



The Society of Broadcast Engineers

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

April 2014

The next meeting of SBE chapter 80 will be noon, Tuesday, April 22 at the Out O' Town Club. Our program will be by John Purvey and Steve Lampen of Belden. **Note:Our program will be one week later in April.**

Chairman's Corner

Hello All,

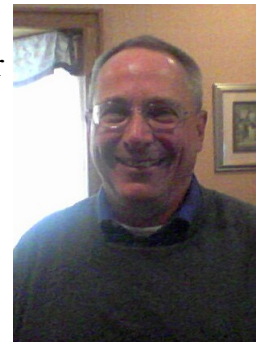
Please be reminded that our April, 2014 Chapter 80 monthly meeting will be DELAYED ONE WEEK.

Members and guests are welcome on Tuesday, APRIL 22 at 12:00 noon at the Out O' Town club in Kaukauna.

We welcome John Purvey and Steve Lampen of Belden, Inc., with the topic of "What's new at Belden". During lunch, we will have an NAB review from those members and guests who attended the convention.

Our last meeting was on March 18th where Mark Bartolotta of HVS introduced our guest presenter John Pichitini of Ensemble Designs, whose topic was "Combining HDMI and HD-SDI in Station Routers".

Please visit our *newly-designed* Chapter 80 website, www.sbe80.org for items of local and regional interest and a host of informational postings.



John Pichitini of Ensemble Designs

Regards,
Steve Konopka

Upcoming Events

- April 24, 2014 Tornado Warning test with live EAS Code
- Chapter 80 meeting May 13th at Camera Corner Technology Expo at the KI Convention Center Green Bay
- Chapter 80 meeting Wednesday June 18th at WBA Summer Conference Sheboygan, WI

Certification

| Exam Dates | Location | Application Deadline |
|-------------------|----------------|----------------------|
| June 6-16, 2014 | Local Chapters | April 11, 2014 |
| August 8-18, 2014 | Local Chapters | June 6, 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@jbjensen.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 |

Archive of Routing the Network of Networks webinar now available

Part 2 of Advanced IP Networking, Routing the Network of Networks, presented March 25, is now available on the SBE website. This webinar builds on the previous Network of Networks webinars by incorporating IP Layer 3 routing and selective access features utilizing Access Control Lists (ACL) to a VLAN-based layer 2 multiple network based infrastructure. Theoretical concepts of routing protocol choices and ACL implementation are reinforced with real-world equipment configuration examples. Wayne Pecena, CPBE, 8-VSB, AMD, DRB, CBNE is the instructor.

[Archived SBE webinars](#) are available 24/7/365 at the SBE website.

SBE Membership Drive 2014

Help SBE grow!



The SBE Membership Drive kicked off on March 1st. This year's theme, "Together, Shaping Our Future for Half a Century", ties to the SBE's fifty years bringing the broadcast engineering community the best in certification, continuing education, government relations and career opportunities.

SBE is the only organization that is devoted to the advancement of all levels and types of broadcast engineering.

Those of you who are members know the benefits of being a part of SBE. I'm sure you also know colleagues who are not familiar with SBE but could benefit from membership. Individuals can join SBE at anytime during the year but from March 1-May 31 the SBE would like to entice you to be extra vigilant in recruiting new members.

If you recruit a new member during that time period and your name is on the sponsor's line of the membership application then your name will be entered into the member drive drawing for prizes donated from our Sustaining Members. You will also have the opportunity to win the Grand Prize to attend the SBE National Meeting held in conjunction with SBE Chapter 22 Broadcast and Technology Expo in Verona, N.Y., October 7-8. Also, for every new member you sponsor you will receive \$5 off your 2015 dues (up to \$25). Visit the SBE website to learn more. (sbe.org)

Audible Warning System Tests Resume in Outagamie County

If you heard sirens in Outagamie County Saturday, it was only a test.

Emergency management officials say it's important to make sure the sirens are in working order ahead of the spring and summer months.

After last August's storms caused more than \$36 million in damage, Outagamie County has updated and improved its county-wide notification system.

Saturday's test at Lincoln Elementary School in Appleton was the first audible test of the season, but inaudible testing has been conducted daily throughout the winter months.

"What that is is our copy alert system -- the computer sends out an alert to each siren, and then it activates and comes back to us, and it doesn't do the audible tones," said Deputy Emergency Management Director Michael Pamperin.

As a result of Saturday's tests, two sirens have been found that are in need of repairs. While the sirens do a good job of alerting people who are outside, emergency crews are stressing the importance of in-home weather radios.

"If you're in a house, middle of July, air conditioner running, windows closed up -- your chances of hearing these outdoor warning sirens are not good at 2:00 in the morning," said Pamperin.

The Outagamie County Amateur Radio Emergency Services crew was also on hand Saturday to make sure the sirens were sounding as planned.

"We want to make sure that if we do turn in a report, that the sirens are going to go off when they're supposed to," said Amateur Radio Emergency Coordinator, Jon Kreski.

The audible tests will take place every Saturday at noon in Outagamie County from now through November. The county is also including an extra siren test, which will take place the first Wednesday of every month.

(Kasey Hott nbc26.com)

<http://www.jrn.com/nbc26/news/Audible-Warning-System-Tests-Resume-in-Outagamie-County>



Purchase Kwik Trip Gas Cards to benefit SBE Chapter 80!

We have been looking for an easy and hassle free fund raiser for the Chapter so we can avoid asking you all for cash donations. This one might do the trick.

The Chapter will make available to all members Kwik Trip Gas and Gift cards usable at any Kwik Trip gas station / convenience store. These are located in Green Bay, Appleton, Oshkosh and most communities in Wisconsin where our members live and work.

You just buy the card with cash or a check made out to SBE Chapter 80, and use it to fill your vehicle or buy groceries at the local Kwik Trip. The Chapter gets 10% of your purchase as a charitable contribution. Simple as that. You pay \$50 for a card and get \$50 in gas or goods. The Chapter gets a \$5 contribution. With all the gas we all buy, this can add up to real money over the course of the year.

All you need to do is stop at a Kwik Trip instead of your normal stop. You can pay at the pump with these cards and never enter the store if that is your preference.

I will have a number \$50 and \$100 cards available at our next meeting. If you want a special order of different denominations or possibly a larger amount, we can make special arrangements. I will also have a list of all Kwik Trip locations so you can find a location convenient to you.

This is a super easy way to support the Chapter and its activities at no extra cost to you! So please consider buying a few cards and using them. Once you see how easy it is, you may well purchase one or two a month. If a number of our members do this, we can easily fund the annual Don Borchert Fellowship Fund contribution and maybe even our annual picnic or other worthy activities. Please consider trying this! Thank you.

Steve Brown
Treasurer, Chapter 80

2014 SUMMER CONFERENCE ENGINEERING SESSION AGENDA WEDNESDAY, JUNE 18TH *BLUE HARBOR RESORT, SHEBOYGAN, WI*

This year's Workshop will be held in conjunction with the WBA Summer Conference at the Blue Harbor Resort in Sheboygan, WI. Engineering sessions start at 8:45am and end at 4:30pm followed by the Exhibit Reception and Dinner, all covered by your low cost single day registration.

If you'll need a hotel room you'd better book now, they are filling up fast in this totally upgraded resort on the Lake. See the WBA website for registration information.

SESSIONS

7:00 AM: Registration

8:40 AM: Opening Remarks

8:45 AM Session: Cyber Security, Inside and Outside Your Network

9:30 AM Session: Are You Intruder Proof (Building Security)

10:30 AM Session: High Voltage & RF Exposure Safety

11:15 AM Session: Maximizing Transmission Performance

1:15 PM Session: POTS is Gone, What Now?

2:00 PM Session: Ask a Manager (Panel Discussion)

3:00 PM Double Session: Apps; We'll Show You Ours If You Show Us Yours

4:30 PM: End of Sessions

WPR's 2014 EAS SCHEDULE

W 2 Apr 2350 Routine Monthly Test initiated by ECB
R 10 Apr 1059
M 14 Apr 1459
T 22 Apr 1259
M 28 Apr 1059

W 7 May 0850 Routine Monthly Test initiated by NOAA
R 15 May 1059
M 19 May 1259
T 27 May 1459

W 4 Jun 2350 Routine Monthly Test initiated by WEM
R 12 Jun 1459
M 16 Jun 1259
T 24 Jun 1059

Statewide Test Of Tornado Warning EAS Code On April 24

In cooperation with Wisconsin Emergency Management, the National Weather Service will conduct a test of the real Tornado Warning EAS Code on April 24, 2014 as part of Tornado Awareness Week.

The State of Wisconsin has received a waiver from the FCC to use the actual EAS Tornado Warning Code for this statewide test. If there is a threat of severe weather, the test will be postponed until April 25, 2014. If there is severe weather on April 25, the test will be cancelled.

The audio of this test will repeat several times in the script "This is a Test", because the real EAS Tornado Warning Code is being sent the crawl on TV stations and cable systems will read "A Tornado Warning has been issued for...". Thus we ask that TV broadcasters and cable operators making the decision to air the test should display a "This is a Test" graphic behind the crawl.

The test will be originated on NOAA Weather Radio (NWR), and will be relayed via the State Relay (SR) and Local Primary (LP) stations. The EAS "TOR" Code will be sent independently by all five NWS offices serving Wisconsin, following the schedule below. Broadcasters and cable operators that monitor SR or LP stations from multiple EAS Operational Areas or directly monitor NWR from another EAS Operational Area may receive more than one Tornado Warning alert; since these alerts are sent independently from each NWS office they will not be recognized by EAS units as duplicates if alerts are received from two different EAS Operational Areas. It is also possible that some NWR stations may broadcast more than one TOR Code as some NWR stations serve counties from more than one NWS office.

This will be the schedule for April 24, 2014

(or if there is severe weather on April 24, test will be conducted on April 25, 2014):

1:00PM – Tornado Watch "TOA" EAS Code issued

1:45PM – Tornado Warning "TOR" EAS Code issued by all NWS offices serving Wisconsin counties*

Originator Code: WXR

EAS Code: TOR

EAS Duration: 15 minutes

*This test is being coordinated with the State of Minnesota. Stations in the border area will receive both Wisconsin and Minnesota counties in the same coordinated TOR Tornado Warning EAS message at 1:45PM. (WBA)



2014 Tornado and Severe Weather Awareness Drill Scheduled for Thursday April 24, 2014

The 2014 Tornado Drill will consist of a mock tornado watch and a mock tornado warning for all of Wisconsin. This is a great opportunity for your school, business and community to practice your emergency plans.

DRILL SCHEDULE:

1:00 p.m. – National Weather Service issues a mock tornado watch for all of Wisconsin (a watch means tornadoes are possible in your area. Remain alert for approaching storms).

1:45 p.m. - National Weather Service issues mock tornado warning for all of Wisconsin (a warning means a tornado has been sighted or indicated on weather radar. Move to a safe place immediately).

2:00 p.m. – End of mock tornado watch/warning drill The tornado drill will take place even if the sky cloudy, dark and/or rainy. If actual severe storms

are expected in the state on Thursday, April 24, the tornado drill will be postponed until Friday, April 25 with the same times. If severe storms are possible Friday, the drill will be cancelled. Residents will be notified of any changes through local media as well as the ReadyWisconsin web page, Facebook and Twitter.



Most local and state radio, TV and cable stations will be participating in the drill. Television viewers and radio station listeners will hear a message at 1:45 p.m. indicating that “This is a test.” The mock tornado warning will last about one minute on radio and TV stations across Wisconsin and when the test is finished, stations will return to normal programming. In addition, alerts for both the mock tornado watch and warning will be issued over NOAA weather radios.

Be sure your weather radio is turned on for this test. If the alarm on your weather radio does not go off for this test, check your weather radio's programming and quality of reception.

If actual severe storms are expected in Wisconsin on Thursday, April 24, the tornado drill will be postponed until Friday, April 25 at the same times. If severe storms are possible Friday, the drill will be cancelled. Severe weather is defined as tornadoes, damaging thunderstorm wind gusts of 58 mph or more, or large hail 1 inch in diameter or larger. Residents will be notified of any changes through local media as well as the ReadyWisconsin web page (<http://readywisconsin.wi.gov>), as well as ReadyWisconsin Facebook and Twitter.

<http://emergencymanagement.wi.gov/news/2014/Tornado2014MediaPacket.pdf>



WBA MEDIA TECHNOLOGY INSTITUTE LITE

June 17-18, 2014

Blue Harbor Resort, Sheboygan, WI

The WBA Summer Conference in Sheboygan will feature a special one day version of the Media Technology Institute designed to assist engineers in maintaining transmission systems as well as station compliance with the FCC.

Called RF and FCC Basics, this one day program will explore the most common RF maintenance issues seen in broadcast plants as well as the most frequent issues with FCC compliance. Suggested maintenance and logging forms will be provided to guide engineers in establishing positive relationships with both their co-workers and the FCC inspector, and plenty of time will be available for constructive discussion on these issues.



INSTRUCTOR:
Terry Baun
WI ECB

TUESDAY, JUNE 17

10:00 AM: Welcome with Michelle Vetterkind, WBA President & CEO
Welcome and Discussion of Schedule with Terry Baun

10:15 AM: Introduction to Broadcast/Media Technology

12:00 PM: Lunch

1:30 PM: RF Fundamentals for Radio/TV

3:00 PM: RF Safety and Security for Radio/TV

4:00 PM: Basic FCC Compliance for Radio/TV

5:00 PM - 7:00 PM: Reception

WEDNESDAY, JUNE 18 - JOIN WBA SUMMER CONFERENCE ENGINEERING DAY

9:00 AM: Engineering Sessions

12:00 PM: Engineer's Lunch

1:30 PM: Engineering Sessions

5:00 PM: WBA Exhibits, Reception and Dinner

THANK YOU TO OUR SPONSOR:



Please visit www.wi-broadcasters.org for more information on the WBA Summer Conference.

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**

Greg Bell
VP Broadcast/General Manager



**WOODWARD
RADIO GROUP**

Direct 920.831.5655
Cell 920.570.2162 • gbell@wrcinet.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) 893-6743
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**

 **BELDEN**
SENDING ALL THE RIGHT SIGNALS

Don Heinzen
Account Manager
Enterprise Solutions Division

Direct: 608.848.2001
don.heinzen@belden.com
9001 Hawks Reserve Lane, #103
Verona, WI 53593
Cell: 608.235.7539

www.belden.com


LeDuc Properties LLC
American Communications Co

(Jack) Jon Anthony LeDuc
Chairman-CEO

133 North Superior Street
DePere, WI 54115 USA

920.632.4364
Cell: 217.7598


Skyking_Concorde@hotmail.com

 **Nsight
TOWER**

Office: 920.617.7100
Fax: 920.617.7021
1046 Gray Ct.
Green Bay, WI 54303

www.nsighttower.com

Antenna System Specialist

| | | |
|----|---|------------------|
| TV |  | Troubleshooting |
| FM | | Sweep Testing |
| AM | | Infrared Testing |

Resonant Results.com
Richard Wood (608)839-3950

**WOODWARD
RADIO GROUP**

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


**WOODWARD
RADIO GROUP**

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

**Token Creek
MOBILE TELEVISION**

John Salzwedel
President

501 Moravian Valley Road, Waunakee, Wisconsin 53597
Phone: (608) 849-4965 Fax: (608) 849-4035 Cell: (608) 235-9632
Web Page: www.tokencreek.com E-Mail: john@tokencreek.com