



The Society of Broadcast Engineers

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

August 2012

The August meeting of SBE chapter 80 will be held at the Out O' Town Club on Tuesday August 21st at noon. Our program will be a forum discussion about the industry. Thanks to Mark Heller for the picnic photos below.

Chairman's Corner

Welcome to our eNewsletter!

Our next meeting of Chapter 80 will be on Tuesday, August 21st, 2012 at noon at the Out O' Town Club in Kaukauna. The August program, at the Out-O-Town Club will be an ad-lib program with an open forum discussion of what's going on in the industry. Discussions could include EAS CAP leftovers, Spring-Summer storm damage stories, CALM Act progress/status, What can we do locally to grow young engineers etc. Please bring your concerns, ideas and questions to the meeting.

The July meeting of Chapter 80 was our annual Site Picnic, on Tuesday, July 17, 2012. This year's picnic was an encore picnic at Mark Heller's new WGBW Transmitter Site outside of Green Bay at the intersection of Pleasant Road and Zander Road, just south of Denmark. A special thanks to Mark Heller for hosting the summer picnic, Mrs. Heller for the wonderful condiments, Mark Friedman and Steve Konopka at the grill, Steve Brown for the tables and chairs and John Pfankuch for facilitating the picnic.

Voting for candidates to serve on the 2012-13 SBE Board of Directors is ongoing. Members of SBE are able to vote online for the first time in society history. Voting members should have an email from Intelliscan. The email contains a unique link to the member's ballot. To vote, open that email and click on the link. Each of those messages will also contain the unique link to the member's ballot. Members who opted out of electronic voting are receiving ballots in the mail. All electronic ballots must be cast by the deadline of 4:30 p.m. EST on Tuesday, August 28. Paper ballots must be received at the SBE National Office by that same date and time.

Upcoming events:

Tuesday, September 18, 2012 – SBE Chapter 80 - TBD

Tuesday, October 9 thru Thursday, October 11, 2012 – SBE/WBA Broadcasters Clinic, Madison Marriot West Middleton, Wi. Details and registration: www.wi-broadcasters.org Early Bird Registration deadline August 17, 2012.

Tuesday, November 20, 2012 – SBE Chapter 80 - TBD

I look forward to seeing you on Tuesday August 21st, 2012 at our Chapter 80 monthly meeting at the Out O' Town Club in Kaukauna.

Best Regards,

Timothy J Laes

CHAPTER 80 ELECTED AND APPOINTED OFFICERS 2011-2012

Chairman	Tim Laes	WGEE WIXX WNCY WROE	920-435-3771	tlaes@new.rr.com
Vice 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	jpgfankuch@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		920-438-3258	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
Past Chairman	Keith Kintner	UWO	920-424-7357	kintner@uwosh.edu
Board of Dirs/SBE Liaison	Keith Kintner	UWO	920-424-7357	kintner@uwosh.edu

SBE University - online self study courses available on-demand

Featured Course [ENG Truck Operations](#)

Written by Mike Seaver, CBT
Edited by Ed Williams, CPBE

SBE members - \$85; non-members - \$85



This course, designed for non-technical personnel, covers the basics necessary to produce a safe, good quality field produced shot from both microwave based vehicles and satellite uplink vehicles. Topics include safety, microwave principles and operation, audio, video, various IFB techniques, lighting basics, use of wireless microphones and some advanced applications.

Students will learn the basics required to set up a good live shot from the field and understand the safe practices involved in the application of typical remote news gathering equipment.



Photo Courtesy of
Frontline Communications

[Course Preview](#)
[More Information and Registration](#)

Webinar by SBE on RF Safety

[RF Safety Course](#)

September 25 -12-3:15 p.m. ET

with Richard Strickland, RF Safety Solutions

SBE members - \$95; non-members - \$150



This training is designed for broadcast station personnel, including chief and assistant chief engineers, transmitter site engineers, ENG and SNG maintenance personnel and management that need to have an understanding of RF safety issues and regulations. Topics include proving compliance at a broadcast site, the biological effects of RF radiation, the differences between RF radiation and ionizing radiation, FCC and OSHA regulations, workplace hazards and more.

Registration has been simplified! View this webinar from any location with an Internet connection.

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

IP Networking Part 1 webinar is September 11

The SBE is presenting "IP Networking Part 1 - the OSI Model and Layers," a live webinar from 2 to 3:30 p.m. ET on September 11 that will assist those taking the CBNE exam during upcoming exam sessions. Instructing the webinar will be Wayne Pecena, CPBE, 8-VSB, AMD, DRB, CBNE. This webinar will introduce concepts of the OSI Model and examine the physical, network and transport layers as applied to IP networking. The cost is \$49 for members of the SBE and \$75 for non-members. [Registration](#) is available on the education section of the SBE website.

The Agenda for the 2012 Broadcasters Clinic (attached) has been published so it's time to begin this year's solicitation for **applicants to the Don Borchert Broadcasters Clinic Fellowship**. Please mention it at your monthly meetings between now and October and, if possible, please publish it in your Chapter newsletter. Attached is a sample article for the newsletter. By all means, if you know of someone who would benefit from this program, please urge them to apply. Let me take this opportunity to thank you and your Chapter for providing the funds to continue this program this year. I truly believe that the largest part of the SBE mission is to educate. The Wisconsin SBE Chapters are surely doing their part.

This is for the Television Engineers on the list. You've begun to receive promotional emails about an **ATSC/SBE seminar on CALM** being held in Chicago on August 23rd. This email is a reminder that this non-trade-show educational program and others like it are qualified for the WBA Engineering Fellowship Grant. There is a limit of 5 grants per year, first come first served, for up to \$1,000 each in event registration and travel expenses. If you are considering attending the CALM seminar, information on the Grant program is at the link below.
<http://www.wi-broadcasters.org/wba/wp-content/uploads/Fellowship-Grant-Application2.pdf>

Leonard Charles

WBA-SBE Broadcasters Clinic Program Chair

New SBE University Course - Use of SNMP in Broadcast Monitoring Control Systems

The SBE has introduced the twelfth course of its SBE University series; Use of SNMP in Broadcast Monitoring Control Systems. The purpose of the course is to give students an introduction and overview of the Simple Network Management Protocol, or SNMP. With IP networking becoming an ever-increasing part of a broadcast engineer's environment, there is an opportunity to exploit this legacy IT protocol for our benefit. SNMP is a way to monitor data points and control different functions in remote equipment, using an existing IP network. Much of the latest generation broadcast equipment supports this protocol, and facility control devices are appearing on the market that can incorporate data and control functions obtained via SNMP alongside information and controls that use traditional hardwired inputs and outputs.

This course will offer a basic description of how SNMP works - the structure and types of SNMP messages, how they are transported over the network, and how they can be used to monitor and control remote equipment. It will then explore the data that the distant equipment might return, and how best to integrate that into an overall facility control plan. And finally, the course will cover the types of equipment that support SNMP communications and also cover the topic of using the protocol for site-to-site communications.

Course Chapters:

1. Overview
2. SNMP Transport and Packet Structure
3. SNMP Versions and Messages
4. Object Identifiers and MIB Files
5. Understanding an OID
6. OID Index Values
7. Using SNMP Commands and Understanding Data
8. Advantages of Using SNMP

The course is written for the SBE by Tony Peterle, CSRE. Peterle grew up in Central Ohio and graduated from the College of Wooster in 1981. He has been involved in radio broadcasting continuously since high school and has held Chief Engineer positions in Honolulu, Kansas City and Wichita. He earned the CSRE certification from the SBE in 2005. Shortly thereafter, he came to work for Audemat, and enjoys helping customers solve problems, traveling, contributing to the design of new products.



Chapter 80 Site Picnic, on Tuesday, July 17, 2012



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: beneevansengsolutions.com

RENEWABLE ENERGY · WIRELESS COMMUNICATIONS · BROADCAST

WOODWARD RADIO GROUP

Greg Bell
VP Broadcast/General Manager




Direct 920.831.5655
Cell 920.570.2162 • gbell@wcdnet.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



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




Direct 920.831.5659
Fax 920.739.0494 • sbrown@wcdnet.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