



The Society of Broadcast Engineers

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

September 2013

The next meeting of SBE chapter 80 will be noon on Tuesday September 17th at the Out O' Town Club

Chairman's Corner

Greetings Everyone,

Members and guests are welcome at our upcoming regular Chapter 80 meeting on Tuesday, September 17, 2013 at the Out O' Town Club in Kaukauna.

Our noon meal will be followed by our business meeting and good fellowship and conversation.

We are saddened by the loss of long-time Green Bay market engineering associate, Greg Bennett of WFRV TV. We offer our deepest condolences to his family.

Our last meeting was on August 20th, where we proudly presented Bill Hubbard with the SBE 2013 Chapter Engineer of the Year award.



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

Broadcasters Clinic Registration

October 8-10, 2013 Madison Marriott West Hotel, Middleton, WI

[Click here to register](#)

Certification

Exam Dates	Location	Application Deadline
November 1-11, 2013	Local Chapters	September 13, 2013
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
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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



SBE Certification Exams in Local Chapters

Locally proctored SBE certification exams are being offered November 1 -11, 2013. The deadline to apply to take an exam during the period is September 13. Applications are available at the SBE website.

Webinar on AM Rule Changes coming in October

Cris Alexander, CPBE, AMD, DRB of Crawford Broadcasting, will explain the changes the FCC recently made to AM radio station rules in a special SBE webinar, October 22. Watch for more information later this month in SBE releases.

Countdown to Broadcasters Clinic The countdown to the 2013 Broadcasters Clinic is on with a month to go to this year's event. It's time to reserve your seat and join your fellow broadcast engineers for a great career boosting experience. The Clinic program committee is made up of SBE members from all four Wisconsin SBE Chapters and beyond. Together with the support of the Wisconsin Broadcasters Association, their goal is to bring you the latest in cutting edge broadcast technology sessions and equipment displays. We look forward to seeing you there.

by Leonard Charles

GREGORY A. BENNETT

1963 - 2013

Gregory A. Bennett, age 50, of Green Bay, passed away unexpectedly of a heart attack on Friday, September 6, 2013. He was born June 10, 1963, in Green Bay to Kenneth and Joanne (Jacobs) Bennett.

Greg graduated from Green Bay Southwest High School in 1981. He attended UW-Green Bay and graduated from NWTC with a degree in Electronics and Telecommunications. He spent most of his career in Broadcast and IT Engineering, most recently at WFRV-TV in Green Bay. Greg enjoyed tinkering with electronics, and always had a project in the works. He also had a strong interest in classic cars and went to car shows whenever he could. He was an avid fan of NASCAR and of course the Green Bay Packers.

He enjoyed travel and spending time with friends and family. His stories, sense of humor, and friendship will always be remembered.



Additional Spectrum for Medical Devices

On November 30, 2011 the FCC adopted a Report and Order in ET Docket 09-36/RM-11404 amending the FCC's rules to allow implanted medical micro devices to operate as a secondary service in the 413-457 MHz band. This band includes Broadcast Auxiliary Service (BAS) frequencies (450-451 MHz and 455-456 MHz). FCC disregarded warnings included in comments filed by SBE and others, and will now allow medical micro-power networks (MMNs) to operate on, among others, audio RPU frequencies.

While advances in medical RF technology are indeed inspiring, SBE continues to oppose the operation of medical, potentially life-sustaining RF devices in spectrum that is not specifically allocated and protected against incompatible incumbent uses. In this case, these unlicensed micro-power devices will operate on a secondary basis to licensed operations. This means that the medical devices must accept interference from licensed services in the band. The society's view is that this presents an unacceptable risk to users of the devices.

SBE is also concerned that operation in this band may eventually result in a situation similar to that encountered by DTV stations during the digital broadcasting transition. Because of RF-susceptibility of Part 15-regulated medical devices, licensed DTV stations were required to notify and coordinate with medical facilities prior to sign-on of their DTV transmitters. Because of the safety implications, licensed operations were in practical terms subjugated to an unlicensed service.

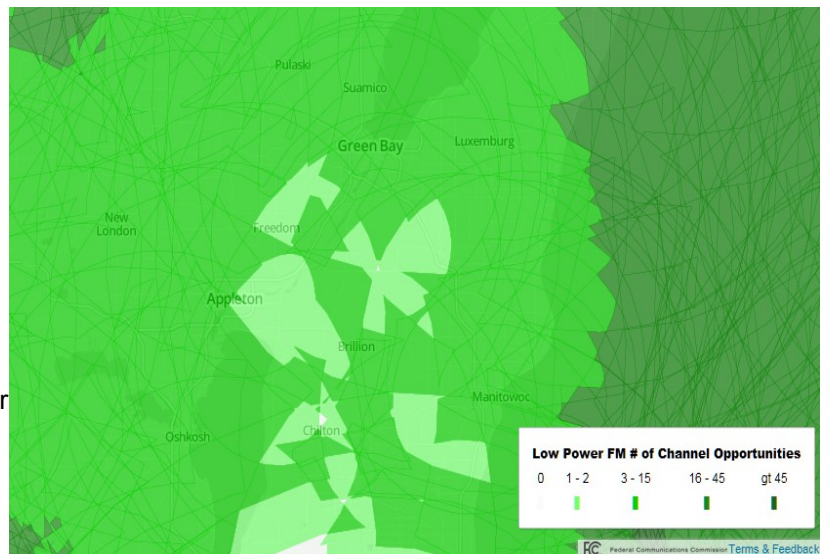
On an ongoing basis, engineers and stations should be cognizant of circumstances in which BAS operation may conflict with a concentration of devices like these. Remote broadcasts (TV live shots or "radiothons" for example) from or near medical facilities may eventually require notification when RPU frequencies are used; perhaps similar to pacemaker warnings posted at stores using microwave ovens.

- [Mann Foundation Ex Parte Docket 09-36](#) (6/29/11)
- [SBE release on August 12, 2009](#) about it's filing with the FCC on additional spectrum for medical devices
- Article to members, ["Unintended Consequences"](#) on the Mann Foundation request for spectrum for medical devices (2009)
- [SBE reply comments on additional spectrum for medical device radio communication service.](#)
- [SBE comments on \(Mann Foundation petition\) Commission's Rules to provide additional spectrum for medical device radio communication service in 413-457 MHz band](#) (8/11/09)

(sbe.org)

Low Power FM Opportunities without 2nd Adjacent Spacings applied

This map shows availability for new Low Power FM (LPFM) radio broadcast stations nationwide based on rules adopted by the Federal Communications Commission on November 30, 2012. This map does NOT assume protection of other 2nd-adjacent channel FM stations. Data to create this map is based on the FCC Channel Finder Application found at this web page <http://www.fcc.gov/encyclopedia/low-power-fm-lpfm-channel-finder> and is current as of November 2012. This map is dynamic in that you can pan and zoom to any desired location. For a complete write up on how we developed this map, please see <https://github.com/FCC/lpfm>.



http://www.fcc.gov/maps/low_power_fm_opportunities_wo_2nd

Do you have an expired certification?
Did it expire between January 1999 and January 2012?

If so, you qualify to have your certification re-instated through the [Jubilee Project](#).

The Jubilee Project was created in recognition of the SBE's 50th anniversary in 2014. The project began April 1, 2013 and continues through April 30, 2014.



To apply to reinstate your certification(s) through the Jubilee Project, complete the special [application](#) and include a resume or letter addressed to the committee describing your professional activities within broadcast engineering during the time period of your lapsed certification. Include the *professional credits form for the last five years (2008-2013).

*Professional credits are not required for CTO, CRO and CBT certifications.

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

Upcoming FREE webinar for SBE members



[AM Rules Change](#) **NEW**

Instructor: Cris Alexander, CPBE, AMD, DRB
Crawford Broadcasting Company
SBE members - FREE
Non-members - \$49



The FCC has recently released a Report & Order detailing some rule changes that are very beneficial to AM radio stations, particularly those that employ directional arrays. While wireless licensees have long been required to analyze the impact of their tower construction on nearby AM antennas, provide advance notice to the AM licensee and, when indicated, detune their antenna structures, other services have not had this requirement.

As a result, many towers have been built near AM antennas, producing pattern distortion and costing AM licensees as they deal with high monitor points and other effects of this distortion.

The rule changes make AM antenna protection universal across services, provide a mechanism for dealing with existing pattern interference, and provides for the use of moment-method modeling as the primary means of determining reradiation potential.

In this webinar, Cris Alexander will review the new rules and discuss how they will impact AM broadcast stations.

[Click here for more information and to register.](#)

Website of the month. IPAWS alerts via you cell phone.

<http://readywisconsin.wi.gov/cell/default.asp>

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