



The Society of Broadcast Engineers

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

May 2013

The next meeting of SBE chapter 80 will be Tuesday May 21st at the Camera Corner Connecting Point annual Technology Expo at the KI Convention Center in downtown Green Bay.

Greetings Everyone,

Members and guests are welcome at our upcoming Chapter 80 meeting on Tuesday, May 21, 2013 at 12:00 noon, at the Camera Corner Connecting Point annual Technology Expo at the KI Convention Center in downtown Green Bay. We will meet informally at noon for an abbreviated meeting and roster sign-in, in the cafeteria area. Assorted food vendors will be available for our lunch purchases. This is a free event, however pre-registration is recommended, by going to www.cccp.com. Under "Services", select "Technology Expo". Alternately, call Mary Phillips at (920) 438-0343. This year's expo theme is "**Techstock: Fabulous 60's**".

Our last meeting was held on April 16, 2013 at the Out O' Town Club where we enjoyed an NAB Review as presented by our members and guests who attended the Las Vegas convention. 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>.

Future Events:

Wednesday June 19th Chapter meeting at **WBA-SBE Summer Engineering Workshop** at Elkart Lake.

July: Summer picnic

August & September: TBA

October: Broadcasters Clinic

We look forward to seeing you at noon on Tuesday, May 21, 2013

Regards,
Steve Konopka

Certification

Exam Dates	Location	Application Deadline
June 7-17, 2013	Local Chapters	April 12, 2013
August 9-19, 2013	Local Chapters	June 1, 2013
November 1-11, 2013	Local Chapters	September 13, 2013

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	Al Kilgore	WRVM	920-842-2839	akilgore@wrvm.org
Sustaining Memberships	Greg Tadyshak		920-497-0172	gtadyshak@new.rr.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@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



[Media Asset Management 101](#)

with Theresa Regli, The Real Story Group
May 16 - 2-3 p.m. ET

SBE members - \$49 ; non-members - \$75

This webinar provides insight into Media Asset Management technology. In addition to explaining the different components of a MAM system, the session will help you identify your own requirements more clearly, understand how various MAM system services work, who some of the particular MAM vendors are and the different industries they focus on, and differentiate among alternate architectures and approaches.

Presenting this webinar is Theresa Regli. She is Principal Analyst and Managing Director with The Real Story Group, covering and advising on digital & media asset management, enterprise search, and web content management.

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



[IP Microwave STL's](#)

with Jeff Holdenrid of DoubleRadius
June 27 -2-3 p.m. ET

SBE members - Free, thanks to
non-members - \$49



In August of 2011 the FCC abolished the last link rule opening up Part 101 licensed frequencies to broadcasters. Finally the FCC has opened up new frequencies that can be used for reliable STL's. These frequencies like 950mhz, 7ghz, and 13Ghz are licensed frequencies but with the ability to run high speed bidirectional data rates. These frequencies have the ability to provide up to a gigabit of bidirectional throughput to your transmission sites.

This webinar will inform you on these new licensed frequencies and the design do's and don'ts for these frequencies. The webinar also looks at a live path profile showing what can be done today.

Instructing this webinar is Jeff Holdenrid. He has been designing wireless networks for service providers around the globe with a primary focus on point to point and point to multi-point networks. He has recently been working with IP video security and VoIP. 11 of those years have been spent with DoubleRadius Inc.

Holdenrid is currently designing, supplying, and installing wireless solutions for Rural LEC's, public utilities, and the broadcast industry. His department heads up mission critical deployments. These deployments require the

most reliable solutions in the market and it makes him proud to know that he works for a company that stands behind its deployments. Holdenrid's specialties include putting the pieces together. His best days are when people come to him with an idea and he gets to help them make it a reality.

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

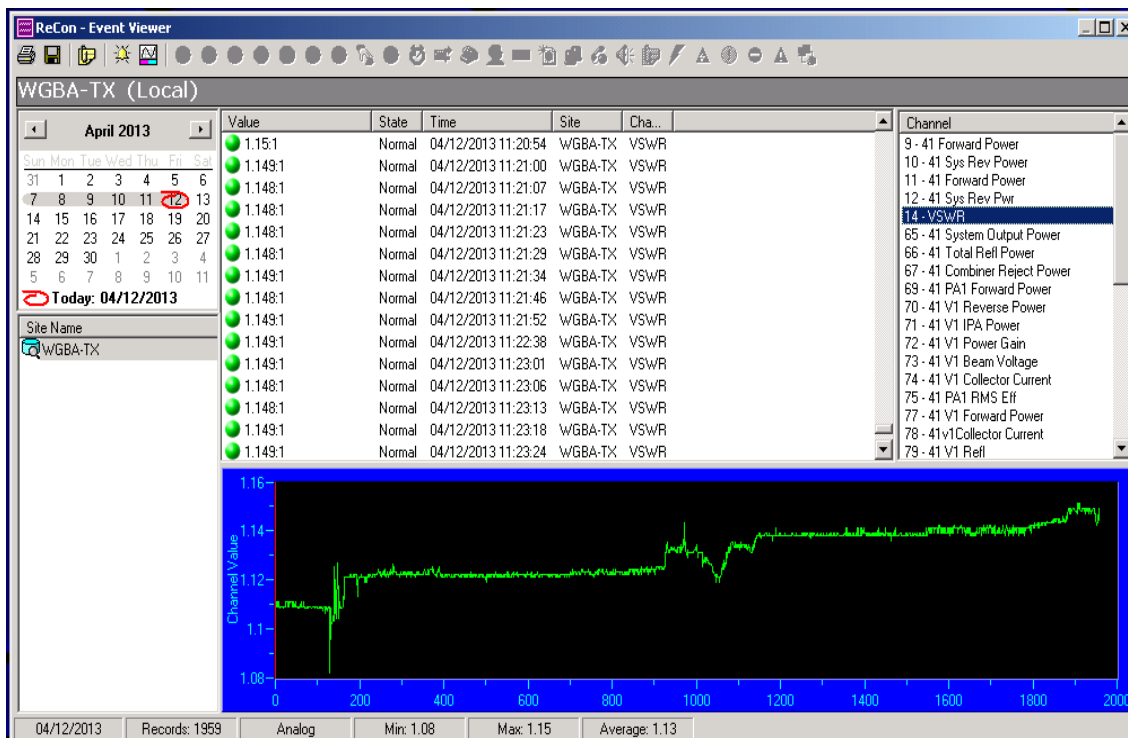


Group challenges at the 2012 SBE Leadership Development Course. The [2013 SBE Leadership Development Course](#) heads back to Atlanta. This highly interactive course takes place Tuesday-Thursday, August 13-15. Hyatt Place Atlanta Airport South is the location.

The SBE is pleased to have Rodney Vandever teaching the course once again this year. Bob Sulecki of WRTV Indianapolis, who attended the course last year, said, "Rodney knows this stuff inside and out and makes it interesting as well; plus the real life examples from his careers help prove the points."

Subjects of the course include effective motivation techniques, a self-assessment, managing conflict, building winning teams, insights into generational differences and more. [Visit our website for details.](#)

Picture of the month. Ice forming on an antenna may caused increased Voltage Standing Wave Ratio in the transmission line. The ice caused more problems when it fell-it knocked out our electric service.



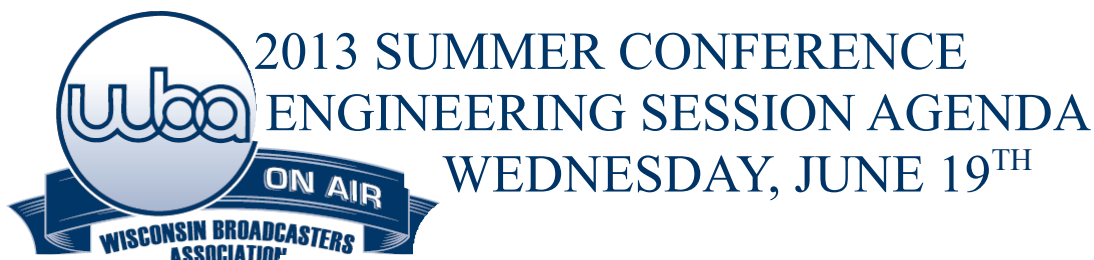
WBA-SBE Summer Engineering Workshop Wednesday June 19th

This year's Workshop will be held in conjunction with the WBA Summer Conference at the Osthoff Resort in Elkhart Lake,

WI. While Managers golf, Engineers will be in session having just as much fun. The day starts at 8:45am and ends at 4:30pm

followed by the Exhibit Reception, Dinner, and the infamous S'mores campfire by the lake, all covered by your low-cost, single-day registration.

The program committee has established the topics for the day and is working on booking speakers. A full agenda will be released soon. This one-day Workshop always includes lively audience discussions of timely subjects, so you'll want to save the date and make plans to attend. Rumor is it will actually be warm in Wisconsin by then. We'll see (sbe24.org)



At the Osthoff Resort in Elkhart Lake, WI

7:00 AM - 6:30 PM: Registration

8:40 AM: Opening Remarks, Michelle Vetterkind, WBA President & CEO

8:45 AM Session: Computer Network Security

9:30 AM Session: Physical Plant Security

10:15 AM: Break

10:30 AM Session: Emergency Information Dissemination

11:15 AM Session: Single Point of Failure (in Studio)

12:00 PM: Lunch

1:15 PM Session: The Engineers Software Toolbox

2:00 PM Session: Wireless IP Transmission

2:45 PM: Break

3:00 PM Session: Fiber Networks in Wisconsin

3:45 PM Session: IP Theory and Configuration

4:30 PM: Exhibits and Reception Open

Register at

<http://www.wi-broadcasters.org/wba/index.php/events/summer-conference/registration-form/>

WBA Media Technology Institute

WBA MEDIA TECHNOLOGY INSTITUTE

JUNE 17-20, 2013

THE OSTHOFF RESORT, ELKHART LAKE, WI

Media Technology Institute (MTI) focus is practical, instructional courses for prospective, beginning, and current broadcast/media engineers. MTI will consist of 3 days of instructional content, 1 day of technical seminars/equipment exhibition as part of the WBA Summer Engineering Conference. Underwriting for MTI is provided by the Wisconsin Broadcasters Association and Midwest Communications.



TERRY BAUN
WI ECB



BILL HUBBARD
UW-GREEN BAY



JIM KLAS
WI ECB



RICHARD WOOD
RESONANT RESULTS

MONDAY, JUNE 17

10:00 AM: Welcome with Michelle Vetterkind, WBA President & CEO and Welcome and Discussion of Schedule with Terry Baun Room: [Crystal Lake A](#)

10:15 AM: Introduction to Broadcast/Media Technology with Terry Baun Room: [Crystal Lake A](#)

12:00 PM: Break For Lunch Room: [Crystal Lake B](#)

1:30 PM: So You Want to be an Engineer with Bill Hubbard Room: [Crystal Lake A](#)

3:30 PM: The Engineer as Businessman with Jim Klas Room: [Crystal Lake A](#)

5:00 PM – 7:00 PM: Welcome Reception

TUESDAY, JUNE 18

9:00 AM: RF Fundamentals with Terry Baun Room: [Crystal Lake A](#)

10:30 AM: Care and Feeding of Antennas, Lines, Towers and Tower Climbers with Richard Wood Room: [Crystal Lake A](#)

12:00 PM: Break For Lunch Room: [Crystal Lake B](#)

1:30 PM: RF Fundamentals (continued) with Terry Baun Room: [Crystal Lake A](#)

4:00 PM: VSWR and Antenna Tuning with Jim Klas Room: [Crystal Lake A](#)

5:00 PM: Dismiss

WEDNESDAY, JUNE 19

9:00 AM: WBA Summer Engineering Conference Room: [Villa Gottfried](#)

12:00 PM: Engineering Lunch at WBA Summer Conference Room: [Palm Garden DEF](#)

1:30 PM: WBA Summer Engineering Conference Room: [Villa Gottfried](#)

5:00 PM: WBA Exhibits, Reception and Dinner Room: [Palm ABC](#), Dinner: [Lakeview Room/Patio](#)

THURSDAY, JUNE 20

9:00 AM: IT/Networking Fundamentals with Terry Baun Room: Crystal Lake A

12:00 PM: Break For Lunch Room: Crystal Lake B

1:30 PM: Leave for station tour (carpool)

2:00 PM: Radio Station Tour, Sheboygan with Tim Laes

3:00 PM: Wrap-up, Q & A with Terry Baun

3:30 PM: Dismiss, return to hotel or directly home

TO REGISTER, PLEASE COMPLETE AND RETURN THE FORM BELOW TO THE WBA OFFICE BY MAY 27, 2013.

[2013 WBA Media Technology Institute Registration Form](#)

QUESTIONS? PLEASE CONTACT LINDA BAUN AT LBAUN@WI-BROADCASTERS.ORG OR 1-800-236-1922.

SBE-WI WBA Internships available

Fellow Broadcast Engineers,

The Wisconsin Broadcasters Association and Foundation seek to assist us in growing future broadcast engineers. Up to five grants at \$2,500 for a two-month summer internship are available. We need local stations to host those students who've applied for an internship. Yes, a number of students have applied for this opportunity.

This program may be discontinued if we don't step up to the plate today. See attached application. Please consider hosting a student this summer.

Sincerely,

Leonard Charles
WBA-SBE Engineering Program Chair
Madison, WI
608-277-5154
Lcharles@wisctv.com

State and National EAS Test Results By Gary Timm, Wisconsin SECC Chair

On Friday, April 19, 2013, the National Weather Service in Wisconsin tested its live code EAS Tornado Warning code as part of the state's Tornado and Severe Weather Awareness Week.

With severe weather expected in much of the state on April 18, the intended test date, the test was postponed to the next day. Stations did a commendable job of publicizing the moved test date, and all but one county moved local test drills to the next day as well. Although Wisconsin had intended to coordinate its test time to coincide with Minnesota's, the State of Minnesota decided to go ahead with the EAS tornado test on the original Thursday which did not seem to cause any issues in Wisconsin.

On Friday, most Wisconsin stations carried our Tornado code test on the air, despite wall-to-wall coverage of the Boston Marathon bombing suspect manhunt. Many stations carried the Tornado Watch (TOA) at 1:00PM, as well as the Tornado Warning (TOR) at 1:45PM. Considering feedback from stations, next year we will likely move the TOA to a slightly later time so it doesn't fall directly on the top of the hour. The only issues we are aware of concerned NWS issuing the TOA slightly late, and an equipment freeze-up in the Duluth NWS Office at 1:45PM that required the test code to be resent at 1:48PM. Your WBA, NWS and Wisconsin Emergency Management thank all stations for their pre-test publicity and rebroadcast of the test.

Now to jog your memory a bit – back on November 9, 2011, there was a Nationwide EAS Test. Well, the FCC's Public Safety and Homeland Security Bureau (PSHSB) finally last month issued a report on that test. The Commission received data from over 16,000 broadcast stations and cable systems, of which 83% and 73% respectively reported they received the test. Thus, despite the audio quality problems experienced, the FCC and FEMA concluded that "the nationwide EAS distribution architecture is basically sound".

The FCC anticipates future national EAS tests, following its re-examination of the current EAS rules and adoption of possible new rules. The WBA Newsletter will keep stations updated on any proposed new EAS rules. Regarding those EAS Participants that did not report results of the test to the FCC, which they were legally required to do, the PSHSB stated, "there are a significant number of EAS Participants that still appear not to have filed the required reports. Accordingly, the Bureau plans to confirm cases of continued non-filers and refer them to the Enforcement Bureau for possible further action". Let's hope there are no Wisconsin stations in that category. Watch these pages for further EAS updates as warranted. (Wisconsin Broadcasters Association)

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Jim Lienau
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920-617-7101
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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

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Ben Evans, P.E.
President

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

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WOODWARD RADIO GROUP

Greg Bell
VP Broadcast/General Manager

Direct 920.831.5655
Cell 920.570.2162 • gbell@wrcinet.com
PO Box 1519 • Appleton, WI 54912-1519




WOODWARD
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 **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
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 **Don Heinzen**
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Direct: 608.848.2001
don.heinzen@belden.com
9001 Hawks Reserve Lane, #103
Verona, WI 53593
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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

 **Office: 920.617.7100**
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WOODWARD RADIO GROUP

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

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



WOODWARD
RADIO GROUP

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