

The Society of Broadcast Engineers

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

April 2012

The next meeting of SBE Chapter 80 will be at the Out O' Town Club at noon Tuesday April 24th one week later than usual because of the NAB convention. Our meeting will be a review of this years NAB convention.

Chairman's Corner

Welcome to our eNewsletter!

Our next meeting of Chapter 80 will be on Tuesday, April 24th, 2012 at noon at the Out O' Town Club in Kaukauna. The meeting will include a review of NAB 2012. We have a few members of our chapter that are attending NAB this year, and are offering to participate in the presentation. Bring along a friend or two and plan to join us!

Our last meeting was Tuesday, March 20, 2012 at noon at the Out O' Town Club in Kaukauna. Our guest speaker was Bill Miller from Tieline, and along with Bill Gary Tibbot from Broadcaster's General Store. Bill discussed the changing nature of audio remotes with focus on the latest technology. Thank you gentlemen for a great and informative program!

The Camera Corner Connecting Point (CCCP) annual Technology Expo is coming up on Tuesday, May 15, 2012, from 8:00 a.m. to 3:00 p.m. at the KI Convention Center in downtown Green Bay. To register, go to: www.cccp.com,

Under Services click on "Technology Expo" or contact Mary Phillips at (920) 438-0343. This year's theme is **"Roaring Twenties: Technology And All That Jazz"**. This is a free event but you need to pre-register to attend. We'll have a brief discussion at the April meeting regarding the May meeting. If you know of any member who is not receiving the electronic version of the monthly newsletter, please send

us their email address. The Newsletter will also be posted on our website http://www.sbe80.org.

Upcoming events:

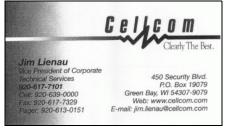
Thursday April 19, 2012 WI Tornado and Severe Weather Awareness Drill with live EAS code test Tuesday, May 15, 2012 – SBE Chapter 80 – CCCP Annual Technology Expo Wednesday, June 20, 2012 – WBA/SBE Summer Engineering Clinic - Radisson La Crosse, WI. Mark your calendars and plan to attend! Tuesday, July 17, 2012 – SBE Chapter 80 Summer Picnic – TBD Tuesday, August 21, 2012 – SBE Chapter 80 - TBD

I look forward to seeing you on Tuesday April 24th, 2012 at our Chapter 80 monthly meeting at the Out O' Town Club in Kaukauna.

Regards, Timothy J. Laes

Still need to renew your SBE membership? Renew now using our easy automated SBE renewal system.







The highly anticipated <u>Certified Broadcast Networking Engineer (CBNE)</u> certification is now available! Get the <u>application</u>.

The first exams for the CBNE will take place during the June 1-11, 2012 exam session. The exam deadline has been extended to April 23 to accommodate all certification applications for the June session.

CBNE CertPreview is ready for download.

If you have considered taking the Certified Broadcast Networking Engineer certification and wonder what the exam will be like, then consider purchasing the download or CD of the SBE CertPreview for CBNE.



The SBE CertPreview for CBNE will have 50+ multiple-choice questions that will help prepare you for the multiple-choice portion of the actual exam. Once you have scored your sample test, you can go back to the questions that you answered wrong. Here you will also find the reference book that relates to that particular question.



For more information regarding the new CBNE exam and study materials, see the CBNE article below.

If you have any questions, please contact the Certification Director, Megan Clappe. (sbe.org)

Featured Webinar by SBE - AM Directional Antenna





Modeling

Presented by Cris Alexander, CPBE, AMD, DRB
This webinar provides a detailed overview of the modeling process, including base impedance matrix and sample system calibration measurements, model construction / calibration and derivation of operating parameters from the calibrated model. The FCC requirements for moment-method license applications will also be discussed.

Who Should Attend

- Engineers who are considering relicensing their arrays using MoM
- ▲ Those who operate MoM-licensed arrays that are facing biennial recertification
- ▲ Engineers who struggle with maintaining monitor points
- Operators of directional arrays with reradiators nearby

Date: May 10, 2012 · 2-5 p.m. ET

Cost: SBE members - \$79; non-members - \$99

More Information and Registration

(sbe.org)

Certification Exam Session Dates

Exam Dates Location Application Deadline
June 1-11, 2012 Local Chapters April 13, 2012
August 3-13, 2012 Local Chapters June 1, 2012
Nov 2-16, 2012 Local Chapters September 14, 2012





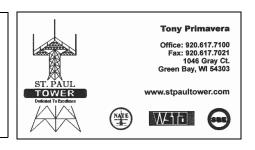


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SONY



CHAPTER 80 ELECTED AND APPOINTED OFFICERS 2011-2012

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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

Purchase Kwik Trip Gas Cards to benefit SBE Chapter 80!

We have been looking for an easy and hassle free fund raiser for the Chapter so we can avoid asking you all for cash donations. This one might do the trick.

The Chapter will make available to all members Kwik Trip Gas and Gift cards usable at any Kwik Trip gas station / convenience store. These are located in Green Bay, Appleton, Oshkosh and most communities in Wisconsin where our members live and work.

You just buy the card with cash or a check made out to SBE Chapter 80, and use it to fill your vehicle or buy groceries at the local Kwik Trip. The Chapter gets 10% of your purchase as a charitable contribution. Simple as that. You pay \$50 for a card and get \$50 in gas or goods. The Chapter gets a \$5 contribution. With all the gas we all buy, this can add up to real money over the course of the year. All you need to do is stop at a Kwik Trip instead of your normal stop. You can pay at the pump with

these cards and never enter the store if that is your preference.

I will have a number \$50 and \$100 cards available at our next meeting. If you want a special order of different denominations or possibly a larger amount, we can make special arrangements. I will also have a list of all Kwik Trip locations so you can find a location convenient to you.

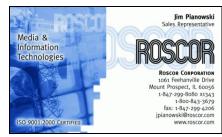
This is a super easy way to support the Chapter and its activities at no extra cost to you! So please consider buying a few cards and using them. Once you see how easy it is, you may well purchase one or two a month. If a number of our members do this, we can easily fund the annual Don Borchert Fellowship Fund contribution and maybe even our annual picnic or other worthy activities. Please consider trying this! Thank you.

Steve Brown Treasurer, Chapter 80

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







WISCONSIN PUBLIC RADIO'S 2012 EAS SCHEDULE

DAY/DATE TIME
COMMENT.....

W 4 Apr 2350 Routine Monthly Test initiated by ECB

R 12 Apr 1059 M 16 Apr 1459 T 24 Apr 1259

W 2 May 0850 Routine Monthly Test initiated

by NOAA

R 10 May 1059

M 14 May 1259 T 22 May 1459

W 30 May 1059

W 6 Jun 2350 Routine Monthly Test initiated

by WEM

R 14 Jun 1459

M 18 Jun 1259

T 26 Jun 1059

▲ Current Wisconsin EAS Plan

http://www.wpr.org/eas/

We're giving away a \$25 Fry's Electronics gift card



Follow @SBEorg on Twitter for a chance to win a \$25 Fry's Electronics gift card, by 1 p.m. PDT, Tuesday, April 17.

The winner will be announced live at the SBE Membership Meeting

in Las Vegas on April 17 at approximately 5:55 p.m. PDT and on <u>Twitter</u>.

Complete rules and entry requirements can be found on the SBE <u>website</u>. (sbe.org)

CBNE - Certified Broadcast Networking Engineer

For two years the National Certification Committee has developed a new certification. The <u>Certified Broadcast Networking Engineer (CBNE)</u> is a new engineering level networking certification. This certification will require a minimum of 5-years of broadcast engineering experience in order to qualify for the exam. The exam itself consists of 50 multiple-

choice questions (this portion is open-book) and an essay question (closed book).

The first exams take place during the June 1-11 exam session with local SBE chapters.

The CBNE does not replace the Certified Broadcast Networking Technologist (CBNT). The CBNT is still a very relevant certification for entry-level networking individuals. The CBNE is an advanced level certification and therefore the content is more complex. This exam is intended for to those in the broadcast engineering field who work closely with networking.

<u>CBNE application</u> \$75 members and \$143 non-members

Preparation Materials

To help prepare for the exam the SBE reccommends that you purchase the <u>SBE CertPreview</u>. This sample test software will give you an idea of what questions and topics will appear on the actual exam.

The National Certification Committee supplied a <u>list</u> of <u>books</u> that were used when creating the CBNE exam.

Some general areas of emphasis on the CBNE exam include:

Audio/video over IP for broadcast, digital content management, video systems in an IT world, data transmission systems and practices, general PC hardware, interconnection, and backup. For more information click here.

Please visit the SBE website or contact the Certification Director, <u>Megan Clappe</u>, for more information.

SBE Leadership Development Course - July 31-August 2

"I learned more about myself in three days than I have in the last 30 years!"

- Robbie Winter, CBT, CTO

The SBE Leadership Development Course challenges you to refine your leadership skills as you better understand and improve how you interact with others. This interactive program is equally beneficial for those who are already in management and for those without prior management or supervisory experience. Subjects include the managing conflict, a self-assessment on leadership behavioral style, generational differences in the workplace and much more.

Location: Atlanta, Georgia

Cost: SBE members - \$590; non-members - \$640

More Information and Registration

Webinars by SBE

TV White Space Devices & Wireless Microphones - May 2 -2-3 p.m. ET with Joe Snelson, CPBE, 8-VSB SBE members - FREE, thanks

SHURE

to performance"
- \$99

; non-members

Click here for descriptions and pricing of all webinars

The FCC is now allowing unlicensed wireless devices to operate in vacant, or TV White Space, channels as well as accommodating

channels as well as accommodating unlicensed microphone use. This webinar provides an overview of what the FCC has authorized for unlicensed devices and how this will impact the daily operations of a broadcaster, news organization or production company.

AM Directional Antenna Modeling - May 10 - 2-5 p.m. ET

with Cris Alexander, CPBE, AMD, DRB SBE members - \$79; non-members - \$99

SBE RF Safety Course - May 24 - 2:30-5:45 p.m. ET with Richard Strickland, RF Safety Solutions SBE members - \$85; non-members - \$125 This popular course on RF includes a new section on how to prove compliance at a broadcast site. Created specifically for broadcast station personnel, this course will benefit chief and assistant chief engineers, transmitter site engineers, ENG and SNG maintenance personnel and management that need to have an understanding of RF safety issues and regulations. The SBE is presenting this course in partnership with Richard Strickland of RF Safety Solutions. SBE chapters and companies are encouraged to secure a suitable training site where local members or employees can participate in the course.

SBE University - online self study courses available on-demand

Featured Course - <u>Television Video and Audio - a</u> <u>Ready Reference for Engineers</u>

Author: Randy Hoffner



SBE members - \$99; non-members -

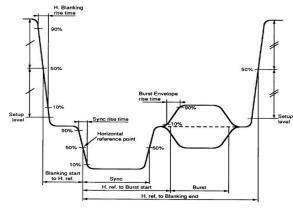
Click here for descriptions \$139 and pricing for all courses

The purpose of this course is to give the television engineer a solid grounding in the various aspects of video and audio for television, and to serve as a ready reference to the pertinent standards. This course provides an overview of video and audio for television, from the dawn of analog television broadcasting to today's digital television transmission. It is specifically aimed at television in the U.S., although, where appropriate, other world television systems are

mentioned.

Subjects of the course include NTSC video and transmission; component video, analog resolution and aspect ratio; digital video and scanning formats; other SD and HD video characteristics; baseband signal interfaces; video compression for DTV; video storage; analog and digital audio; digital audio compression for television; and audio storage.

100 IRE Unit Flat Field Video Signal



This course is for anyone who needs a good grounding in television video and audio, from the relative newcomer to the field who needs to learn all about how television video and audio work, to the experienced engineer who needs to know something about digital.

This course was written for the Society of Broadcast Engineers by Randy Hoffner. Hoffner is retired from ABC Broadcast Operations and Engineering West Coast, where he held the position of Manager of Technology and Quality Control. Prior to 2006, Hoffner spent a number of years at ABC BOE New York, where he worked on advanced television projects including HDTV and early film-to-720p video transfers, accomplished using data telecine transfer techniques.

Hoffner is a Fellow of SMPTE, and has served the Audio Engineering Society as Convention Chairman and Vice President, Eastern Region, US and Canada. He has authored a number of technical papers presented at SMPTE and AES conventions, and published in their respective Journals. For many years he has written a column, "Technology Corner", for the trade publication TV Technology.

More Information and Registration (sbe.org)

Posted by SBE — April 10, 2012



Will you be in Las Vegas next week? If so, stop by the SBE Membership Meeting for a chance to win a \$250 gift. We are giving away a \$250 Best Buy gift card and three \$25 restaurant gift cards. The first 100 SBE members to arrive will also receive a commemorative pen.

Attend the meeting on Tuesday, April 17, from 5 to 6 p.m. in room S225 of the Las Vegas Convention Center. All of this is possible, thanks to <u>Vislink</u> Broadcast. *(sbe.org)*

EAS Action required by April 23

From: sbe-eas-bounces@sbe.org
[mailto:sbe-eas-bounces@sbe.org] On
Behalf Of Gary Timm

Sent: Tuesday, April 10, 2012 8:33 AM To: SBE-EAS Subject: [sbe-eas] Action Required by April 23

Broadcasters and Cable Operators,

As regular readers of this list are no doubt aware, the FCC has prohibited the use of text-to-speech (TTS) technology in CAP/EAS units at broadcast and

cable facilities. Be mindful that this ban takes effect on April 23, the date that the EAS 5th Report and Order becomes law, not the later June 30th date when CAP/EAS equipment becomes mandatory. You must take action to disable the TTS feature in your CAP/EAS unit by April 23 in order to stay legal with FCC rules. For those heading to the NAB Convention next week, you may want to address this issue sooner rather than later. For more details on this story, please see my AWARE post:

http://www.awareforum.org/2012/04/broadca
sters-must-turn-off-text-to-speech/

Gary Timm

And here are instructions for disabling TTS on Sage and DASDEC CAP/EAS units...

Gary Timm

All about April 23, for Sage users.

If you aren't currently using CAP, then don't worry about April 23. You don't need to take any action by April 23.

If you are currently using CAP, for example, in Washington or Idaho, or you are using GSSNET in any of several states, then you will need to disable TTS. You will know if you have set up your ENDEC for CAP reception, it doesn't ship with CAP automatically enabled. If you are using CAP now, you'll need to do the following:

Check www.sagealertingsystems.com starting
Wednesday, April 11. We'll have a link there with
instructions and a link to a new release. You will need to
download a firmware update that supports turning TTS
on and off. Uploading that release to the ENDEC will
turn off TTS. Once you have installed this release, you
will be able to turn TTS back on from a new option on
the front panel or in the settings file. The update
procedure is simple, download a file from our web site,
and upload it to the ENDEC using its web interface.

Looking ahead, all about June 30, for Sage users.

You will need to be receiving CAP messages by June 30. We will have pre-release of the IPAWS enabled ENDEC software out this week. After everyone is back from the NAB show, we'll make that release available for general use.

At that time, we'll include the instructions for setting the IPAWS url.

Harold Price Sage Alerting Systems

To: "SBE EAS Exchange - a mail list for discussion about the Emergency Alert System and other emergency communication issues." <sbe-eas@sbe.org> Date: Tuesday, April 10, 2012, 9:41 AM

Thank you Gary for the timely reminder. It seems unlikely that the FCC would administratively be able to change the TTS prohibition in the short term, whether or not they desire to overturn the decision. For this reason, it is important to look at your EAS and CAP EAS equipment to ensure that any Text to Speech options are

disabled by the time this prohibition comes into effect as law on April 23rd, 2012.

For any users of the DASDEC from Digital Alert Systems, we have issued a brief instruction on how to disable the text-to-speech feature on the DASDEC. This application note can be downloaded from the Digital Alert Systems webpage (www.digitalalertsystems.com) or directly

at http://www.digitalalertsystems.com/pdf/apndas-0128.pdf .

For any users of the One-Net from Monroe Electronics (mainly in the cable and IPTV industries), these same simple instructions apply.

If the FCC amends their prohibition on TTS in the future, then TTS can simply be re-enabled by checking the "CAP Text to Message to Speech"

Please feel free to contact us if you have any questions.

Ed

Edward Czarnecki

Senior Director - Strategy, Development. & Regulatory Affairs

Monroe Electronics, Inc. / Digital Alert Systems

(from the sbe-eas@sbe.org list)

Severe Weather Spotter Training Schedule

The 2012 training season is here. Make plans to attend a class nearest you. All classes are open to the public unless otherwise noted. Please check the schedule the day of or near the day of training for any late changes or cancellations.

The two hour long seminar covers severe weather identification, reporting procedures, and safety. The classes are free.

A live spotter training web seminar ("webinar") has been scheduled for April 21 at 10 AM. This training is for those who live in the NWS Green Bay service area--click here to see a map. High speed internet, a PC, and a phone is required to attend the webinar. Pre-register by sending an email to nwsgrb.training@gmail.com

In addition, on-line self-study spotter training courses are available, which can be taken in lieu of the classes below. For more information about these official NWS spotter courses, visit our Storm Spotter web page: www.weather.gov/grb/skywarn

April, 2012 - Upcoming
Day City, State Time Location
14 Appleton area, WI 10:00am CDT Grand
Chute Town Hall
1900 Grand Chute Blvd.

- 18 Clintonville, WI 5:00pm CDT Clintonville Public Library Local instructor
- 18 Wautoma, WI 6:30pm CDT Waushara Co Courthouse, Demo Room Live training via remote instructor
- 21 NE and NC Wisconsin, WI 10:00am CDT Live web seminar. High speed internet, PC, and phone required. Send email to nwsgrb.training@gmail.com to register.

 Contact Information:
 nwsgrb.training@gmail.com
 23 Hortonville, WI 5:00pm CDT Hortonville High School, Library
- 24 Marinette/Menominee, WI 6:30pm CDT Menominee-Marinette Yacht Club Menominee. MI

Local instructor

- 24 Merrill area, WI 6:30pm CDT Town of Merrill Community Center W4594 Progress Ave.
- 26 Wausau, WI 6:30pm CDT Northcentral Technical College Center for Health Sci Auditorium

May, 2012 - Upcoming
Day City, State Time Location
01 Green Bay area, WI 7:00pm CDT UWGreen Bay
Union-Christie Theatre

- 03 Rhinelander area, WI 6:00pm CDT Nicolet College, Northwoods Center 207-209 5364 College Dr., Rhinelander
- 09 Sturgeon Bay, WI 6:30pm CDT Justice Center
 Advance registration required: Call 920-746-7101
 Contact Information: 920-746-7101
 15 Wausaukee, WI 6:00pm CDT Village Hall, Wausaukee
 428 Harrison Ave

http://www.crh.noaa.gov/grb/?n=spotterschedule (noaa.gov)