



The Society of Broadcast Engineers

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

July 2016

Like us on FaceBook - facebook.com/sbe80

Our website sbe80.org

Twitter: @sbechapter80

Our next SBE Chapter 80 meeting will be at noon on Tuesday July 19th at the WLUK Packer Party House

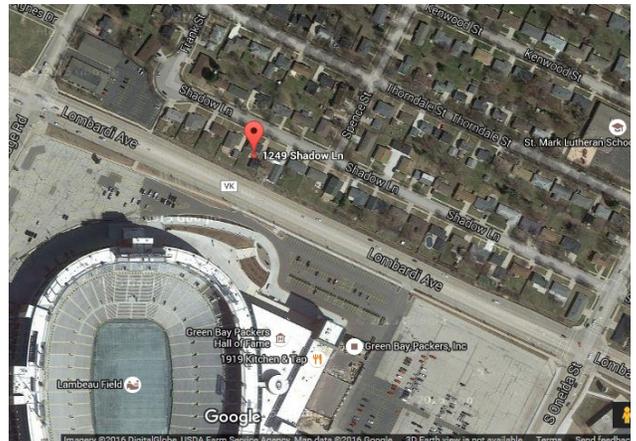
July Chairman's Corner:

Last month's June meeting was part of the Wisconsin Broadcasters Association Summer Engineering Conference on Wednesday, June 22nd. Five of our Chapter 80 members were in attendance; subjects of the day's sessions included risk management, site security, tower lighting regulations changes, IT threats and security, an AMBER Alert incident debriefing, increased RF ambient noise floor, "ask the manager" and round table discussions on four different topics. An unusual and very interesting presentation was the AMBER Alert incident debriefing by law enforcement officials involved. It gave us a good behind the scenes look at how law enforcement manages a missing child incident as the situation unfolds.



courtesy WBA

Our July "annual picnic" meeting will be held in Green Bay on Tuesday, July 19th at the newly-remodeled "Packer Party House" across from Lambeau Field, followed by a tour of WLUK Channel 11 just down the street. The address is 1249 Shadow Lane which parallels, but is one block north of, Lombardi Ave in Green Bay. Grilled meats and side dishes are provided by Chapter 80; please be sure to RSVP so we know how much food to prepare. The cost for members and guests is \$5 to defray expenses.



SBE President, Jerry Massey, recently sent a brief letter to local chapters, reminding us to continue the practice of inviting guests to our meetings along with encouraging them to consider becoming a member of SBE and thus contributing to our organization and the broadcasting industry at large.

John Pray, SBE Executive Director, also sent notice that the SBE Compensation Survey results will be released later this month. More than 500 SBE members participated in the survey, which contains over 30 pages of data for both radio and TV engineers and technicians. A shorter summary version of the report will be available to non-members, but the full report is a member-only benefit.

Please be sure to plan on attending our annual picnic and invite a guest. Always fun and good food!

Mark Hoenecke

Upcoming Chapter 80 Programs

Wed., Oct. 12 Broadcasters Clinic

SBE Certification

2016 EXAM SESSION

August 5-15

November 4-20

APPLICATION DEADLINE

June 3, 2016

September 30, 2016

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

CHAPTER 80 ELECTED AND APPOINTED OFFICERS

Chairman	Mark Hoenecke	WPT	715-845-1319	Mark.Hoenecke@ecb.org
Vice Chairma	Stu Muck	Muck Broadcast Services	920-960-0045	mbsfdl@yahoo.com
Past Chairman	Steve Konopka	WPNE TV/FM	920-336-3541	skonopka@ecb.org
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
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	Bill Hubbard	UW Green Bay	920-465-2510	hubbardw@uwgb.edu
Newsletter Editor	Dave Driessen	WGBA WACY	920-494-2626	dave.dr99@gmail.com
Certification Chairman	Jim Sams	Retired	920-822-5951	jsams@netnet.net
Chapter 80 Webmaster	Mike Steele	WHBY	920-831-5605	msteele@wcinet.com
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

FCC Launches EAS Test Reporting System The FCC EAS Test Reporting System (ETRS) is up and running. The system is for EAS participants to file identifying information, day of test data, and post-test data related to a nationwide test. The ETRS provides several new features that ease the data-entry burden on EAS participants, encourage timely filings, and minimize input errors. The ETRS also offers new data fields that are responsive to stakeholder comments. [Read more about the new system at the SBE website.](#)

November Exam Session Open The November exam session application deadline is open and taking applications. The exam dates will be between November 4-20. Your certification application must be submitted by September 30. If you have any questions, contact Certification Director Megan Clappe

FROM: Wisconsin EAS Committee
TO: All Wisconsin Broadcasters and Cable Operators



All Broadcasters and Cable Operators Required to Complete FCC
EAS Database Entry

On September 28, 2016, the Federal Emergency Management Agency (FEMA) will conduct a nationwide test of the Emergency Alert System (EAS). All EAS Participants are required by FCC rules to report their results of this test to the Commission. To facilitate the reporting of these results, the FCC has now established the EAS Test Reporting System (ETRS). It is a web portal similar to the one used by Participants in reporting their results of the 2011 Nationwide EAS Test, but now with more detailed Participant information requested. This preliminary Participant information is to be filled in on ETRS Form One, with Forms Two and Three to be used to report your results following the actual test in September.

An FCC Public Notice released on June 27, 2016, requires that all EAS Participants complete the details requested on ETRS Form One on or before August 26, 2016, and updates or corrections to the information can be made until September 26, 2016.

The ETRS home page is: <https://www.fcc.gov/general/eas-test-reporting-system>
Participants must first click on the ETRS Registration link and complete that form. Then use the account credentials received via email to click on the ETRS Log-in Page to access Form One.

Tips to know before beginning the process:

- The FCC allows users that own multiple facilities to stipulate a “coordinator” who can then “batch file” the information for numerous facilities at once. To use this filing method, contact the Commission at: ETRS@fcc.gov
 - Some of the details you will need are your facility’s FCC Registration Number (FRN) and FRN Password, Broadcaster Facility ID number or Cable PSID number, City of License, Transmitter Lat/Long in NAD83 decimal form for broadcasters, your EAS Designation type (most stations are “PN”), your two EAS Monitoring Assignments and any other monitored sources you wish to list, the make, model and software version of your EAS unit, and contact info for the person filling out Form One.
 - Note that in the field where Form One asks for “Geographic Zone of Service”, it is looking for the name of the EAS Local Area that the county of your City of License is located in. See this map from our State EAS Plan to find your EAS Local Area: <http://www.sbe24.org/eas/AP-E0815.pdf>. So a typical answer would be, “Northwest Wisconsin EAS Local Area”, or whichever of the 9 areas your county is in.
 - For more of a step-by-step explanation, a good resource I have found is on the BDR.net site at: <http://www.thebdr.net/articles/fcc/eas/ETRS.pdf>

For questions on completing Form One, contact ETRS@fcc.gov

For Wisconsin-related questions, contact Gary Timm: GTEAS@sbcglobal.net

Gary Timm, Broadcast Chair
Wisconsin EAS Committee

The **[SBE Mentor Program](#)** is designed to help broadcast engineers who are new to the field. The program partners a new engineer with a more-seasoned professional.



The mentor partnership begins on Oct. 1, 2016 and lasts for one year. Mentors and mentees can establish a schedule that works best for the pair but the SBE asks that you connect by phone at least once every two weeks. [An application is available](#) on the website and must be submitted by Aug. 31 to participate in the program. The program is open to members of the SBE only, and there is no cost. Applications may be mailed or emailed to Education Director [Kristin Owens](#) at the SBE national office. ([sbe.org](#))

EAS Rules Updates. Wisconsin Broadcasters and Cable Operators,

Here are two EAS rules items...

First: Back in 2015, the FCC adopted an Order that by July 30, 2016, all EAS Participants must have the National Periodic Test (NPT) code and the National EAS Location Code (000000) programmed into their EAS unit. That deadline is approaching in a little over 2 weeks. Contact your EAS unit manufacturer if you have not yet installed the update for these required codes.

Second: Earlier this week, the FCC adopted an Order approving 3 new EAS Event Codes. EAS Participants are NOT required to install these new codes into existing EAS equipment. These new codes are for use by NWS for hurricane Extreme Wind Warnings and ocean Storm Surge Watch and Warning. I checked with NWS-Milwaukee, and they verified that these new codes will never be used in Wisconsin - thus there is no need for any EAS Participant in our state to install these new codes. Also in the Order, the FCC changed the defined area of 2 marine offshore EAS Location Codes. These new definitions regard areas along the North Carolina and Florida coasts, thus this change is not of concern to Wisconsin either. **So long story short, no action need be taken by Wisconsin EAS Participants as a result of this FCC Report & Order**

Reminder: Per my email of earlier this week, you should already be aware that the FCC is requiring all EAS Participants to log into the new EAS Test Reporting System (ETRS) and fill in the information requested on ETRS Form One - this must be completed on or before August 26, 2016, with corrections being allowed up until September 26, 2016. For details see: <https://www.fcc.gov/general/eas-test-reporting-system>

Gary Timm, Broadcast Chair
Wisconsin EAS Committee

Managing Your Contract Engineer Business Webinar is July 21

Our latest webinar, [Managing Your Contract Engineering Business](#), will be held Thursday, July 21 from 2:00-3:30 p.m. ET. Dennis Baldrige and Mike Seaver will cover radio and TV contract engineering services from two different perspectives. Dennis will discuss topics from the perspective of the contract engineer, including establishing yourself as a contract engineer, organizing your business, promoting your services and protecting your business. Mike will cover topics from a station's point of view, including why we have a contract, the various types of contracts available, the necessity of keeping good, valid records of contracted service, security,

and review of services received.

Dennis Baldrige is owner of Baldrige Communications, LLC, a contract engineer business based in Wisconsin. He's been in broadcasting for over 30 years and is a Senior Member of the SBE. He has authored articles for *Radio Guide* and has been associated with the Alternate Broadcast Inspection Program of the Wisconsin Broadcasters Association for the past four years. His focus has been helping stations verify substantial compliance to the FCC rules through the use of the FCC's Self-Inspection Checklists.

Mike Seaver is a member of SBE and has authored a course in the SBE University series and the chapter on Engineering Management for the newly released SBE Broadcast Engineering Handbook. In broadcasting since 1959, he has worked in almost every position at a radio station, from studio assistant to general management and as a chief engineer.

Completion of this webinar from Webinars by SBE qualifies for one credit, identified under Category I of the Recertification Schedule for SBE Certifications. The webinar [registration](#) is \$55 for SBE members and \$85 for non-members.

[More >](#)

Wireless Mics and TV Channels An [interesting article](#) about radio frequency spectrum, wireless microphones that use it and how that relates to the history of TV channels appears in the spring issue of the Los Angeles IATSE Local 695 newsletter. It was written by SBE member Bill Ruck of San Francisco. Bill is the chairman of the Northern California Frequency Coordination Committee. ([sbe.org](#))

[More >](#)

OET States Manufacturer Responsibility to Control Interference from LEDs

The FCC Office of Engineering Technology (OET) released a document on June 17 titled "[Radio Frequency LED Lighting Products](#)." The document states that Radio frequency (RF) light-emitting diode (LED) lighting products are subject to FCC rules to ensure that devices do not cause harmful interference to radiocommunications services. These can include, among others, lighting used by local municipalities for traffic signals and roadway lighting.

You may wish to forward the document to local city planning commissions in your area to help inform them of their responsibility to assure that LED traffic and roadway lights they purchase comply with FCC RF emission standards. ([sbe.org](#))

[More >](#)

FCC Technological Advisory Council Opens Noise Floor Technical Inquiry The SBE's often-stated concerns about increases in ambient noise, especially in the AM broadcast band, have received a response from the FCC. On June 15, 2016, the Commission issued a public notice, DA 16-676 announcing that its Technological Advisory Council (TAC), an FCC advisory group, will investigate changes and trends to the radio spectrum noise floor to determine if there is an increasing noise problem. If it finds that there is such an increasing problem, the TAC will investigate its scope and the quantitative evidence available. Initially, the FCC on behalf of the TAC is asking how a noise study should be performed.

Comments from the public are due by Aug. 11, 2016. The SBE will file comments prepared with the assistance of its Government Relations Committee and its Executive Committee.

[Read more at the SBE website.](#)

The FCC transitioned to a new **Electronic Comment Filing System (ECFS)** with a “hard launch” on Monday, June 20. The FCC said its legacy system no longer is available, but all documents and files remain accessible in the new system, and saved links (bookmarks or favorites) to documents and proceedings should not need to be adjusted. The modernization project is expected to significantly improve the resiliency and performance of ECFS, the FCC said. “This system contains the entire history of docketed proceedings from 1992 to the present,” the FCC said. “New submissions will be added to the public record. We will continue to refine this system in response to user feedback.”

The ECFS has become the most popular way to gather public comments on Amateur Radio-related proceedings. The FCC said the public can use the ECFS to retrieve any document in the system, including selected pre-1992 documents that have been scanned into the system. The system also lets users browse popular proceedings. It’s also possible to submit a filing via the ECFS, using Word, PDF, or Excel files, and the system lets filers check the status of their submissions and to see if a filing now is available online. <<https://www.fcc.gov/ecfs/>>

(Excerpts from the American Radio Relay League’s <arrl.org> web site)

The Early Bird Agenda for the 60th **Broadcasters Clinic** has been set and is available for viewing at the link below. Save the dates October 11th thru 13th at the Madison Marriott West.

http://www.sbe24.org/WBA-SBE-Shows/archives/brochures/2016_EB_Agenda.pdf

Thank you for your support.

Leonard Charles

Cellcom
Clearly The Best.

Jim Lienau
Vice President of Corporate
Technical Services and CTO
920-617-7101
Cell: 920-639-0000
Fax: 920-617-7329
Pager: 920-613-0151

450 Security Blvd.
P.O. Box 19079
Green Bay, WI 54307-9079
Web: www.cellcom.com
E-mail: jim.lienau@cellcom.com

 **EVANS ENGINEERING SOLUTIONS**
216 Green Bay Rd., Suite 105
Thiensville, WI 53092-1625
www.evansengsolutions.com

PROBLEM SOLVING BEYOND EXPECTATIONS

Ben Evans, P.E.
President

Phone: (262) 518-0002 • Cell: (414) 530-8234
Email: ben@evansengsolutions.com

RENEWABLE ENERGY • WIRELESS COMMUNICATIONS • BROADCAST

WOODWARD RADIO GROUP

Steve Brown, CPBE, CBNT
Director of Broadcast Engineering
W9APL Amateur Call Sign

Direct 920.831.5659
Fax 920.739.0494 • sbrown@wcinet.com
PO Box 1519 • Appleton, WI 54912-1519





Mark Bartolotta
Regional Sales Manager

Heartland Video Systems, Inc.
1311 Pilgrim Road
Plymouth, WI 53073
Dir: (920) 893-5743
Tel: (800) 332-7088
Cell: (920) 912-1054
Fax: (920) 893-3106
EMAIL: mbart@hvs-inc.com
www.hvs-inc.com

Broadcast & Professional Solutions
**CONVERSION • STORAGE • COMPRESSION • TRANSMISSION
AUTOMATION • ROUTING • MONITORING • INTEGRATION**

Broadcast Communications
TEMPERATURE AND CLIMATE CONTROL SOLUTIONS

FOUR DECADES
AND COUNTING...

Edward A. Rousseau
(920) 621-1204
V35B@New.RR.com

American Communications
LeDuc Properties, LLC

(Jack) Jon Anthony LeDuc

555 Sunrise Circle
Green Bay, WI 54302

Office: 920.785.0228
Cell: 920.217.7598
Jack.Skyking@Gmail.com



Office: 920-617-7100
Fax: 920-617-7021
5475 Glendale Ave.
Green Bay, WI 54313

www.nsigntower.com



WOODWARD RADIO GROUP

Kelly Radandt
General Manager

Direct 920.831.5655
Cell 920.740.2085 • kradandt@wcinet.com
PO Box 1519 • Appleton, WI 54912-1519





SBE Chapter 80 thanks our our fine sponsors for supporting our chapter