



The Society of Broadcast Engineers

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

May 2012

The next meeting of SBE Chapter 80 will be at noon at the KI Convention Center for the Camera Corner Technology Expo on Tuesday May 15th.

Welcome to our eNewsletter!

Our next meeting of Chapter 80 will be on Tuesday, May 15th, 2012 at noon at The Camera Corner Connecting Point (CCCP) annual Technology Expo at the KI Convention Center in downtown Green Bay. We'll hold a quick business meeting at noon. The noon meeting will be held in the cafeteria, hopefully in a reserved area. This is a free event but you need to pre-register to attend. 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"**.

Our last meeting was Tuesday, April 24th, 2012 at noon at the Out O' Town Club in Kaukauna. The meeting included a brief review of NAB 2012 and a Presentation from Scott Michaels of Heartland Video Systems on audio loudness management for television, a result of Congresses Calm Act. CALM stands for Commercial Advertisement Loudness Mitigation. The topic covered audio processing for live content and for file based transfers. Thanks to Scott and Heartland Video Systems for an interesting and informative presentation.



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:

Wednesday, June 20, 2012 – WBA/SBE Summer Engineering Clinic - Radisson La Crosse, WI. Mark your calendars and plan to attend! Register and make your hotel reservations now. For information: <http://www.wi-broadcasters.org>
Tuesday, July 17, 2012 – SBE Chapter 80 Summer Picnic – TBD
Tuesday, August 21, 2012 – SBE Chapter 80 – TBD
Tuesday, September 18, 2012 – SBE Chapter 80 - TBD

I look forward to seeing you on Tuesday May 15th, 2012 at our Chapter 80 monthly meeting at the Camera Corner Connecting Point (CCCP) annual Technology Expo at the KI Convention Center in downtown Green Bay.

Regards,
Timothy J. Laes


Still need to renew your SBE membership? Renew now using our easy [automated SBE renewal system](#).



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SBE University - online self study courses available on-demand

Did you know you can see a **preview of every course** available on SBE University?

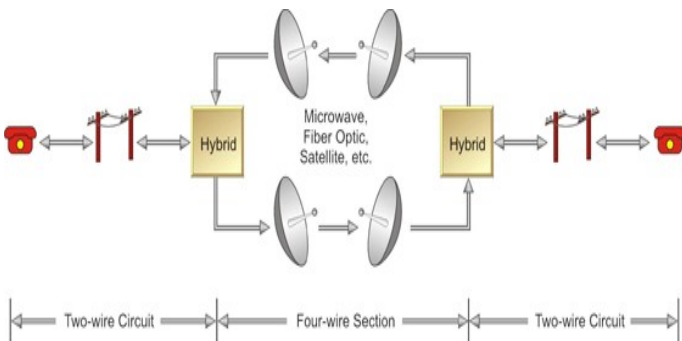
Featured Course - Voice Telco Networks and Studio Interface Systems

Author: Steve Church, The Telos Alliance
SBE members - \$65; non-members - \$85



This course will be of interest to those in both television and radio station facilities. Telco lines and

circuits are integral parts of most broadcast installations. We use regular phone lines for talk shows and contests, we use ISDN lines for remote broadcasts and STL backup, and we use T1 lines for STL applications and business telephone service. The broadcast engineer must have a good understanding of the various types of lines and protocols in order to deal with the telephone companies. It is also helpful to understand telco terms and lingo so that he or she can "speak the same language" when talking with testers, installers and field repair people.



The course provides a complete overview of all these topics, giving the student a working understanding of how the signal gets from end to end, how to troubleshoot telco

problems and how to properly interface broadcast equipment to the telco world. Specific subjects include: analog (POTS) telephone service; digital switched telephone service; special services for broadcast stations; VoIP interworking with the PSTN (Public Switched Telephone Network); the cellular mobile network; broadcast interfacing; and troubleshooting.

Click here for a free preview of the course.

More Information and Registration

Employer Letters for SBE Certification

Something you may consider when you apply for certification is your option to request a letter be sent to your employer from the SBE President.

This letter states that you have obtained a level of SBE Certification.

While the certification itself looks good on a resume, this letter "steps it up" to acknowledge your efforts for career improvement in the broadcast engineering field. (Certification applicants can request the employer letter when they are filling out the certification or recertification application.)

The employer letter is only sent out when the applicant passes an exam.

Please visit the SBE website or contact the Certification Director, [Megan Clappe](#), for more information.

Certification Exam Session Dates

Exam Dates	Location	Application Deadline
August 3-13, 2012	Local Chapters	June 1, 2012
November 2-16, 2012	Local Chapters	Sept 14, 2012
February 8 - 18, 2013	Local Chapters	Dec 31, 2012



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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

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

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

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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/>

SBE Membership Drive enters last month

The SBE Membership Drive is in its last few weeks. With the theme, Connecting Our Future, the recruiting effort encourages each member of the SBE to recruit one new member. SBE Membership Chairman, Tim Anderson, CPBE, DRB, CBNT, urges everyone to help the society grow and connect new recruits with their future by inviting them to become members of the SBE.

Your name will be entered into a prize drawing each time you recruit a new Regular or Associate member, and five times for a new Sustaining Member.

The Grand Prize is a trip to the SBE National Meeting in Denver, Colorado, October 23-25, 2012. The SBE National Meeting is being held in conjunction with the Rocky Mountain Audio/Video Expo and the Broadcast Engineers Boot Camp, conducted by SBE Chapter 48 and the Rocky Mountain section of SMPTE. The prize package includes round-trip airfare for one from within the continental US to Denver

The SBE provides many educational opportunities in May

The FCC is now allowing unlicensed wireless devices to operate in vacant, or TV White Space, channels as well as accommodating unlicensed microphone use. Joe Snelson, CPBE, 8-VSB presents "TV White Space Devices & Wireless Microphones" May 2, from 2 to 3 p.m. EDT. 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. Thanks to [Shure](#) this webinar is free to members of the SBE and \$39 for non-members. Visit the SBE website for [more information](#) and to [register](#).

Richard Strickland of RF Safety Solutions, will cover RF radiation issues and practices for broadcasters, including proving compliance at a broadcast site during the "SBE RF Safety Course", May 24, 2:30-5:45 p.m. ET. The course is designed for broadcast station personnel, including 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 registration fee for SBE Members is \$85 and \$125 for non-members. Visit the SBE website for [more information](#) and to [register](#).

International Airport, two nights stay at the Crowne Plaza Denver International Airport Hotel, admission to the Expo, Boot Camp and SBE National Meeting events, including the annual Awards Reception and Dinner, and free airport shuttle transportation.

More than 30 other prizes will also be awarded, thanks to donations by SBE Sustaining Members. A full list of prizes is available at the SBE website. Each recruiter will receive \$5 off his or her 2013 SBE membership renewal for each new member recruited, up to a maximum discount of \$25. The two chapters whose members collectively recruit the most new members will be recognized with the SBE Golden Recruiter Award.

For [complete details](#), see SBE Membership Drive on the SBE website.



WBA Media Technology Institute

June 18 - 21, 2012 Radisson, La Crosse, WI

Underwritten by the Wisconsin Broadcasters Association and Midwest Communications

Practical, instructional courses for prospective, beginning, and current broadcast/media engineers

3 days of instructional content, 1 day of technical seminars/equipment exhibition as part of the WBA Summer Engineering Conference. Handouts are provided for most sessions.

Day 1 is designed as a general introduction to the profession and is most suitable for prospective and beginning engineers. The first half of the day discusses the business model of broadcasting, how engineering/technical support fits in to the station structure, explains the skill set required for success in the field, and how “traditional” engineering is now only a part of the skill set required. A typical day in the career of a broadcast/media engineer is discussed, along with the interactions among various departments in the traditional radio/TV station structure.



Following a break for lunch, the afternoon sessions are dedicated to a general description of radio and television studio design, and well as program distribution and delivery. Engineering roles in development, construction, and modification of these facilities will be emphasized.

The final Day 1 session will discuss in detail the changes in workflow, responsibilities, and job functionality that follow from the increasing digitization of both radio and television facilities.

Day 2 is completely devoted to an in-depth survey of RF fundamentals for radio and television. The instruction begins with basic atomic/electrical theory, and proceeds to detailed discussion of the development of the art and science of RF generation, including telegraphy, AM and AM Directional, FM, and Television VHF and UHF. Antenna theory is also included, as is a demonstration of typical test and measurement equipment used in diagnosis and repair of RF systems. The session concludes with a discussion of the IBOC digital radio platform and the 8VSB digital television transmission standard.

Day 3 is spent in attendance at the annual WBA Summer Engineering Conference. This day-long event begins with multiple technical presentations by vendors and clients, features an afternoon engineering luncheon, and then concludes with more technical presentations. Following the final presentation, there is an Engineering reception, with technical exhibits and discussions with equipment vendors, followed by an informal dinner.

Day 4 features a morning presentation dedicated exclusively to IT/Network fundamentals for radio and television, progressing from a demonstration of IT networking through more advanced areas of IP management and network design as typically seen in radio/TV facilities. Following lunch, the afternoon session includes three modules: FCC Rules/Chief Operator Duties for radio/TV; Safety/Security for Engineers and the general public; and concludes with a general Q&A session about the broadcast/media engineering profession. WBA OFFICE: 1-800-236-1922