



The Society of Broadcast Engineers

Fox Valley Wisconsin, Chapter 80
2308 East Henry Street
Appleton, Wisconsin 54915-3547

March 2008

The next meeting of Chapter 80 SBE will be at the Out O Town Club in Kaukauna on Tuesday March 18th at noon. Our program will be "Workflow with the Apple computer within the Broadcast Environment" by John Ladle



Chairman's Corner

Welcome!

Our March meeting of Chapter 80 will be held on Tuesday, March 18, 2008, at noon at the Out O' Town Club in Kaukauna. Our guest will be John Ladle of HD Sales with a presentation discussing "Workflow with Apple Computer within the Broadcast Environment". As Broadcast environments become more File-Based with Network interface vs Baseband Signals and real time signal flow, Apple Computer is becoming more a viable option for broadcasters for Journalistic post, commercial editing, and graphics. Apple is now offering a workflow solution for news. And, AJA, Apple's close partner, providing hardware interfaces for 4:2:2 and HD environments, is key to integrating Apple into a Broadcast workflow. The presentation and discussion will cover Apple's latest hardware and software offerings and AJA's IO HD interface for Mac and Final Cut Pro. With Apple's announcement of not exhibiting at NAB this year, this is a great opportunity to see and discuss Apple and AJA technologies and what solutions they have to offer. John has worked for Apple Computer and is now with HD Sales. He maintains a close relationship with Apple and represents AJA in the Midwest. The presentation will cover topics that would be of interest not only to engineering but also graphic designers, editors and news directors. Invite some of your staff and friends to join us!

Our February meeting was held on Tuesday, February 19, 2008, at the Out O' Town Club in Kaukauna. Jeff Welton, Technical Sales Representative for Nautel, gave a talk on "Stuffing 10 Inches of Data Down a 5-inch Pipe." For further information, visit the Nautel site at: www.nautel.com or email Jeff at: jwelton@nautel.com



April 11-17, 2008 -- NAB 2008, Las Vegas, NV. Our meeting postponed 1 week...

Tuesday, April 22, 2008 -- NAB Review/Chapter elections & tentatively, Rubycon audio consoles

Tuesday, May 13, 2008 -- tentative -- w/Camera Corner Technology Expo, Green Bay, WI

Wednesday, June 18, 2008 -- at the WBA Engineering Workshop, during the WBA Summer

Conference (June 18-19), at Stone Harbor Resort, Sturgeon Bay, WI

Tuesday, July 15, 2008 -- tentative -- Site Picnic

Tuesday, August 19, 2008 -- TBA

Tuesday, September 16, 2008 -- TBA

Friday, October 3, 2008 -- Taste of NAB 2008 Roadshow

Wednesday, October 15, 2008, with the WBA Broadcasters Clinic, and SBE National Meeting (October 14-16), at the Marriott West, Madison, WI

Tuesday, November 18, 2008 -- TBA

Tuesday, December 16, 2008 (evening) -- annual Christmas Party

I look forward to seeing you at our March meeting at the Out 'O Town Club in Kaukauna, on Tuesday, March 18 at noon.

Regards,

Keith M. Kintner

Upcoming certification exam schedule

April 15, 2008	NAB	February 29, 2008
June 6-16, 2008	Local Chapters	April 18, 2008
August 8-18, 2008	Local Chapters	June 6, 2008
November 7-17, 2008	Local Chapters	September 19, 2008

Cellcom
Clearly The Best.

Jim Lienau
Vice President of Corporate
Technical Services
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

HVS

Mark Bartolotta
Regional Sales Manager

Heartland Video Systems, Inc.
1311 Pilgrim Road
Plymouth, WI 53073
Tel: (800) 332-7088
(920) 893-4204
Cell: (920) 912-1054
Fax: (920) 893-3106
EMAIL: mbart@hvs-inc.com
www.hvs-inc.com

Broadcast & Professional Solutions
CONVERSION • ROUTING • DISTRIBUTION • TRANSMISSION

Belden CDT

BELDENCable

David Geon
Sales Representative

Belden CDT Inc.
Electronics Division
P.O. Box 25662
Wauwatosa, WI 53226-0662
www.belden.com

Telephone: (414) 453-7409
Facsimile: (414) 433-1850
david.geon@belden.com

Certification News by Jim Sams Congratulations to Mark Heller. He notified me that he received his certification card for Broadcast Radio Engineer. There will be quite a bit of work ahead for some of us this year as TV approaches the end of analog transmission service and FM becomes fully engaged in digital radio broadcast. Of course, for all of us, one of the keys to these transitions is education. Education of ourselves and our consumers. The year end certification report from National indicates a pretty active certification program. Over the past year we have had 496 new certifications with 4 Professional Applications at National waiting for approval. We also had 252 recertifications plus there are 56 Recertification Applications at different levels waiting for approval. In November of 2007, the first exams of the **D**igital **R**adio **B**roadcast Specialists were given. To date, 8 DRB designations have been given. The annual SBE membership drive, "Be Part of a Winning Team", kicked off March 1st and runs through May 31st. We, as members and engineers, need to continue to stress the importance of certification and membership. Members are what make our society strong. The Membership Drive prizes aren't bad either.

SBE-news Provides New Tool to Communicate with Members Indianapolis – February 26, 2008 - As part of its ongoing effort to better communicate with its members, the Society of Broadcast Engineers has launched the SBE-news e-mail newsletter. Distributed twice each month, the email provides information about SBE programs, activities and current events to its members. The newsletter also offers the opportunity for the Society's Sustaining Members to advertise to a highly targeted audience of radio and television broadcast engineers at a reasonable cost.

"SBE-news gives us an extremely fast and effective means to communicate with our members," said SBE President, Barry Thomas, CPBE, CBNT. Thomas went on to say that, "The newsletter offers a way to not only inform our members of national activities but also provides a means that we can all participate and make a difference in our profession." The SBE has published a print newsletter called The Signal for many years. The Signal is published every other month and is mailed to all of the society's more than 5,500 members. In 2007, the SBE launched the SBE Roundtable, an e-mail forum for SBE members to discuss technical issues, provide technical support through the society's professional networking, and discuss general SBE matters.

SBE members with a current e-mail address on file at the SBE National Office are already receiving the newsletter. SBE members who are not receiving it but would like to should contact the national office. (sbe.org)

More than 13 million households with television sets that can only receive analog broadcasts are currently unprepared for the transition to all digital broadcasting that is scheduled for February 18, 2009, according to the Nielsen Company.

Another 6 million households have at least one television set that would no longer work after that date.

Nielsen found that adults over 55 are better prepared than younger households.

Among the key findings reported:

- * 10.1% of all households would have no access to television signals if the transition occurred today.
- * 16.8% of all households have at least one analog television set that would not work after the switch.
- * New York is the most ready local television market, with just 3.5% "unready" television sets.
- * Portland, OR is the least prepared local market, with 22.4% of all households using only analog sets and over-the-air television. (nielsenmedia.com)

GEMCOM
Communications Consultant
Broadcast, Sound, Voice & Data

GARY W. MACH
1511 Biemeret St.
Green Bay, WI 54304
(920) 499-4637

1150
WHBY
105.7
WAPL
95.9
WKSZ
94.7
WZOR
1570
WSCO
104.3
WEGB

STEVE BROWN, CPBE, CBNT
Director of Broadcast Engineering
Direct 920-831-5659
W9APL Amateur Call Sign

**Woodward
Communications, Inc.**
BROADCAST DIVISION
"Building our tomorrow today"
P.O. Box 1519 • Appleton, WI 54912-1519
Fax 920-739-0494 • sbrown@wcinet.com

DAVID R. PRITCHARD
CPBE
DIRECTOR— SATELLITE & VIDEO SERVICES
EMPLOYEE-OWNER SINCE 1979

NORLIGHT TELECOMMUNICATIONS
3617 OAKTON ST., SKOKIE, IL 60076
847-674-6964
FAX/847-674-7485

wAve communications
Antenna & Tower Service Since 1968

Russ Prieve
Erection Manager/
Project Manager
Mobile: (608) 575-2888

NATE
PCS
Cellular
Erection
Two Way
Microwave

4587 Hwy. TT
Sun Prairie, Wisconsin 5359
www.wave-com.com

Phone 608-837-9050
Fax 608-825-9050

SONY

Joseph P. Kaufenberg
Account Manager
Broadcast & Production Systems Division

Sony Electronics Inc.
1422 138th Lane NW
Andover, Minnesota 55304
Telephone (763) 755-2501
Fax (763) 755-2495
Cellular (612) 237-3368
E-mail: joe.kaufenberg@am.sony.com

GREG BELL
VP Broadcast / General Manager
Direct 920-831-5655

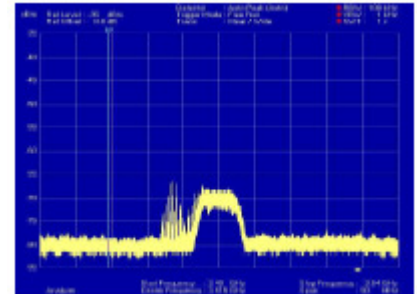
Woodward Communications, Inc.
BROADCAST DIVISION
"Building our tomorrow today"
P.O. Box 1519 • Appleton, WI 54912-1519
Fax 920-739-0494 • gbell@wcinet.com

1150 WHBY
105.7 WAPL
95.9 WKSZ
94.7 WZOR
1570 WSCO
104.3 WECB

CHAPTER 80 ELECTED AND APPOINTED OFFICERS 2006-2007

Chairman	Keith Kintner	UWO	920-424-7357	kintner@uwosh.edu
Vice Chairman	Evan Stanek	Woodward Communications	920-831-5682	estanek@wcinet.com
Secretary/Treasurer	Steve Brown	WHBY WAPL WKSZ WZOR	920-733-6639	sbrown@wcinet.com
Program Chairman	John Pfankuch	Heartland Video Systems	920-893-0204	jpffankuch@hvs-inc.com
Program Chairman	Bill Hubbard	WBAY-TV2	920-438-3276	bhubbard@wbay.com
Membership Chairman	Al Kilgore	WRVM	920-842-2839	akilgore@wrvm.org
Sustaining Memberships	Greg Tadyshak	WBAY-TV	920-438-3258	gtadyshak@wbay.com
Frequency Coord. < 1 GHz	Tim Laes	WGEE WIXX WNCY WROE	920-435-3771	tlaes@new.rr.com
Frequency Coord. > 1 GHz	Joe Kamenick	WFXS TV-55, Wausau	715-847-1155	jckamenick@wfxs.com
Newsletter Editor	Bill Tessen	Heartland Video Systems	920-893-4204	btessen@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	Christian Family Radio	920-749-9456	jim@bjensen.net
EAS Coordinator	Steve Konopka	WPNE TV/FM	920-336-3541	skonopka@ecb.state.wi.us
Past Chairman	Mark Friedman	WPNE TV/FM	920-336-3541	titletownfans@yahoo.com
Board of Dirs/SBE Liasion	Keith Kintner	UWO	920-424-7357	kintner@uwosh.edu

WiMax could interfere with C Band Satellite signals. Several national administrations around the world have designated portions of the frequency band 3.4 – 4.2 GHz for use by terrestrial wireless applications such as WiMAX and future mobile services. However, this band, commonly referred to as the C-band, is already in use by satellite services, radar systems and domestic microwave links. The Global VSAT Forum (GVF) held an Emergency C-band Summit in Washington, D.C. during which it coordinated an effort to confirm whether WiMAX systems would cause severe interference to satellite systems operating in an adjacent frequency band.



The results of the testing showed that the WiMAX transmit signal could cause significant problems to a digital signal well in excess of 12 km away. At the extreme measurement distance, the video program was fully operational with the WiMAX carrier centred on the video carrier. However, the data BER was degraded from a nominal 10-8 to a BER of 10-4 . This is an unacceptable quality of service in the digital telecommunications industry. Subsequent calculations based on the initial measured data, resulted in a required separation distance of 278 km to reduce the level of interference to meet the -10 dB specification. (www.suirg.org)

ENG 2GHZ relocation schedule set. MSTV is pushing hard to get the Nextel 2Ghz relocation project done. In order to avoid having to share the band with the MSS industry they have proposed a new market cutover time line that will prioritize markets based on the markets that MSS wants to occupy first. For markets in Wisconsin:

- August 2008 Green Bay-Appleton
- October 2008 Milwaukee/Madison
- August 2009 Wausau-Rhineland/Superior/LaCrosse-Eau Claire

GEPCO

Chris W. Lordots
Central Regional Sales
Manager

1770 Birchwood Avenue
Des Plaines, IL 60018-3006
Office: 847-795-9555/800-966-0069
Mobile: 773-905-9711
Fax: 847-795-8770
E-mail: chris_lordots@gepco.com
www.gepco.com

ST. PAUL TOWER
Dedicated To Excellence

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

www.stpaultower.com

NATE WSTA CBS

ROSCOR

Media & Information Technologies

Jim Pianowski
Sales Representative

ROSCOR CORPORATION
1061 Feehanville Drive
Mount Prospect, IL 60056
847-299-8080 ext. 343
cell: 847-651-8151
fax: 847-299-4206
jpianowski@roscor.com
www.roscor.com

ISO 9001:2000 CERTIFIED



Society of Broadcast Engineers Chapter 80
2308 East Henry Street
Appleton, Wisconsin 54915-3547

Focus on the SBE Marketing Committee At the 2007 SBE National Meeting in Pittsburgh, the SBE Board of Directors voted yes on the formation of a new committee called the “Marketing Committee.” I was lucky enough to be appointed the committee’s first chairman. Committee members include Tom Ray of Buckley Broadcasting, Vincent Lopez of WSYT/WNYS, Syracuse, Jim Leifer of Clear Channel Radio, Florida and Gary Kline of Cumulus Broadcasting.

The primary goal of the committee is to increase the visibility of the Society beyond the existing member base. Secondary goals include fostering better communication amongst our members, assisting with our recruiting efforts to increase membership, helping to write and review press release information and to assist the national office with our advertising efforts. Conrad Trautmann, CPBE, Chairman (sbe.org)

The SBE Chapter 80 Newsletter is published monthly. Members are welcome to contribute articles or ideas. Please have your submissions in by the 4th of the month to Dave Driessen or Bill Tessman.