



The Society of Broadcast Engineers

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

May 2009

The next meeting of Chapter 80 SBE will be at the the Out O' Town Club in Kaukauna at noon. Our program will be by Hal Buttermore about audio processing for DTV

Chairman's Corner

Our May meeting of SBE Chapter 80 will be held on Tuesday, May 19, 2009 at the Out O' Town Club in Kaukauna. Our guest speaker will be Hal Buttermore from Linear Acoustic. Hal's program is entitled, "DTV Audio Myths and Realities: Some Useful Facts for the Transition...Now."

This presentation will discuss how loudness problems can be managed to ensure viewer satisfaction and FCC compliance. He will review Dolby Digital (AC-3) and why metadata alone is NOT sufficient to properly handle loudness levels. ITU BS.1770, a new international loudness measurement standard will be introduced and explained. We will have a discussion of what makes a modern audio transmission processor designed for 5.1 critically different than legacy or even card-based systems and outline a multi-stage loudness solution for Ingest, Production, and Transmission. Some hidden surprises in the AC-3 system including 2-channel/5.1 channel switching issues and how to avoid them will be revealed. The distribution structures of several different networks will be presented along with advice on how local affiliates need to be prepared to handle these signals. Finally, he will discuss loud commercials, viewer complaints, C.A.L.M., and summarize a logical approach for the June 12th, 2009 transition.

Broadcaster General Store has offered to host the lunch, and I thank John Pfankuch of Heartland for making the arrangements for the meeting.

Our April meeting was held on Tuesday, April 28 in Oshkosh. We met at noon at the Roxy Supper Club for lunch and a brief business meeting. Following lunch, we went on a tour of the AT&T U-verse head end located a short distance from the restaurant. A special thanks to Brian Kawczynski, AT&T Video Operations Manager for hosting the tour, and Bill Hubbard for making the arrangements.

Upcoming events:

- Wednesday, June 17, 2009 – SBE/WBA Summer Engineering Workshop at the Ostoff Resort in Elkhart Lake, WI. Register online at: www-wi-broadcasters.org
- Tuesday, July 21, 2009 – Chapter 80 picnic at Heartland Video Systems in Plymouth, WI
- Tuesday, August 18, 2009 – Chapter 80 meeting – TBA
- Tuesday, September 15, 2009 – Chapter 80 meeting -- TBA

I look forward to seeing you on Tuesday, May 19, 2009 at noon at the Out O' Town Club in Kaukauna!

Regards,
Keith M. Kintner

2009 SBE Certification Application and Exam Schedule


Exam Date(s)	Location	Application Deadline
June 5-15, 2009	Local Chapters	April 17, 2009
August 7-17, 2009	Local Chapters	June 5, 2009
November 6-16, 2009	Local Chapters	September 18, 2009



Mark Bartolotta
Regional Sales Manager

Heartland Video Systems, Inc.
1311 Pilgrim Road
Plymouth, WI 53073
Tel: (800) 332-7088
(920) 893-4204
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E-mail: jim.lienau@cellcom.com

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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

WBA Summer Conference - June 17th - 18th

Mark your calendars and make your reservations now to join us as your WBA travels to the beautiful Osthoff Resort in Elkhart Lake for our 2009 Summer Conference, which will take place June 17 & 18, 2009. As always, we invite broadcasters, industry colleagues, family and friends to attend. As has become our tradition, the Summer Conference promises to offer something for everyone, and will be beneficial, educational, and also lots of fun! The engineering sessions are on Wednesday June 17th. Register by June 3rd (WBA)

Register online at <http://www.wi-broadcasters.org/events/Summer%20Conference/summerconfreg.htm>

DTV Readiness Improves With seven weeks remaining until the transition to digital television, 3.5 million or 3.1% of U.S. TV households remain completely unready for the June 12 switch according to Nielsen. The figure is an improvement of more than 100,000 households in the two weeks since the last update. Hispanic households showed

the largest percentage improvement, moving from 5.4% unready down to 5%. (Nielsen.com)

Chapter elections. Congratulations to Keith Kintner Evan Stanek and Steve Brown who agreed to continue to serve as our chapter officers for another year.

FCC releases **QUARTERLY REPORT ON INFORMAL CONSUMER INQUIRIES AND COMPLAINTS** The Commission has released its report on the top subject areas for inquiries and complaints processed by the Consumer & Governmental Affairs Bureau (CGB) during the fourth quarter of calendar year 2008. During this quarter, complaints in the reported categories decreased over 28%, from 98,816 in the 3rd quarter to 70,836 in the 4th quarter of 2008. Most of the decrease occurred between the Radio and Television Broadcasting category where complaints decreased over 27% from 40,057 in the third quarter to 29,106 this quarter (fcc.gov)

	October	November	December	Quarter Totals
Radio and Television Broadcasting				
Disability & Access Related Issues	10	17	23	50
Carrier Marketing & Advertising	47	36	33	116
Programming - General Criticism	153	90	68	311
Digital Television Issues	232	199	283	714
Other Programming Issues	479	416	277	1,172
Programming - Indecency/Obscenity**	16,195	9,794	754	26,743
<i>Totals</i>	17,116	10,552	1,438	29,106

FCC complaints received last quarter 2008



INTERNATIONAL, INC.

1770 Birchwood Avenue
Des Plaines, IL 60018-3006
Office: 847-795-9555 ext.21
Mobile: 847-942-7990
Fax: 847-795-8770
E-mail: rick.thompson@gepco.com
www.gepco.com

Rick Thompson
Central Regional Manager



ASSOCIATES

B. Benjamin Evans, P.E.
Partner
210 South Main Street, Thiensville, WI 53092-1905
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Steve Johnson
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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.
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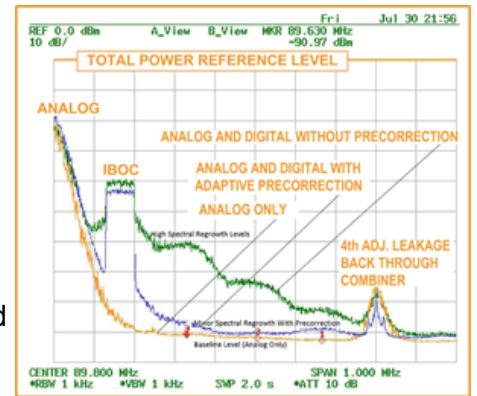
1150 WHBY
105.7 WAPL
95.9 WKSZ
94.7 WZOR
1570 WSCO
104.3 WECEB

CHAPTER 80 ELECTED AND APPOINTED OFFICERS 2009-2010

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	jpgankuch@hvs-inc.com
Program Chairman	Bill Hubbard	WBAY-TV2	920-438-3276	hubbardw@uwgb.edu
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	WFXX TV-55, Wausau	715-847-1155	jkamenick@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	Christian Family Radio	920-749-9456	jim@bjjensen.net
EAS Coordinator	Steve Konopka	WPNE TV/FM	920-336-3541	skonopka@ecb.org
Past Chairman	Mark Friedman	WPNE TV/FM	920-336-3541	titletownfans@yahoo.com
Board of Dirs/SBE Liason	Keith Kintner	UWO	920-424-7357	kintner@uwosh.edu

NRSC-G201 RF Mask Compliance Measurement Guideline Adopted. The purpose of the Guideline is to provide background information as well as detailed instructions on the best methods and practices for determining compliance, for both hybrid AM and hybrid FM IBOC, for the situations most likely to be encountered. Some of the topics covered in this new NRSC Guideline, which is nearly 100 pages in length, include the following: Modulating signals and compliance measurement – the signal(s) used for modulating the analog portion of the HD Radio hybrid FM IBOC signal can introduce variance in RF mask compliance measurement results. Since the shape of the PSD envelope of the analog portion of the hybrid signal is determined by the modulating signals applied to the analog carrier, a test signal is recommended which results in repeatable measurements, thereby eliminating variances due to the modulation. The recommended test signal has been found to be more “demanding” against the mask (by about 2 dB) than using “pink” noise or program audio.

AM IBOC mask compliance— this section addresses use of both the 47 CFR §73.44 analog peak mask and the NRSC-5 hybrid AM IBOC PSD masks when doing AM IBOC mask compliance measurements. A three-step procedure is described involving a legacy analog mask measurement, an analog-sideband-to-digital overlap measurement, and a full hybrid IBOC measurement.. (nab.org)



This document will be available on the NRSC's web site at www.nrscstandards.org

Media & Information Technologies

ROSCOR

Jim Pianowski
Sales Representative

ROSCOR CORPORATION
1061 Feehanville Drive
Mount Prospect, IL 60056
1-847-299-8080 x1343
1-800-843-3679
fax: 1-847-299-4206
jpianowski@roscor.com
www.roscor.com

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2308 East Henry Street
Appleton, Wisconsin 54915-3547

The FCC has improved its digital tv transition web site. Check it out at www.dtv.gov

Get Help Locally

Find DTV resources in your area. Locate Support Centers, View DTV Coverage, Contacts, Events and more...

Your ZIP Code:

Green Bay, WI

Channels predicted to be available after DTV Transition: **Up to 12**



- Stations Transitioned: 8
- Stations Transitioning Soon: 4

It appears that there is sufficient signal strength to view up to 7 channels. ★

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.

GEMCOM
Communications Consultant
Broadcast, Sound, Voice & Data

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