each new member you recruit (up to \$25), which means everyone is a winner!

This year will also see the return of the Golden Recruiter award. This award will be given to the top two chapters who have the highest percentage of current SBE members participating in the drive.

[Check out this year's prizes.](#)

Print off an [SBE membership application](#). Make sure you put your name on the "Sponsor's Name/Who introduced you to SBE?" line.

SBE at the 2011 NAB Show The Society of Broadcast Engineers has been NAB's organizational partner for the presentation of the NAB Broadcast Engineering Conference (BEC) since 1995. Following previous years, this year's BEC will be the largest and most comprehensive broadcast technical conference in the world. The conference begins with the SBE Ennes Workshop on Saturday, April 9 and ends on Thursday, April 14. SBE will be very active with a full slate of meetings and events and will have a busy exhibit booth during the week.

To register for the NAB Show, go to www.nabshow.com. SBE members may use the Partner Rate code assigned to SBE of BE25, to get the SBE Partner Rate (If you're employer is a member of NAB, use the NAB Member Rate instead, for the lowest price). An additional code, TF 34, may also be entered by SBE members in Step One of the registration to earn a \$100 discount. This discount is available for the Flex Pass and Smart Pass registration options and applies to the NAB Member, NAB Partner and Non-NAB member rates. (sbe.org)

BROADCAST ENGINEERING AND THE SPECTRUM REVOLUTION

Chris Imlay, SBE's General Counsel, has authored a White Paper on the NBP, offering his views on how it will affect the broadcasting industry and more specifically, the broadcast engineer. Chris says, "This is a revolutionary period in domestic spectrum allocations. The White House's National Economic Council stated recently that freeing up 500 megahertz of spectrum for wireless broadband connectivity over the next ten years is a "national imperative." CTIA, representing wireless carriers, has estimated that it is more like 800 megahertz of spectrum needed in order to keep pace with consumer demand for smartphones and tablet computers."

Chris goes on to predict, "If the allocations envisioned for mobile broadband are implemented on the timetables proposed domestically and internationally, the demand for and the work of television broadcast engineers, radio broadcast engineers and the profession of broadcast engineering will inevitably change substantially. Broadcast engineers stand to be directly and adversely affected by the NBP, and by the worldwide effects that have been triggered by it."

The complete text of [Chris' White Paper](#) on the National Broadband Plan is posted on the [SBE website](#). (sbe.org)

(This paper does not reflect necessarily the views of the Society of Broadcast Engineers, Inc. This paper has not been adopted by or

accepted by the Board of Directors of the Society. The views expressed herein are those only of the author and are not attributable to the Society.)

EAS Update NASBA and NAB recently held an EAS webinar with officials from FEMA and FCC. For details on their statements regarding the National EAS Test, the forthcoming new EAS/CAP rules including new equipment certification, posting a list of equipment conforming to FEMA standards, and the possibilities of FEMA Grant money - see my article posted at www.awareforum.org

Direct article link:

<http://www.awareforum.org/2011/02/an-eas-update-from-fema-and-fcc/>

Gary Timm
WI SECC

Wisconsin Public Radio
Broadcast Engineer Opening

This position provides technical services such as design, construction, installation, repair, maintenance of electronic and mechanical broadcast equipment and systems in Wisconsin Public Radio facilities under the supervision of the Director of Engineering and Operations. Requires: Minimum 5 years experience in Broadcast engineering, proven ability to properly install and maintain broadcast */recording/* transmitting/test equipment; effective organizational and communication skills. Desirable: Training in electronics troubleshooting and repair; computer/network support; SBE certification; personal means of transportation.

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