



The Society of Broadcast Engineers

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

January 2014

The next meeting of SBE chapter 80 will be 7pm on Tuesday evening January 21st at the Out O' Town Club.

Chairman's Corner

Greetings Everyone,

I sincerely hope everyone had nice holidays! It's that time again for Chapter 80 to celebrate the passage of a great year and the start of a new one, with our annual holiday party to be held on Tuesday evening, January 21 at the Out O' Town Club in Kaukauna.

We are honored to be welcoming guest speaker Mr. Duke Wright, President and CEO of Midwest Communications, Inc. of Green Bay. An engineer himself, Duke began by opening a single radio station at Wausau in 1958 and has grown his company to 62 AM and FM facilities across seven Midwestern states. His familiar local holdings include WIXX, WTAQ, WNFL and WNCY.

Plan on joining us and bring your spouse, significant other, co-workers, etc. for cocktails at 6 PM and dinner at 7.

Our last meeting was held at Out O' Town Club on Dec. 17th, 2013, where we held our business meeting and enjoyed good conversation among our fellow members.

Please visit our Chapter website, www.sbe80.org for items of local interest and a host of other SBE informational postings.

Regards,
Steve Konopka

New SBE Board member

As you may be aware, we have had a vacant director's seat on the board since Andrea Cummis moved to an officer position on October 30. I am pleased to announce that the Executive Committee has appointed Kimberly Sacks, CBT to fill Andrea's unexpired term (through October 8, 2014). Kim works for CBS Radio in Washington, D.C. and lives in Hollywood, Maryland. She has been a member of SBE since 2007 and is looking forward to joining the SBE Board and being an active participant.

JOE SNELSON, CPBE, 8-VSB

President | Society of Broadcast Engineers jsnelson@sbe.org

Certification

Exam Dates	Location	Application Deadline
February 7- 17, 2014	Local Chapters	December 31, 2013
April 8, 2014	NAB Convention	March 31, 2014

CHAPTER 80 ELECTED AND APPOINTED OFFICERS 2011-2012

Chairman	Steve Konopka	WPNE TV/FM	920-336-3541	skonopka@ecb.org
Vice Chairman	Tim Laes	WGEE WIXX WNCY WROE	920-435-3771	tlaes@new.rr.com
Treasurer	Steve Brown	WHBY WAPL WKSZ WZOR	920-733-6639	sbrown@wcinet.com
Secretary	Keith Kintner	UWO	920-424-7357	kintner@uwosh.edu
Program Chairman	John Pfankuch	Heartland Video Systems	920-893-0204	jpfankuch@hvs-inc.com
Program Chairman	Bill Hubbard	UW Green Bay	920-465-2510	hubbardw@uwgb.edu
Membership Chairman	Mark Friedman	WPNE TV/FM	920-336-3541	mfriedman@ecb.org
Sustaining Membership	Stu Muck	Muck Broadcast services	920-960-0045	MBSFDL@yahoo.com
Frequency Coord. < 1 GHz	Tim Laes	WGEE WIXX WNCY WROE	920-435-3771	tlaes@new.rr.com
Frequency Coord. > 1 GHz	Joe Kamenick	KAMENTECH, LLC	715-359-7088	jckamenick@peoplepc.com
Newsletter Editor	Bill Tessman	Heartland Video Systems	920-893-4204	btessman@hvs-inc.com
Newsletter Editor	Dave Driessen	WGBA WACY	920-494-2626	ddriessen@nbc26.com
Certification Chairman	Jim Sams	UWGB	920-465-2572	samsj@uwgb.edu
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
Board of Dirs/SBE Liaison	Keith Kintner	UWO	920-424-7357	kintner@uwosh.edu



Start planning now for recertification

The SBE National Certification Committee has produced a [brochure](#) that you can use to help keep track of the activities you have completed during the 5 years of your SBE certification.

There is also an [excel spreadsheet](#) that you may use if you prefer to keep track on your computer.

Access the brochure or excel spreadsheet [here](#).

If your certification expires **January 1, 2014**, please fill out the [re-certification application](#) and send it in to maintain your SBE certification.

Upgrade your SBE Certification

If you currently hold a Certified Senior Radio Engineer (CSRE) or a Certified Senior Television Engineer (CSTE) certification and you have worked in the industry for at least 20 years, you may want to consider upgrading to the [Certified Professional Broadcast Engineer \(CPBE\)](#). **There is no exam involved.** You can find more information about the CPBE and applications [here](#).

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



Discount Registration to NAB Show Available to SBE Members

Through a special arrangement with the NAB, members of the SBE who are not eligible for the NAB member rate through their employers, are able to receive a \$100 discount off full-conference registration for the 2014 NAB Show.

[Register at the NAB show website](#). Use the special SBE code, **EP06** in the appropriate field when

completing your registration. The same code may also be used to get a free exhibits-only registration. The SBE is a conference partner with the NAB, helping to produce the NAB Broadcast Engineering Conference at the 2014 NAB Show.

Jan. 30 is Advanced IP Networking - The Network of Networks

The next SBE Advanced IP Networking webinar is Thursday, January 30 when Wayne Pecena, CPBE, 8-VSB, AMD, DRB, CBNE presents The Network of Networks. The webinar builds upon the fundamentals of IP Networking presented in SBE IP Networking webinars offered previously. The fundamental principles become the foundation to applying previously learned theoretical concepts into real world practical implementations.

The live, ninety minute webinar begins at 2 pm ET and will focus on implementation of multiple, isolated but structured networks built on a common physical infrastructure. Examples of isolated networks will include performance, security and policy factors that may be used in implementation decisions. Implementation examples will use actual network equipment configuration.

Pecena is director of engineering at Texas A&M University and is responsible for leading technology implementation for the enterprise network of the Texas A&M University System, supporting over 150 IP data locations and over 350 videoconference sites within Texas and internationally. In addition, he is responsible for broadcast technology implementation at KAMU. Pecena has more than 35 years of broadcast telecommunications experience and holds BS and MS degrees from Texas A&M University.



Wayne Pecena, CPBE, 8-VSB, AMD, DRB, CBNE

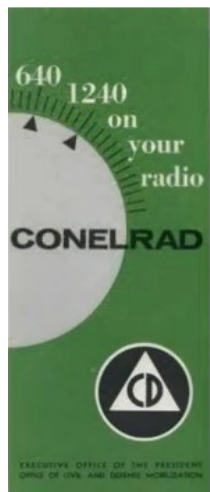
Prerequisite Knowledge- Attendees should have knowledge of IP networking concepts that includes OSI Layers 1-3, Ethernet switching, IP routing and VLAN principals.

Registration fee for members of the SBE is \$49. The fee for non-members is \$80. [Register on-line](#) at the SBE website. For more information on this webinar visit the [SBE website](#)

Video of the month: WPGC CONELRAD TEST (1961)

<http://www.youtube.com/watch?v=YNlegf2HzYA>

“If the audio fades turn up the volume”



Schematic of the month. Remember getting a service manual with drawings and scope pictures? The text says not to adjust L21 and L22 and to contact your RCA Service Company field office if service is required (from a RCA TR-50 quad tape machine)

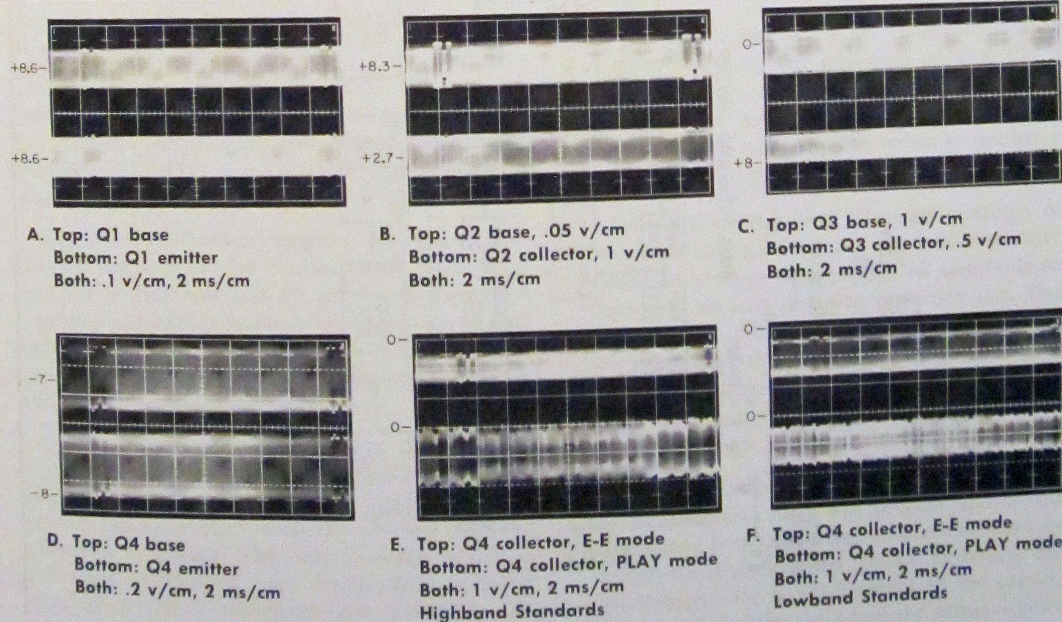
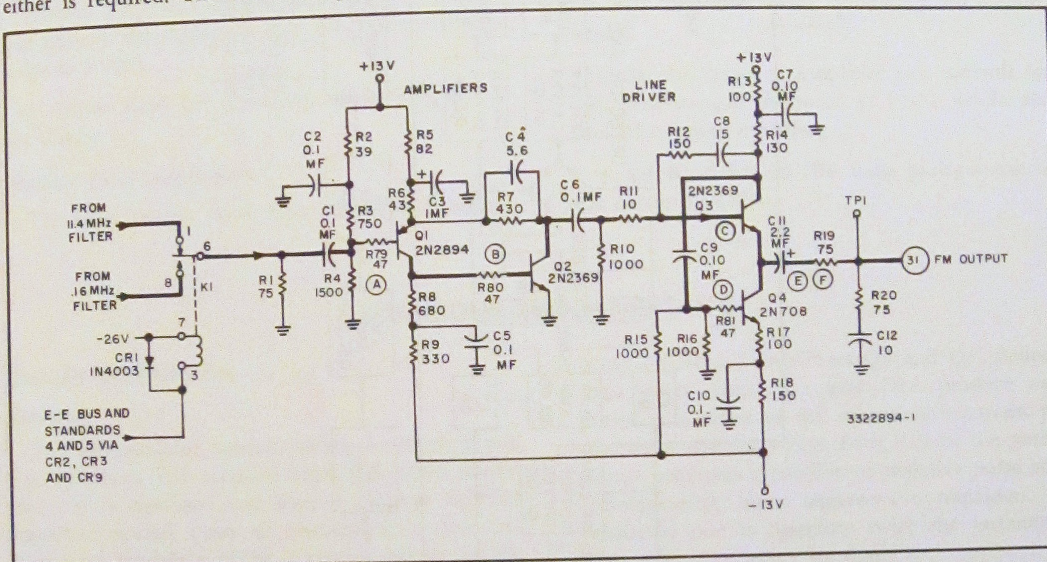
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unless positive determination is made that any other defect has been corrected and an adjustment is the only remaining requirement for optimum performance.

Although the adjustments described for this module are separated, they are directly related to each other and necessitate that both be performed if either is required. The should be performed in the

order presented.

NOTE: Adjustments for inductors L21 and L22 are not described because special test equipment is required that is capable of measuring response definition of plus or minus 0.1 dB from 0.1 to 14.0 MHz. Consequently, the settings for these inductors are locked in place with red or blue sealant. Contact your RCA Service Company field office if service is required.



All waveforms in PLAY mode unless noted otherwise.

Figure 81—Output Amplifier and Line Driver, Schematic Diagram and Typical Waveforms

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