



The Society of Broadcast Engineers

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

November 2014

Like us on FaceBook - [facebook.com/sbe80](https://www.facebook.com/sbe80)
Our website sbe80.org
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Our next SBE Chapter 80 meeting will be at the Out O Town Club Tuesday, November 18 at noon. Our speaker will be Al Cherne from Panasonic

Chairman's Corner

Greetings Everyone, Members and guests are welcome at our upcoming Chapter 80 meeting and program to be held at noon on Tuesday, November 18, 2014 at the Out O' Town Club in Kaukauna. We will be welcoming our guest Al Cherne from Panasonic, speaking on the topic of their latest broadcast camera offerings including those containing multiple levels of wireless codecs. This fascinating technology should be of interest to all engineers working in the radio, TV and teleproduction fields.

Our last meeting was held on October 22 in conjunction with the SBE National meeting at the WBA Broadcaster's Clinic at Madison.



(Thanks John for the pictures)



Up coming programs

December is the holiday party on the 16th at the Out-O-Town Club.

A reminder that our Newsletter, Chapter 80 items of interest and a host of other SBE information are posted on our website <http://www.sbe80.org>. Regards,

Steve Konopka

Kwik Trip Gas Card fundraiser Thanks to all of you who have supported the Kwik Trip Gas Card fundraiser over the past several years.

Thanks to eight dedicated participants and the generosity of the Kwik Trip organization, we have raised about \$4,000 (40% of our goal). We originally set out to raise \$10,000 in order to fund our annual obligation to the Don Borchert Fellowship Foundation at the Wisconsin Broadcaster's Association without having to "pass the hat" on an annual basis. I am proud that our membership has helped get us to this point. Kwik Trip has announced changes to their fund raising program which will effectively reduce the donation from 10% of the gas card purchase to 5% plus a bonus if the card is spent on in store merchandise. I predict that this will mean about a 6% or 7% donation instead of the 10% we have enjoyed for the past three years. While this is a bit disappointing, we are still grateful for what Kwik Trip is doing and hope that we can make up the difference by getting more participation in the program.

Here is Chapter 80's plan to deal with these changes:

1. First, encourage all existing participants to continue as they have been – this has been a terrific fund raising program that really is quite painless for our participants! Keep up the good work guys!
2. Second, try and encourage more participation and more sales. The people who have done this successfully have just made it part of their routine with regular purchases – it is hassle free and cost free for participants. Just requires a few simple changes of habit.
3. Chapter 80 will pre buy as many gas cards as it responsibly can before the end of the year to maximize the fund raising benefit.
4. Chapter 80 will look into another fund raising program with another area gas station/convenience store group who offers a similar fund raising plan. If compatible with our group's goals, we plan to offer another option in case that is more desirable to our membership.
5. Encourage all members to at least ask a participant how it works for them so they can determine if this program is something they could support.
6. Offer the heartiest of "thank you's" and congratulations to the participants who have gotten us to this point: Tim Laes, John Pfankuch, Steve Brown, Mike Steele, Mark Friedman, Bill Hubbard, Rita Brown and Keith Kintner. These individuals have purchased approximately \$40,000 in gasoline, car washes and convenience store purchases on behalf of SBE Chapter 80 and the Don Borchert Fellowship Foundation. Seems like a huge number but it was done a tank of gas and a sandwich at a time.

Thank you all for helping the Chapter. Please contact me if you have any questions or would like details on how you can participate. You can buy the gas and gift cards at most local Chapter 80 meetings or we can arrange to securely mail or otherwise deliver them to you. Some members have actually set up automatic payments to the Chapter and receive a card or two monthly at intervals that are convenient to them. Easy and convenient! Consider trying it!

Steve Brown sbrown@wcinet.com sbrown1150@gmail.com

2014 - 2015 Certification Exam Schedule

The following certification exam dates will take place with the local SBE Chapter Certification Chairmen. If you live in an area where there isn't a local chapter, we can find an alternate means of taking the exam.

<u>EXAM DATES</u>	<u>APPLICATION DEADLINE</u>
February 6-16, 2015	December 31, 2014
June 5-15, 2015	April 10, 2015
August 7-17, 2015	June 5, 2015

Click [HERE](#) for the certification applications. If you have any questions contact the Certification Director, [Megan Clappe](#).

CHAPTER 80 ELECTED AND APPOINTED OFFICERS 2011-2012

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Newest SBE University Course

[Perspectives III: Broadcast Engineers and IT Personnel](#), is the final SBE University course in the Perspectives series, which is devoted to helping engineers work with different departments within the station environment. This course examines the dynamic tension that can exist between IT personnel and broadcast engineers. If you have ever been told, "You have chosen operational convenience over network security," this course is for you.

Perspectives III: Broadcast Engineers and IT Personnel, is designed for all broadcast engineers in radio or television facilities and has no technical pre-requisites. The course table of contents includes:

1. Convergence
2. I Did it MY Way: The Problem With Lone Rangers
3. My Way or the Highway: The Problem With Monarchs
4. Who Has My Back? Let's Work Together
5. LANS, WANS, and the Cloud
6. System Vulnerabilities: Threats, Patches and Protection
7. System Maintenance
8. Let's Help the Help Desk

Course author is Gary Ellingson, CPBE, Director of Engineering for Northwestern Media; a subsidiary of the University of Northwestern - St. Paul, in Minnesota. Ellingson has been employed in broadcasting since 1969 and taught electronics technology for 14 years.



Register for the course at the SBE website. The course fee for members of the SBE is \$89; and \$139 for non-members. SBE University courses are on-line and available 24/7/365. Work at your convenience and at your own speed. A certificate of completion is available when you finish and the course qualifies for SBE Recertification credit. Visit the education page on the SBE website to learn more about other SBE University courses the SBE has to offer.

Are You Qualified for CPBE and Don't Know It?

While there are many SBE members certified to the highest and most prestigious level within the organization - Certified Professional Broadcast Engineer (CPBE), we find many members actually qualify for this but fail to realize it! Read on and it may surprise you to find that you are eligible to apply.

An important aspect of the CPBE qualification process is that there isn't an additional examination. The CPBE certification is based upon your many years of experience and references from your peers.

There are two ways to initially qualify.

If you already hold Certified Senior Radio Engineer (CSRE) or Certified Senior Television Engineer (CSTE), then you simply need some paperwork to show that you meet the criteria. If you are not currently certified as a CSRE or CSTE, you need to first sit for either the radio or television senior level exam. Once you hold a senior certification, and have the requisite qualifications as outlined below, you may then apply for CPBE. The second way you may qualify to apply for the CPBE is if you hold a state Professional Engineers license in electrical engineering.

Note, that at the CPBE level, there is no distinction between radio and television.

Once you have qualified by holding a senior certification or a state PE, you will need to also qualify by having the required experience as follows:

Twenty years of professional work employment experience within the broadcast technical industry. Education time does not count unless you hold a state issued registered Professional Engineer (PE) license (electrical engineering only). This counts towards four years of experience. If you hold a PE license and wish to not take the CSRE or CSTE exam, you may do so as long as you can verify that you have 20 years of experience in broadcast engineering or a related field. •Evidence of sufficient knowledge in: •Maintenance •System design •Management/supervision of employees •Continuing education

All candidates must submit the following along with their application and payment: •Two letters of reference from an SBE CPBE or senior certification holder or a PE per above •One additional letter of reference from a person who has supervised your work •If the supervisor you use is certified at the senior or CPBE level, then only two letters will be required as it can count for both categories.

While not required, SBE strongly recommends that a resume be attached to more easily verify your qualifications and years of employment experience. As members of the committee charged with evaluating applications, we can attest to the value of as much relevant information, particularly a resume that an applicant can provide.

Finally, the applicant should supply a brief written statement which explains why you believe your professional experience, educational background and training qualifies you for certification based on the published criteria.

Currently the SBE has 743 individuals who have applied and qualified for certification at the CPBE level. Undoubtedly there are many of you among our membership and others who are at a place in their careers where you would qualify for CPBE certification. We urge you to apply if you meet the criteria. Our wonderful certification staff is always happy to answer your questions and they can always refer to the Certification Committee for answers and further information if necessary.

This article previously appeared in the August 2013 issue of the Signal. The article was written by Hal Kneller, CPBE, AMD, DRB, CBNT and David Priester, CPBE both of the National Certification Committee. For a complete list of SBE Certification FAQ's visit the SBE website

Chief Operator webinar set for January 2015

The first SBE webinar for 2015, "[Chief Operator Responsibilities: What should I be doing?](#)" will be held live on Thursday, January 15, from 2 to 3:30 p.m. ET. The licensee of each AM, FM, TV or Class A TV broadcast station must designate a person to serve as the station's chief operator (FCC Rules 73.1870). This training covers the responsibilities of the Designated Chief Operator and the duties necessary to fulfill this position.

Many Chief operators come to the position with limited technical background; others are proficient with the technical aspects but are unfamiliar with all of the requirements. The webinar will explain the duties performed by each station's Chief Operator. Topics will include:

The station's designation - who is qualified to fill this position

Administrative responsibilities: station logs, EAS logs, official station records

Technical responsibilities: is the station operating by the rules?

Accuracy responsibilities: do the records accurately reflect what happened?

Communication requirements: who does the Chief Operator report to?

Authentication requirements: Authenticate the station's records - your name is on the line

Sample templates of required documents will be provided



Presenting the webinar is Dennis Baldrige, CPBE, 8-VSB, AMD, DRB, CBNT, Senior Member of the SBE, who has worked in broadcasting for over 30 years. Owner of Baldrige Communications, LLC, Baldrige provides contract engineering services to broadcast stations in the Upper Midwest.

The cost to attend is \$49 for SBE members and \$80 for non-members. [Register on-line](#) or for [more information](#), visit the SBE website.

Check out these SBE webinars, coming up in February

[HD Radio Advancement and Trends](#), presented by Alan Jurison on February 4th at 2 p.m. ET; **FREE** to SBE members, [thanks to iBiquity](#).

[ATSC 3.0](#), presented by Richard Chernock on Thursday, February 19th at 2 p.m. ET. The cost to attend this webinar is \$49 for SBE members and \$80 for non-members.

Leonard Charles via googlegroups.com

Hi all. The slides and audio files from those speakers granting us permission have been posted and are now available for review. Please go to:

WBA-SBE-Shows/archives/Clinic2014

2014 Broadcasters Clinic Presentations

Filters, Second Edition, Plus Bob Surette, Shively LabsAudio Slides



Transmission Challenges/Solutions for All-Digital AM IBOC Jeff Welton, NautelAudio

Dense Node Architecture for IP Audio Networks Frank Grundstein, LogitekAudio

Expand Your Remote Capabilities Jake Daniluck, TielineAudio Slides

New AM Detuning Requirements Jeremy Ruck, Jeremy Ruck & AssociatesAudio Slides

From Cow Pies to Contours Leonard Charles, Morgan Murphy MediaAudio Slides

EAS Text Messages Via Radio Steve Johnston, Wisconsin Public RadioAudio Slides

Delivering Content for NextRadio and HD Radio Receivers Paul Brenner, Emmis CommunicationsAudio

Evaluation of Pipe Leg Tower Structures Shawn Knotts, ERIAudio Slides

Audio Over IP, An Undiscovered Country Steve Dove, WheatstoneAudio Slides

NAB Regulatory Update Kelly Williams, NABAUDIO Slides

The State of AM, FM and TV, a Focus on Interference Doug Vernier, V-Soft CommuniationsAudio Slides

Bridging the Gap Between Your All IP Studio and Transmitter Site Jeff Holdenrid, DoubleRadius, Inc.Audio Slides

Green Broadcasting, Saving Your Station Money Charles Kelly, NautelAudio Slides

Interactions Between Internet and Video on the Same Network Stuart Lipoff, IP Action Partners, Inc.Audio Slides

The SBE's 50th Anniversary Joe Snelson, President of SBEAudio

The Evolution of Cellular BondingKen Zamkow, LiveU Inc.Audio Slides

Closed Caption Verification In a File Based Workflow Giovanni Galvez, TelestreamAudio Slides

Closed Captioning for the Web Jim Klas, Wisconsin Public Broadcasting/ECBAudio Slides

Loudness vs Speech Normalization in Broadcast Thomas Lund, TC Electronic, Inc.Audio

Repacking, Preparing Antennas, Combiners, and Transmission LineDan Fallon, Dielectric Audio Slides

Thanks to all speakers, exhibitors, and attendees that came together to make this show another success. Save the dates for next year's shows: The Summer Engineering Workshop will be on June 17th at the Kalahari Resort in Wisconsin Dells. Next year's Broadcasters Clinic will host the SBE National Meetings and will run October 13th thru 15h at the Marriott in Middleton.

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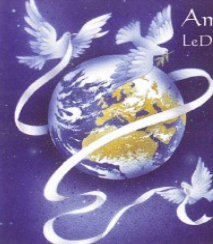
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