



The Society of Broadcast Engineers

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

September 2014

Our next SBE Chapter 80 meeting will be at the Out O' Town club at noon on Tuesday Sept 16th.

Greetings Everyone,

We cordially welcome you to attend our next Chapter 80 monthly meeting and program to be held on Tuesday, Sept. 16th 2014 at the Out O' Town Club in Kaukauna. Our program, in conjunction with Werner Electric and FLIR, will feature a demonstration of FLIR handheld infrared thermography by Mr. Michael McKibben, FLIR District Sales Manager.

Our last meeting was our Summer Picnic, where we enjoyed nice weather at scenic Rib Mountain State Park at Wausau. A special thanks to our members for making this a nice event which included a tour of the combined broadcast transmitter facility.

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



Upcoming Events

October 21-24 – Broadcasters Clinic, Madison Marriott West

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>
November 7-17, 2014	October 6, 2014
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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FM HD Power Levels subject of September webinar

In 2010, the Federal Communications Commission adopted new technical rules to permit FM stations to voluntarily increase hybrid digital power levels from -20dBc to -14dBc for most stations, and set a system to allow some stations to achieve up to -10dBc. Since that date, many stations have updated their transmission facilities to take advantage of the power increase. Most automotive manufacturers are including HD Radio in many of their latest vehicles.

The next SBE webinar "Field Observations of Elevated FM HD (IBOC) Power Levels" on Wednesday, September 24th from 2 to 3 p.m. ET, will present some of the tangible benefits of elevated digital power, as well as some of the shortcomings to help engineers better understand digital radio coverage and performance at various power levels.

Presenting this SBE webinar is Alan Jurison, CSRE, AMD, DRB, CBNE. Jurison is a senior operations engineer in the corporate Engineering and Systems Integration Group of Clear Channel Media and Entertainment. He has been in the radio industry for 20 years and offers a unique prospective on the convergence of IT and Broadcast Engineering.



Alan Jurison, CSRE, AMD, DRB, CBNE

The completion of this webinar qualifies for 1 credit, identified under Category I of the Recertification Schedule for SBE Certifications. [Registration](#) is available on-line at the SBE website. **SBE Members: \$49** Non-Members: \$80 See the SBE website for more information or contact Kristin Owens, SBE Education Director at kowens@sbe.org.

From: **Leonard Charles** <lcharles@wisctv.com>
Subject: SBE-WI 2014 Broadcasters Clinic

Hello Wisconsin SBE members.

The session agenda for the 2014 Broadcasters Clinic has been getting rave reviews. It's going to be another great conference. <http://www.wi-broadcasters.org/events/broadcasters-clinic/>

The TV Spectrum Auction, the AES67 standard, an all-digital AM band, Building an AM Directional from scratch, Video on your LAN, and ATSC 3.0 are just some of the cutting edge subjects that will be covered in depth at this year's Broadcasters Clinic. You'll want to reserve your seat early so you don't miss out on the latest industry technology advances and updates, as well as a strong vendor exhibit floor. It's the next best thing to attending the annual NAB conference, and it's right here in Madison. By now you should have received the Clinic packet in the mail from the WBA which includes the session agenda (also included in this newsletter) and a registration form. Electronic registration and the expanded agenda are available at <http://www.wi-broadcasters.org/events/broadcastersclinic/>

Mark your calendar now for October 21st, 22nd, and 23rd at the Madison Marriott West. The good seats are going fast. The Clinic Committee looks forward to seeing you there.

Many of you have already registered, so many that our room block at the Marriot has been sold out. Never fear, we have secured another block of rooms at the same rate (\$118) at the Holiday Inn only ½ mile away from the Marriott. Its located at 1109 Fourier Drive, Madison, WI. You can reserve your room there by calling (608) 826-0500. Make sure you let them know you are with the Broadcasters Clinic to get the reduced rate.

There are a few "Tuesday Night Only" rooms remaining at the Marriott but we ask that you make that reservation by calling Linda direct at the WBA (800) 236-1922.

Also the application period for the Don Borchert Broadcasters Clinic Fellowship is open. The selected recipient will have all Clinic related expenses paid along with registration. An application can be found on line at <http://www.sbe24.org/WBA-SBE-Shows/archives/DBF/DBF-App.pdf> .

We look forward to see you all October 21st thru 23rd at the Clinic.

Leonard Charles

WBA-SBE Broadcasters Clinic Program Chair

Madison, WI

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SBE National Board election results

SBE membership has elected Joseph Snelson, CPBE, 8-VSB to a second term as national president. He begins his one-year term on October 8. As president, Snelson leads the 5,000+ member organization and presides over its national board of directors. Snelson is vice president of engineering at Meredith Corp., Las Vegas, Nev.

Elected vice president for a second term is Jerry Massey, CPBE, 8-VSB, AMD, DRB, CBNT of Greenville, S.C. Massey is corporate regional engineer southeast and director of engineering for

Entercom Greenville, LLC. Elected to a fourth one-year term as secretary is Jim Leifer, CPBE, of Boynton Beach, Fla. He is director of engineering and IT for Clear Channel South Florida. Elected treasurer for a second term is Andrea Cummis, CBT, CTO of Roseland, N.J. Cummis is a broadcast consultant and owner of AC Video Solutions.

Elected to two-year terms as directors on the board are:

Tim Anderson, CPBE, DRB, CBNE - GatesAir, Mason, Ohio

Benjamin Brinitzer, CPBE, AMD - Clear Channel Media & Entertainment, Charlotte, N.C.

Gary Kline, CBT, CBNT - Cumulus Media, Atlanta, Ga.

Wayne Pecena, CPBE, 8-VSB, AMD, DRB, CBNE - Texas A&M University, College Station, Texas

Kim Sacks, CBT - CBS Radio Washington, D.C., Lanham, Md.

Eric Schechter, CBRE; CBS Radio/Phoenix, Scottsdale, Ariz.

Those just elected join five other directors who have one year remaining in their two-year terms:

Ted Hand, CPBE, 8-VSB, AMD, DRB - COX Media Group-Charlotte, Charlotte, N.C.

Kirk Harnack, CBRE - Telos Systems, Nashville, Tenn.

Mark Heller, CPBE, CTO - WGBW/WLWB Radio, Two Rivers, Wis.

Ched Keiler, CPBE, 8-VSB, CBNT - Broadcasting Consultant, Ft. Lauderdale, Fla.

Dennis Wallace, CBTE - Meintel, Sgrignoli & Wallace, Waldorf, Md.

Ralph Hogan, CPBE, DRB, CBNE, Immediate Past President - KJZZ-FM/KBAQ-FM, Tempe, Ariz., also serves on the Board for the coming term.

Changes to FCC rules for Tower lighting by Tom Smith [sbe24]

On August 8th, the FCC adopted and released a Report and Order (http://transition.fcc.gov/Daily_Releases/Daily_Business/2014/db0808/FCC-14-117A1.pdf) concerning the rules for tower registration and maintenance.

The purpose of the rulemaking was to harmonize its rules with the FAA's. Changes include the FCC adopting the FAA no-hazard determination, in most instances for antenna structures lighting and marking requirements, and eliminate its references to older FAA circulars in Part 17 of the FCC's rules. The FCC reserves the right to add additional or different requirements if they determine there is an aviation hazard.

- They will not require updating to new lighting standards unless the FAA mandates it. Conservation groups wanted the FCC to mandate that steady burning sidelights be extinguished as a result of a FAA study on side markers and bird deaths. The FCC will wait on this issue until the FAA makes a final determination on this issue.
- There are many other rule changes.
- They include requiring an application for a new Antenna Structure Registration (ASR) when changing the height of an antenna structure by one foot or more and changing the location by one second or more,
- changing the notification period for ownership changes and completion of construction or dismantlement from 24 hours to five days and continue to allow voluntary registration of towers that normally do not require registration.
- The FCC will only require the posting of the Antenna Structure Registration at all entrances to the tower site for single tower facilities. Multiple tower sites will require the posting of the ASR at the entrance and at each of the towers. Tower owners will now be allowed to e-mail or use other electronic means to notify tenants of an ASR change by providing a link to a copy of the registration instead of providing a paper copy.
- There were changes to the monitoring requirements of lighting systems with the elimination

of the quarterly light system inspection, if there is a robust monitoring system that can notify a manned operation center 24 hours a day of lighting failures. Also, they eliminated the rule requiring the FAA being notified by telephone or telegraph of a lighting failure.

- Notification of a lighting failure will now be subject to means that are acceptable to the FAA which is currently a toll-free telephone number. Any notification of a lighting failure must be renewed every 15 days if not repaired. The FCC declined to set a deadline for making lighting repairs but stated that they should be made as soon as practicable.
- Lighting monitoring logs must now be kept for two years. There was no retention period in the rules other than the logs had to be saved.
- Finally, the FCC adopted the FAA's "In-Service Aviation Orange Tolerance Chart" as a reference for checking paint on a tower. To determine if the tower needs to be repainted the paint color on the upper half of the tower should be compared with colors on the chart. The rule changes should make many tower regulations easier to understand and to comply with. Tower owners should check the new rules to see what changes affect them.

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