



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

**November 2013**

The next meeting of SBE chapter 80 will be noon on Tuesday November 19th at the Out O' Town Club. Our program will be by Mike Franklin from Studer.

Chairman's Corner

Greetings Everyone,

Members and guests are welcome at our Chapter 80 monthly meeting on Tuesday, November 19, 2013 at the Out O' Town Club in Kaukauna.

We have a great program lined up from Studer. Mike Franklin will be on hand along with a large demonstration semi-truck. His presentation will be "An Overview of Audio over Internet Protocols and new developments", Layer 2, Layer 3, and real time Video and Audio distribution. And, Studer is picking up our meal tab!

Chapter 80 extends a warm welcome to our newest member, Bill Moede. Bill is an institution in area broadcast engineering, and we look forward to seeing him.

\*\*\*We will hold Chapter 80 Officer Elections at this Nov. 19 meeting. Please be prepared to cast your vote. If you would like to nominate a member please email me at [steve.konopka@ecb.org](mailto:steve.konopka@ecb.org) with your nomination and officer seat no later than Monday, Nov. 18, 2013.

Our last meeting was integrated with the WBA Broadcasters' Clinic on October 8-10.

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

**Did you miss a CAP message in October?**

See below on how to Subscribe to IPAWS EAS Feed Notifications (monthly report)

**Certification**

<b>Exam Dates</b>	<b>Location</b>	<b>Application Deadline</b>
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	<a href="mailto:skonopka@ecb.org">skonopka@ecb.org</a>
Vice Chairman	Tim Laes	WGEE WIXX WNCY WROE	920-435-3771	<a href="mailto:tlaes@new.rr.com">tlaes@new.rr.com</a>
Treasurer	Steve Brown	WHBY WAPL WKSZ WZOR	920-733-6639	<a href="mailto:sbrown@wcinet.com">sbrown@wcinet.com</a>
Secretary	Keith Kintner	UWO	920-424-7357	<a href="mailto:kintner@uwosh.edu">kintner@uwosh.edu</a>
Program Chairman	John Pfankuch	Heartland Video Systems	920-893-0204	<a href="mailto:jpfankuch@hvs-inc.com">jpfankuch@hvs-inc.com</a>
Program Chairman	Bill Hubbard	UW Green Bay	920-465-2510	<a href="mailto:hubbardw@uwgb.edu">hubbardw@uwgb.edu</a>
Membership Chairman	Al Kilgore	WRVM	920-842-2839	<a href="mailto:akilgore@wrvm.org">akilgore@wrvm.org</a>
Sustaining Memberships	Greg Tadyshak		920-497-0172	<a href="mailto:gtadyshak@new.rr.com">gtadyshak@new.rr.com</a>
Frequency Coord. < 1 GHz	Tim Laes	WGEE WIXX WNCY WROE	920-435-3771	<a href="mailto:tlaes@new.rr.com">tlaes@new.rr.com</a>
Frequency Coord. > 1 GHz	Joe Kamenick	KAMENTECH, LLC	715-359-7088	<a href="mailto:jckamenick@peoplepc.com">jckamenick@peoplepc.com</a>
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Newsletter Editor	Dave Driessen	WGBA WACY	920-494-2626	<a href="mailto:ddriessen@nbc26.com">ddriessen@nbc26.com</a>
Certification Chairman	Jim Sams	UWGB	920-465-2572	<a href="mailto:samsj@uwgb.edu">samsj@uwgb.edu</a>
Chapter 80 Webmaster	Jim Jensen	Retired	920-850-2633	<a href="mailto:jim@bjjensen.net">jim@bjjensen.net</a>
EAS Coordinator	Steve Konopka	WPNE TV/FM	920-336-3541	<a href="mailto:skonopka@ecb.org">skonopka@ecb.org</a>
Board of Dirs/SBE Liaison	Keith Kintner	UWO	920-424-7357	<a href="mailto:kintner@uwosh.edu">kintner@uwosh.edu</a>



### Register now for February 2014 SBE Certification Exams

Did you think about taking an SBE certification exam in November but missed the deadline to register? Well here's your next opportunity! The SBE will hold locally proctored exams during the period of February 7-17, 2014.

The deadline to apply to take an exam during this period is December 31. Local SBE certification chairmen, or their designees, work with the SBE national office to schedule exams at convenient times.

Visit the [SBE website](#) to find out more about [applying to take an SBE certification exam](#). For general information about the [SBE Program of Certification](#), visit the SBE website Certification page. ([sbe.org](http://sbe.org))

### EAS Alert

#### FCC Issues Enforcement Notice on EAS Tone Misuse

**November 7, 2013** As Broadcast Engineers we are keenly aware that transmitting EAS audio tone during any program other than an actual EAS activation or EAS test is illegal. We have seen a good deal of this over the last couple years with EAS tones embedded into movie trailers, TV promos and other program like material. Engineers consistently attempt to educate programing and production people of the proper use of EAS tones

This week the FCC put some teeth into these rules imposing an NAL with a fine of 25,000 against Turner Broadcasting. See Details <http://www.thebdr.net/articles/fcc/insp/EW.html>. The FCC also issued this Enforcement Notices to ALL broadcasters:

[http://transition.fcc.gov/Daily\\_Releases/Daily\\_Business/2013/db1106/DA-13-2123A1.pdf](http://transition.fcc.gov/Daily_Releases/Daily_Business/2013/db1106/DA-13-2123A1.pdf)

We particularly note the statement in the FCC's Public Notice, "Failure to comply with the Communications Act or Commission's rules may subject a violator to sanctions including, but not limited to, substantial monetary forfeitures." (Emphasis added). In the case of the Kentucky station, a consent decree was entered into that detailed a compliance plan and implementation of an educational program. This was in addition to the monetary forfeiture.

Scott Mason, CPBE, CBNT, Chairman, SBE EAS Education Committee ([sbe.org](http://sbe.org))

## National Membership Meeting Notes

>>> collected by Paul Stoffel Chapter 24

The 2013 SBE National Membership Meeting took place in Indianapolis on October 30, hosted by SBE Chapter 25 and the Indiana Broadcasters Association. The membership meeting was streamed live on the Internet. Here are some highlights:

- Secretary report: totaling 5028 members; decrease of 166; 523 new members; 114 charter chapters
- Treasurer report: operating ahead of budget; no dues increase; no outstanding debt
- Membership report: Leading the Way membership drive; web-based Buyers Guide and Membership Directory
- Certification Report: Jubilee Project, a reinstatement of certification program; [http://sbe.org/sections/Cert\\_App\\_Proc.php#JubileeProject](http://sbe.org/sections/Cert_App_Proc.php#JubileeProject)
- new certification level of CBNE, Certified Broadcast Networking Engineer; upcoming SBE 50th Anniversary; exams: total elimination of analog questions would be premature [http://www.sbe.org/sections/cert\\_index.php](http://www.sbe.org/sections/cert_index.php)
- Education Programs: SBE University, Ennes Workshops, SBE Webinars, Leadership Development Course, Technical Presenters Group; Members are asked to help identify content and presenters for future courses; Members are encouraged to become presenters. [http://www.sbe.org/sections/edu\\_seminars.php](http://www.sbe.org/sections/edu_seminars.php)
- Government Relations: spectrum repacking, N-band, wireless microphone consideration when repacking, protect BAS spectrum access for engineers [http://www.sbe.org/sections/gov\\_issues.php](http://www.sbe.org/sections/gov_issues.php)
- Presentation of outgoing and ongoing board of directors and officers
- Installation of new directors and officers
- Installation of new SBE President Joseph Snelson

([sbe.org](http://sbe.org))

## SBE Begins its 50<sup>th</sup> Year

With the unveiling of a special logo at the end of the national SBE Annual Membership Meeting last week in Indianapolis, the SBE officially announced that a year-long celebration of its 50<sup>th</sup> anniversary will kick-off on December 1, 2013.

The SBE was organized on April 5, 1964 when approximately one hundred broadcast engineers gathered to discuss the creation of a new professional association that would provide opportunities for sharing of technical know-how. The meeting was held during that year's NAB convention in Chicago. Since that time, the SBE has grown to an organization of more than 5,000 members in all 50 U.S. states, the District of Columbia, four U.S. territories and 20 other countries. In addition to sharing knowledge, members now enjoy the advantages of local chapters, a comprehensive certification program, educational programs, representation in Washington on technical issues of interest to our members and a volunteer frequency coordination program that serves our members' interests and the industry.



The SBE will celebrate its 50<sup>th</sup> in a number of ways, including a special reception held on April 8, 2014, during the 2014 NAB Show. We'll close the celebration with the annual reception and awards dinner at the SBE National Meeting on October 8, 2014 in Verona, New York, held with the Chapter 22 Broadcast and Technology Expo. Other observances will seek to involve all members while educating the industry and the public about the important role that broadcast engineers play in today's broadcasting field. Watch for future issues of SBE-news and The Signal for details. ([sbe.org](http://sbe.org))

## National Board of Directors Election Results (October 7,2013)

The SBE announces the results of the 2013 election for the national board of directors. Joseph L. Snelson, Jr., CPBE, 8-VSB was elected the society's president. Snelson is the vice president of engineering at Meredith Corporation in Las Vegas, Nevada. Snelson's one-year term as president, as well as the terms of the other officers and six newly elected directors, will begin on October 30, at the close of the SBE Annual Membership Meeting.

Other officers serving one-year terms:

- Vice President - Jerry Massey, CPBE, 8-VSB, AMD, DRB, CBNT, corporate regional engineer and director of engineering at Entercom Communications in Greenville, S.C.
- Secretary - James Leifer, CPBE, director of engineering and IT at Clear Channel South Florida, Boynton Beach, Fla.
- Treasurer - Andrea Cummins, CBT, CTO, broadcast engineering consultant and operator of AC Video, Roseland, N.J.

Serving two-year terms on the board of directors:

- Ted Hand, CPBE, 8-VSB, AMD, DRB, director of engineering and operations at Cox Media Group-Charlotte, Charlotte, N.C.
- Kirk Harnack , CBRE, vice president and executive director at Telos Systems, Nashville, TN
- Mark Heller, CPBE, CTO, president and chief engineer at WGBW and WLWB Radio, Two Rivers, Wis.
- Ched Keiler, CPBE, 8-VSB, CBNT, broadcast engineering consultant, Fort Lauderdale, Fla.
- Tom R. Ray, III, CPBE, AMD, DRB, president of Tom Ray Broadcast Consulting, New Windsor, N.Y.
- Dennis Wallace, CBTE, managing partner of consulting firm, Meintel, Sgrignoli & Wallace, Waldorf, Md.

The newly elected officers and directors will join the five other directors who are in the middle of two-year terms:

- Tim Anderson, CPBE, DRB, CBNE, manager, strategic radio market and product development at Harris Broadcast, Covington, Ky.
- John Heimerl, CPBE, vice president of strategic technologies for WHRO-TV, WHRO-FM, WHRV-FM, Suffolk, Va.
- Gary Kline, CBT, CBNT, sr. vice president of engineering, Cumulus Media, Atlanta, GA
- Scott Mason, CPBE, CBNT, west coast director of engineering, CBS Radio, Los Angeles, Calif.
- Wayne M. Pecena, CPBE, 8-VSB, AMD, DRB, CBNE, director of engineering, Texas A&M University-Educational Broadcast Services, College Station, TX.

The national board of directors of the SBE is responsible for the development of policy and determines the programs and services the society provides to its more than 5,000 members.

### Top SBE Awards Presented

The SBE awarded its top awards at the SBE National Awards Dinner on October 30. Receiving the Robert L. Flanders SBE Engineer of the Year Award was Edward Miller, CPBE of Chapter 70, Northeast Ohio. Dennis Baldrige, CPBE, 8-VSB, AMD, DRB, CBNT, of Chapter 24, Madison, Wis. received the James C. Wulliman SBE Educator of the Year Award. Vislink Broadcast was recognized with the SBE Technology Award. Three members were elevated to the highest membership rank within the SBE: Lawrence Behr, CSBE of Greenville, S.C.; James Schoedler of Denver, Colo. and Larry Wilkins, CPBE, AMD, CBNT, of Prattville, Ala. ([sbe.org](http://sbe.org))



Dennis Baldrige (I) and Edward Miller win top SBE awards.

For a complete list of this year's award winners, as well as those from past years, visit the [Awards and Recognitions](#) page on the SBE website.

### **National Committee Chairs Named**

SBE President, Joe Snelson, CPBE, 8-VSB has announced national [committee chair appointments](#) for the 2013-14 program year. The SBE has 16 committees and one sub-committee, all dedicated to developing programs and services that benefit our members. The committees report to the president and the board of directors. Members who have questions or comments may direct them to the appropriate committee chairs. Use the link provided above to access a complete list. Members are also encouraged to contact any member of the [national board](#) with their questions or comments as well. (*sbe.org*)

### **Next Certification Exam Deadline is December 31**

Did you miss the November SBE Certification Exam period that's currently underway? The next scheduled opportunity is February 7-17, 2014. [Register](#) before December 31, 2013 to take an exam in your local chapter. No chapter nearby or the February dates don't fit your schedule? Contact [Megan Clappe](#) at the SBE National Office to arrange an exam date that works for you.

The SBE website has more information if you're not sure [why SBE certification](#) would be beneficial to you, or you have questions about the process. (*sbe.org*)

### **SBE-WI Broadcasters Clinic Presentation available online**

The session audio files and slide shows from the 2013 Broadcasters Clinic are now available on the SBE Chapter 24 web site. Please go to [Presentations](#)

Please note only those files for which permission was granted are available.

Thanks for supporting the Broadcasters Clinic. Save the dates for next year, October 21st thru 23rd, 2014.

*Leonard Charles*

*WBA-SBE Broadcasters Clinic Program Chair*

*Ed note: These are great. I listened to 3 so far. If you were not able to make the Clinic these are worth the time to listen to.*

### **2013 Broadcasters Clinic Presentations**



**Audio Compression: Are we Squeezing the Life out of Radio?**

Mary Ann Seidler, Tieline

[Audio](#)  
[Slides](#)

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**Program Associated Data Implementation at Wisconsin Public Radio**

Steve Johnston, Wisconsin Public Radio

[Audio](#)

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**Filters, The Building Block of Combiners**

Bob Surette, Shively Labs

[Audio](#)

[Slides](#)

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**IBOC and AM Digital Updates**

Andy Laird, Journal Broadcast Group

[Audio](#)

[Slides](#)

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**MPX-Direct: Digital Connectivity for FM-Stereo**

Frank Foti, Telos/Omnia

[Audio](#)

[Slides](#)

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**Benefits of Migrating the Radio Call In Show to Wideband Audio**

Chris Crump, Comrex

[Audio](#)

[Slides](#)





**SNMP in the Real World: An Ancient Protocol in the Modern Broadcast Facility**  
Tony Peterle, Worldcast Systems

[Audio](#)  
[Slides](#)

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**General Transmitter Maintenance and Troubleshooting Tips**  
Jeff Welton, Nautel

[Audio](#)  
[Slides](#)

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**IP to/from the Transmitter via Unlicensed WiFi**  
Kevin Trueblood, Wisconsin Public Radio

[Audio](#)  
[Slides](#)

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**Practical Considerations for Aging Broadcast Towers**  
Mark Allen, Rohn Towers

[Audio](#)  
[Slides](#)

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**Translators/LPFM**

Jeremy Ruck, Jeremy Ruck & Associates

[Audio](#)  
[Slides](#)

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**How Wire Fails**

Steve Lampen, Belden

[Audio](#)  
[Slides](#)

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**Finance for Engineers**

Jim Klas, Wisconsin Public Broadcasting/ECB

[Audio](#)  
[Slides](#)

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**The Crowded Broadcast Auxiliary Spectrum**

Dan Ryson, Cavell Mertz & Associates

[Slides](#)

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**Preparing for TV Spectrum Auctions and Repack**

Jay Adrick, Harris

[Audio](#)  
[Slides](#)





**LipSync/AFD**  
Paul Briscoe, Harris  
[Audio](#)  
[Slides](#)

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**Improving Transmitter Efficiency**  
Michael Roosa, Comark  
[Audio](#)  
[Slides](#)

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**ATSC A/153 (Mobile DTV Coexistence in the Terrestrial Stream)**  
Gary Sgrignoli, Meintel, Sgrignoli, & Wallace  
[Audio](#)  
[Slides](#)

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**Large Format digital Acquisition for Broadcast Television - Friend or Foe**  
Larry Thorpe, Canon  
[Audio](#)

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## **Implementing and Managing 5.1 Audio, Avoid the Pitfalls**

Dr. Richard Cabot, Qualis Audio

[Audio](#)  
[Slides](#)

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## **A Social Media Workflow for Broadcasters**

Allan Pepper, Ross Video

[Slides](#)

### **FCC Adopts NPRM to Revitalize AM Broadcast Radio Service**

“We organize our discussion of proposals to improve the AM service into the following sections: (A) Open FM Translator Filing Window Exclusively for AM Licensees and Permittees; (B) Modify Daytime Community Coverage Standards for Existing AM Stations; (C) Modify Nighttime Community Coverage Standards for Existing AM Stations; (D) Eliminate the AM “Ratchet Rule”; (E) Permit Wider Implementation of Modulation Dependent Carrier Level Control Technologies; and (F) ”

<http://www.fcc.gov/document/commission-adopts-nprm-revitalize-am-broadcast-radio-service>

### **Video of the month.**

<http://www.thebdr.net/articles/warstories/worst/Worst-Flamethrower.html>

## Subscribe to IPAWS EAS Feed Notifications (monthly report) '

Wondering why you didn't get a CAP message on your EAS decoder one week in October? Subscribe to the IPAWS EAS Feed Notifications (monthly report) so you can properly log missed CAP messages

<https://public.govdelivery.com/accounts/USDHSFEMA/subscriber/new>

They will send an excel file once a month.

The October 14, 2013 SDT RWT was not sent.  
The October 14, 2013 HIDT RWT was not sent.  
The October 14, 2013 AKDT RWT was not sent.  
The October 14, 2013 PDT RWT was not sent.  
The October 14, 2013 MDT RWT was not sent.  
The October 14, 2013 CDT RWT was not sent.  
The October 14, 2013 EDT RWT was not sent.  
The October 14, 2013 ADT RWT was not sent.

IPAWS@dhs.gov	RWT_GDT_1381712701	2013-10-14T11:05:01+10:00
IPAWS@dhs.gov	RWT_SDY_1381183501	2013-10-07T11:05:01-11:00
IPAWS@dhs.gov	RWT_HIDT_1381179901	2013-10-07T11:05:01-10:00
IPAWS@dhs.gov	RWT_AKDT_1381172701	2013-10-07T11:05:01-08:00
IPAWS@dhs.gov	RWT_PDT_1381169101	2013-10-07T11:05:01-07:00
IPAWS@dhs.gov	RWT_MDT_1381165501	2013-10-07T11:05:01-06:00
IPAWS@dhs.gov	RWT_CDT_1381161901	2013-10-07T11:05:01-05:00
IPAWS@dhs.gov	RWT_EDT_1381158304	2013-10-07T11:05:02-04:00
IPAWS@dhs.gov	RWT_ADT_1381158302	2013-10-07T11:05:02-04:00
IPAWS@dhs.gov	RWT_GDT_1381107901	2013-10-07T11:05:01+10:00

Want to know why it was not sent?. <http://www.thebdr.net/articles/fcc/eas/eas.html>

Sign up for the BDR newsletter: <http://lists.thebdr.net/mailman/listinfo/bdr>

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