



**Chapter 24, Inc.
Madison, Wisconsin**

Society of Broadcast Engineers

May 2005

WBA/SBE Summer Engineering Workshop Announced

By Leonard Charles

The 2005 WBA/SBE Summer Engineering Workshop will be held on Wednesday June 15th at the Heidi House Resort in Green Lake.

The Theme this year is DISASTER PREPAREDNESS AND RECOVERY.

Here is the agenda of presentations for the day:

8:30am On Site Registration, Coffee and Rolls provided

9:00 - 9:45am Emergency Live Closed Captioning (including Demo)
Laura Deckert, Wisconsin Captioning, LLC

9:45 - 10:30am Readiness in the Nuclear Power Industry
Todd Gemskie, Point Beach Nuclear Power Plant

10:30 - 10:45am Break

10:45 - 11:00am New Innovations in Wisconsin Alerting (Panel Discussion)
Gary Timm - Chair, Wisconsin Emergency Communications Committee
Alan Wholferd - Communications Director, Wisconsin Emergency Management
Rusty Kapela - Warning Coordination Meteorologist, National Weather Service

Noon - 1:30pm Lunch

1:30 - 2:15pm US Postal Service Disaster Planning

(continued on page 4)

Next Meeting:

**Thursday,
May 19, 2005**

**Token Creek
Truck Tour**

**Dutch Treat Dinner
at 5:30 PM**

**Meeting and Program
at 7:00 PM**

**at Token Creek
Mobile Television
4275 Acker Road
(see flyer inside for
directions)**

In This Issue:

Minutes page 2

Amateur Radio News page 3

Election Results page 4

SBE's Short Circuits page 5

FCC Rulemakings page 6

What Are You Doing With Your Knowledge?

By Steve Epstein, CPBE CBNT

Anyone who has worked in a profession for some length of time has acquired knowledge. Some refer to that knowledge as "on-the-job training." Others refer to it as the "school of hard knocks." Regardless, experience can be an excellent teacher. When was the last time you took the time to pass your experience on to someone else?

There are always items that pile up in a facilities that are relatively easy to fix. In television, these items are often small black and white monitors or intercom headsets. Sometimes they

aren't repaired because there are plenty of spares. Although they may not be needed, these items can serve as excellent teaching tools. I have found one of the best ways to learn how something works is to fix it. Repairing a half dozen B&W monitors might take an experienced tech four to eight hours (often less). However, for a junior staff member or an intern, repairing one of these could easily turn into an all-day job.

None of us really has that kind of time to spare, but taking a day and sharing your knowledge on repairs such as these can be rewarding for you and

beneficial to your staff. Having multiple items that are similar and need repair allows a student to gain considerable experience in a short time and also improves his or her learning as he or she has the opportunity to immediately apply the knowledge.

Some might consider this a waste of time, as "*no one does component-level repair any more,*" but I would argue that we all still do it. It is just that the size of the components has changed— where we used to replace a resistor or a transistor, now we replace an entire board. The skills needed to narrow the

(continued on page 4)

CHAPTER 24 OFFICERS

CHAIR:

Jim Magee (Avid Technology Inc.)
W - 288-5152
jim_magee@avid.com

VICE CHAIR:

Dennis Baldrige
W - 489-3999
baldrige@characterlink.net

SECRETARY:

Tom Smith (WHA-TV)
W - 263-2174
smithtc@vilas.uwex.edu

TREASURER:

Leslie Franzen (WMTV-TV)
W - 274-1515
lfranzen@nbc15.com

Past-Chair

Vicki Kipp (ECB-TOC)
vkipp@ecb.org

COMMITTEE APPOINTEES

Program Committee:

Steve Paugh 277-5139
Fred Sperry 264-9806
Steve Zimmerman 274-1234

Membership:

Paul Stoffel
stoffel@vilas.uwex.edu

Sustaining Membership:

Fred Sperry W - 264-9806
fsperry@ecb.state.wi.us

Special Events:

Lonnie Cooks W - 264-9631
lcooks@ecb.state.wi.us

Certification and Education:

Jim Hermanson 836-8340
jhermanson@wisctv.com

Frequency Coordination:

Tom Smith W - 263-2174
smithtc@vilas.uwex.edu

National SBE Chapter Liaison:

Leonard Charles
W - 271-4321 FAX - 271-1709
lcharles@wisctv.com

April Business Meeting Minutes

Chapter 24 of the Society of Broadcast Engineers met on Tuesday, April 12, 2005 at WISC-TV in Madison, Wisconsin for the chapter's monthly meeting. There were 16 members in attendance, 8 of whom were certified and 3 guests.

The meeting was called to order at 7:02 PM by Chapter Chair Vicki Kipp. The minutes of the March meeting as published in the April newsletter were approved.

Treasurer Leslie Franzen submitted the annual Treasurer's audit as required by the Chapter by-laws. The current balance is in the black.

Newsletter Editor Mike Norton reported the deadline for the May newsletter is Friday, May 6th at midnight. The folding party is Wednesday, May 11th at 5:30 PM at WKOW-TV.

Sustaining Membership Chair Fred Sperry reported on the recent renewal of WPTV. The chapter has 23 total sustaining members.

Chapter Chair Kipp reported that Don Borchert has asked her to serve as the WBA/Chapter 24 representative to the National SBE Regional Convention Strategies Committee chaired by Vinny Lopez.

Chapter Chair Kipp announced the Chapter's National SBE Award Nominations. Nominated were:

- Best Chapter Frequency Coordination Effort, Tom Smith
- Best Chapter Newsletter, Mike Norton
- Best Chapter Website, Leonard Charles
- Best Regional Convention or Conference, 2004 WBA Broadcaster's Clinic
- Best Technical Article- "DTV Channel Repack and other R&O Highlights", Leonard Charles
- Best Technical Article- "Tower Site Monitoring Down to a Science", Vicki Kipp
- Best Technical Article- "Power Over Ethernet", Steve Paugh
- Best Technical Article- "Video at 78 RPM", Kevin Ruppert
- Best Technical Article- "Connecting with the Audience", Tom Smith
- Best Technical Article- "Planning for the Future", Tom Smith
- Best Technical Article- "Who's Watching Your Transmitter?", Tom Smith

Frequency Coordinator Tom Smith reported on Prior Coordination Notices (PCN) by WORT to move their STL down one channel, and WBUW-TV to realign their STL. Coordinator Smith is looking for ideas help make the PCN system work better. Comsearch has a couple of white papers on coordination on their website.

National Liaison Leonard Charles reported that the National

(continued on page 7)

AMATEUR RADIO NEWS

By Tom Weeden, WJ9H

- Acting on the premise that the amateur bands must flexibly and comfortably accommodate present and future operating modes and technologies over the long haul, the American Radio Relay League's Executive Committee has reached consensus on recommendations to the ARRL Board of Directors for a regulation-by-bandwidth proposal. Meeting April 9 in Denver, the panel adopted recommendations that will form the basis of a draft ARRL petition to the FCC seeking to govern the usage of amateur spectrum by emission bandwidth rather than by mode. The proposals remain only committee recommendations at this point. ARRL CEO David Sumner, K1ZZ, says a key principle underlying the League initiative is that the amateur community must shoulder the responsibility for resolving conflicts among potentially conflicting modes and not expect—or wait for—the FCC to impose its own solutions.

"We are in the early stages of a dramatic shift in amateur HF operating patterns, and it's impossible to predict where this shift may lead," Sumner said. "The FCC rules should not stand in the way of where technology takes us in our fulfillment of the bases and purposes of Amateur Radio." The initiative is aimed in part at encouraging new digital modes, but the primary emphasis is to avoid having to write a new rule every time a new mode bursts onto the scene. The proposals abandon the effort to have the FCC segregate digital and analog emissions by rule. As the ARRL's Executive Committee sees it, the FCC rules should simply set out band segments in which amateurs may employ bandwidths of up to 3 kHz, leaving any further subdivision up to the amateur band planning process. "Certainly there have to be mechanisms to minimize interference between analog and digital stations, since they cannot compatibly share the same frequency," Sumner explained. "However, using the FCC rules to subdivide the amateur HF bands is the wrong approach. The FCC rules are too static and too difficult to change."

- US Representative Michael Ross of Arkansas has introduced a resolution in the US House of Representatives calling on the FCC to "conduct a full and complete analysis" of radio interference from broadband over power line (BPL). The resolution, H. Res 230, says the Commission should comprehensively evaluate BPL's interference potential incorporating "extensive public review and comment," and—in light of that analysis—to "reconsider and review" its new BPL rules. The FCC adopted rules to govern so-called Access BPL last October 14.

The resolution's prime focus is on BPL's potential to disrupt critical public safety radiocommunication. It cites National Telecommunications and Information Administration (NTIA) studies that harmful interference to low-band VHF public safety radio receivers at distances of up to 460 meters. It also notes that the same NTIA study determined that BPL interference to aeronautical and airline travel communications "could be expected at distances up to 40 kilometers from the center of the broadband over power line system, and that interference to outer marker beacons for airline instrument landing systems could be expected at great distances as well." The resolution also sites comments that the FCC has struggled for years to resolve widespread harmful interference to the radiocommunications of first responders on 800 MHz and "should not have proceeded with introduction of a technology which appears to have substantial potential to cause destructive interference to police, fire, emergency medical services, and other public safety radio systems" without first conducting a comprehensive evaluation.

The non-binding resolution which was introduced April 21 has been referred to the House Committee on Energy and Commerce, on which Representative Ross serves. Ross is also an amateur radio operator, WD5DVR.

(Excerpts from the American Radio Relay League web site)

Thanks to WKOW-TV for providing copying and folding facilities for the Chapter 24 newsletter!
Thanks to WISC-TV for maintaining the web server for the Chapter 24 Web page!



8001 Terrace Avenue
Middleton, WI 53562
(608) 831-7330
Fax: (608) 831-6330
Order Line: (800) 356-5844
www.fullcompass.com

AUDIO VIDEO A/V LIGHTING



5727 Tokay Boulevard
Madison, Wisconsin 53719

WKOW
Madison

(608) 274-1234
Fax: (608) 274-9514



1355 ARMOUR BOULEVARD
MUNDELEIN, IL 60060-4401
(800) CABLE-IT • (847) 949-9944
FAX: (847) 949-9595
E-MAIL: SALES@CLARKWC.COM
WWW.CLARKWC.COM

Election Results

*Submitted by Steve Paugh,
Elections Chair*

The Chapter 24 election ballots were certified and counted on April 27, 2005. There are 68-voting members in Chapter 24. We received 14 ballots, 12 were certified as valid and 2 were invalid. Nine ballots were collected at the April 12th, 2005 chapter meeting and 3 ballots were received by mail prior to the ballot counting.

Congratulations to our newly elected officers.

Chairperson- Jim Magee
Vice Chair- Dennis Baldrige
Secretary- Tom Smith
Treasurer- Leslie Franzen

The nomination committee members were Steve Paugh, Jim Hermanson and Leonard Charles.

What are you doing with your knowledge? (continued from page 1)

problem down to the component are the same, regardless of its size. Taking the time to teach someone how to repair a headset gives him an opportunity to learn much more, including troubleshooting skills, soldering, and the use of test instruments. This also provides him with the satisfaction of a job well done and builds his self-confidence. Take the time to be a mentor for someone in the industry, more than likely you will be glad you did – and so will he.

Steve Epstein is the past chairman of SBE Chapter 59, Kansas City. (<http://www.broadcast.net/~sbe59/>)

AMBER ALERT STATEWIDE TEST

*By Gary Timm,
State EAS Chair*

The Wisconsin Amber Alert System will be tested at 9:10AM on May 23rd, 2005, the week of National Missing Children's Day. The actual CAE, Child Abduction Emergency Code, will be used for this test. Broadcasters and cable systems may either make note of the reception of this test and then abort it without re-broadcasting it, or they may elect to broadcast the test as a public awareness tool.

The audio portion of the test will state that it is a test. However, the visual "crawl message" will indicate that a Child Abduction Emergency exists. Therefore, TV stations and cable operations that carry the test should ensure that the visual background

behind the crawl message says, "This is a test". This will ensure that the hearing-impaired, or just someone with the TV sound turned down, will not mistake the test for an actual alert.

The Amber Alert EAS System will be tested (using the real CAE code!!) The www.amberalertwisconsin.org website will also be tested.

The Highway Message Signs will *not* be tested. Also, the fax and e-mail notification system will *not* be tested, due to cost savings.

Broadcasters: The General Manager of your station will be responding to WBA regarding this test. Please pass on any comments you have to your GM for forwarding to the Amber Alert Committee through WBA.

WBA/SBE Summer Engineering Workshop (continued from page 1)

JoAnne Blackburn - Public Affairs and Communications, Lakeland District, US Postal Service
Jeff Huntley - Emergency Manager, Lakeland District, US Postal Service

4:00pm Exhibit Reception

The registration fee has been held to the low price of \$35 for the day which includes lunch, reception, and the evening Dinner. The two day registration fee is \$50 which includes the second day of Management seminars. For more details, visit www.wi-broadcasters.org and click on *Events*.

2:15 - 3:00pm Media Security and Reliability Council (MSRC)
Dean Maytag - Director of Broadcast Operations, WISN TV, Milwaukee

3:00 - 4:00pm Reaction and Recovery, the Play by Play of a Real Life Incident
Ron Adair - Director of Engineering, KTNV TV, LasVegas

To pre-register, contact the WBA by May 27th at (608) 255.2600 or toll free at 800.236.1922. Registration is also possible at wi-broadcasters.org.

The *Chapter 24 Newsletter* is published monthly by SBE Chapter 24 Inc., Madison, WI. Could you be the next newsletter editor? Chapter 24 is seeking a volunteer to become the next editor of the award winning Chapter 24 newsletter. Good PC skills are important and experience with PageMaker for Windows a plus. Please contact the Chapter Chair for more information.



7847 BIG SKY DRIVE
 MADISON, WISCONSIN 53719
 (608)833-0047 • FAX(608)833-5055



John Salzwedel

3893 Terrace Circle, DeForest, Wisconsin 53532
 Office: (608) 238-7575 Fax: (608) 238-4955 Cell: (608) 235-9632
 Web Page: www.tokencreek.com E-Mail: tcp@tokencreek.com

Tom Sibenaller
 Sales Representative

ROSCOR
 Roscor Wisconsin
 W6428 Schilling Road
 Onalaska, WI 54650
 phone: 608-784-6702
 fax: 608-785-0505
 e-mail: tsibenaller@rosacor.com

SBE's Short Circuits – May 2005

By John L. Poray, CAE
SBE Executive Director

HOME STRETCH FOR SBE MEMBERSHIP DRIVE

The annual SBE Membership Drive will conclude on May 31, so there's still time to recruit one or more new members and become eligible for some really great prizes. The Grand Prize is a trip to the 2005 SBE National Meeting and Broadcast Engineering Expo (sponsored by Chapter 67) to be held in Dallas, TX, October 19-20. The prize includes a two night stay at the Hilton DFW Lakes Executive Conference Center, airfare for one and a Longley-Rice Coverage Map Poster. All recruiters will earn a \$5 discount towards their 2006 membership renewal for each new member recruited (up to five) during the Drive.

To be eligible for prizes, be sure your name is entered on the "Sponsor" line of your new recruit's member application. Applications must be received by the SBE National Office no later than May 31 to be eligible for prizes. The Prize Drawing will be held on Saturday, June 4, during the SBE Executive Committee meeting in Denver, Colorado.

TWO MEMBERS ELECTED FELLOWS OF SOCIETY

The Board of Directors of the Society of Broadcast Engineers has elected two members to the rank of Fellow. James "Andy" Butler, CPBE of PBS in Alexandria, Virginia and Clay Freinwald, CPBE of Entercom in Seattle, Washington were elected during the Board's regular spring meeting held during the NAB convention in Las Vegas.

Andy Butler is a past president of

the Society, having served in that position for two terms from 1999 through 2001. Prior to being elected President, he served on the Board beginning in 1995. Andy has been a member of chapters in St. Louis, New York, Baltimore, Springfield, IL and Washington, D.C. and was instrumental in the Society's first national conventions held in the mid -1980's. He has represented SBE with a number of industry groups.

Clay Freinwald, CPBE is currently in his sixth year as a member of the SBE Board of Directors and chairs the national SBE EAS Committee. He also serves on the FCC Liaison and Frequency Coordination committees and the Executive Committee. Clay has been a member of SBE since 1968, holding member #714. He has been an active leader in SBE Chapter 16 in Seattle for many years and is currently a member of that chapter's board.

Both men will formally receive their recognition as SBE Fellows during the SBE National Meeting this October in Grapevine, Texas.

LIFE-TIME ACHIEVEMENT AWARD HIGHLIGHTS SBE ACTIVITIES DURING NAB

Among the many SBE events and meetings held during the recent NAB convention in Las Vegas, the most memorable has to have been the spring membership meeting. With 200 members in attendance, Richard W. (Dick) Burden, CPBE of Canoga Park, Calif. was presented the Society's Life-Time Achievement Award.

Dick became SBE member #450 in 1966 and was an original member of SBE Chapter 1 in Binghamton, NY. Later, he would help organize Chapter

47 in Los Angeles. Dick received the award in recognition of his 55 years of significant contributions to the broadcast engineering industry. A detailed account of Dick's career will appear in the June issue of The SBE Signal.

The occasion marked only the seventh time in the Society's 41-year history that its Life-Time Achievement Award had been presented. The award was a surprise to Burden, who was even more surprised when his daughter from Oregon, Nanuet, greeted him as he walked to the podium to accept the award.

CHAPTER CHECKUP

Consider holding a joint meeting with another organization in your area. SMPTE, AES, ITIS, SCTE and other organizations have similar interests. Sharing a presentation also provides a more efficient forum for the program presenter.

SBE EXECUTIVE COMMITTEE TO MEET IN DENVER

The regular bi-annual meeting of the SBE Executive Committee will be Saturday, June 4 from 8:30 am to 4:00 pm at the Adam's Mark Hotel in Denver, Colorado. The Executive Committee meets in between the spring and fall meetings of the full Board of Directors and consists of the four officers, Immediate Past President and two additional members of the national Board appointed by the President.

SBE members wishing to attend the meeting are welcome. If you would like to attend, please contact Lanita Zehr at the National Office (317) 846-9000 or

(continued on page 7)



CPH Engineering, Inc.
Geotechnical & Environmental Engineering Solutions
"Right the First Time"
Christopher T. Malios, P.E.
Principal/Geotechnical Engineer

5130 Golden Leaf Trail
Madison, WI 53704
Phone: (608) 441-0605

Fax: (608) 242-8364
Cell: (608) 575-3973
E-mail: cmailto@cpheengineeringinc.com

SCHARCH ELECTRONICS COMPANY
AVAyA * Lucent Technologies * AT&T
Business Communications Service since 1983

1105 Middleton St., Madison, WI 53717
Tel: 608 831-2266 or 800 831-2266
www.scharch.net

Stan Scharch
stan@scharch.net



WISCONSIN PUBLIC TELEVISION

821 University Ave. Phone 608.263.2121
Madison WI 53706 Fax 608.263.9763
www.wpt.org

 **FCC Rulemakings**

Compiled by Tom Smith

PROPOSED RULEMAKINGS

**ET Docket No. 05-185
Technical Standards for
Determining Eligibility For
Satellite-Delivered Network
Programs to the Satellite Home
Viewer Extension and
Reauthorization Act**

This notice concerns setting standards for determining when a viewer is receiving an unusable digital TV signal from a local TV station. This primarily applies when seeking a waiver to receive network service from a retransmitted distant station via satellite.

The FCC is considering six issues in this notice. The first is how to account for the effectiveness of the antenna with consideration for roof mounted and indoor antennas, and if they are fixed or capable of being rotated. Should the FCC's antenna standard that they used in evaluating DTV service areas be used or should a lesser standard be used that reflects typical antenna installations? The second question is, should the signal strength procedures be changed? Currently in analog, the visual carrier level is measured. DTV has no defined carrier, which may force another method to be used. Third, should the signal strength value take in account the effect of the typical antenna installation for either indoor or outdoor reception? Issue number four is, should a predictive method be used to determine if a household is underserved? That method would use a modified Longley-Rice model for predicting service. Question number five asks if variations in receiver design and quality should be considered. Do DTV receivers vary greater depending

on cost or if they are in a TV, DBS box, or as a stand-alone device. How does sensitivity, selectivity, automatic RF gain and dynamic range, shielding, and signal processing cause differences in DTV receivers? The last issue is interference, both natural and man-made. Interference can be for other electrical devices, co-channel and adjacent channel interference from other DTV or analog stations, or signal barriers such as buildings, trees, hills, etc. Besides noise and signal attenuation, information on the effects of multi-path is requested.

This notice was adopted on April 29th and released on May 2nd. Comments are due 30 days after publication in the FEDERAL REGISTER with replies due 15 days later.

**MB Docket No. 05-181
Implementation of Section 210 of
the Satellite Home Viewer
Extension and Reauthorization Act
of 2004 to Amend Section 338 of
the Communications Act**

The FCC is seeking comment on new rules concerning the carriage of local TV signals on direct broadcast satellites. Congress enacted the Satellite Home Viewer Extension and Authorization Act of 2004 (SHVERA) on December 8, 2004 as part of the Consolidated Appropriations Act, 2005. The FCC has launched a number of inquiries concerning carriage of local TV stations on DBS. On March 7, 2005, the FCC released a Notice of Proposed Rulemaking on the bargaining obligations between stations and DBS carriers for carriage of local broadcast signals. On March 30th, the FCC released an inquiry on Procedural Rules. Earlier this year, there were

inquiries concerning the affect of SHVERA of the television marketplace and on "Significantly Viewed Signals Permitted to Be Carried."

In this notice, comment is asked for concerning the requirement the DBS providers with more than 5 million subscribers would be required to carry all local TV stations. They will be required to carry all analog signals after December 8, 2005 and all digital signals after June 8, 2007 in the non-contiguous parts of the United States. In the lower 48 states, they are now required to carry all analog stations. Other questions discussed in this notice include defining the term non-contiguous states. Does this term mean Alaska and Hawaii only or the US territories such as Guam, the Virgin Islands, and Puerto Rico? Are DBS providers required to carry multicast and Hi-def signals from a stations digital transmitter signals. Another question concerns the election deadlines on how a station seeks to be carried. A station could negotiate for either Retransmission Consent with the station requiring some kind of terms for carriage, or must carry where the DBS carrier must carry the station.

There are two questions in this notice that pertain to Alaska only. One is signal availability. The FCC asks if the DBS carrier should be required to cover the whole state, which is near impossible due to the low angle that the dishes are required to use when pointing at the satellites. The second issue is the requirement of the act to provide to most of the state outside of the three local markets, the signals from one of the markets. The FCC seeks comment on their conclusion that the act does provide such a requirement.

This notice was adopted on April 29th and released on May 2nd.

From FCC Notices (www.fcc.gov).



April Business Meeting Minutes (continued from page 2)

office is very busy getting ready for NAB. Anyone going to NAB is invited to drop by the booth. A listing of the SBE NAB meetings is available on the National website. The membership drive is in full swing with a grand prize of a full expense paid trip for one to the national meeting in October.

Program Committee Chair Steve Paugh reported the next chapter meeting will be Thursday, May 19th and will be a tour of Token Creek's new production truck. The Chapter's summer picnic will be Tuesday, June 21st. The July meeting will be Wednesday, July 20th at General Communications and the topic will be Mobile Commercial and Public Safety Radio.

Ballots were collected for election of Chapter officers.

Leonard Charles reported that the WBA's summer workshop is being held in Green Lake on June 15th. The theme is Disaster Preparedness and Recovery. The cost for the day is \$35.

The meeting adjourned at 7:17 PM. The evening's program was a presentation by Chris Mallon of CPH Engineering on non-destructive techniques for measuring guy anchor rod corrosion.

Submitted by Jim Magee, Secretary

SBE's Short Circuits (continued from page 5)

lzehr@sbe.org) by June 1 so we can plan for adequate seating.

AM DIRECTIONAL ANTENNA SPECIALTY CERTIFICATION NOW AVAILABLE

The SBE has introduced its first Specialist Certification, covering the maintenance of AM directional antennas. Requirements for earning the designation of AM Directional Antenna Specialist include passing an exam and be currently SBE certified at the Broadcast Engineer level or higher.

To register for any SBE certification exam, contact Linda Baun at the SBE National Office at (317) 846-9000 or your local chapter certification chairman.

REGISTER FOR SBE LEADER SKILLS SEMINAR BY MAY 31.

SBE has scheduled Course I of the SBE Leader Skills Seminar for June 7-9, 2005 in Indianapolis. The SBE Leader Skills Seminar provides management and people skills training for broadcast engineers and technicians. Dick Cupka will be our seminar instructor. The registration deadline is May 30, so register now to reserve your seat. Contact Angel Bates at the SBE office for more information abates@sbe.org or (317) 846-9000 or visit the SBE web site, www.sbe.org.

CHAPTER 24 SUSTAINING MEMBERS

WELCOME TO OUR NEW SUSTAINING MEMBER:
Belden CDT-Electronics Division

RECENT RENEWALS:
Alpha Video
Roscor Wisconsin

THANKS TO ALL OUR SUSTAINING MEMBERS:
Belden CDT-Networking Division
Broadcast Richardson
CPH Engineering Inc
CTI
Clark Wire and Cable
Full Compass Systems
Harris Corporation
Heartland Video Systems
maney-logic
Norlight Telecommunications
Scharch Electronics
Sony Broadcast
Sound Devices, LLC
Swiderski Electronics
Token Creek Productions
WISC-TV 3
WKOW-TV 27
WMSN-TV 47
WMTV-TV 15
Wave Communications
Wisconsin Public TV

SONY Sean O'Reilly
Broadcast Account Manager

Sony Broadcast & Production Systems
1200 North Arlington Heights Road MD-11
Itasca, Illinois 60143
Telephone (630) 773-7640
Fax (630) 773-6124
Mobile (630) 697-5458
E-mail sean.o'reilly@am.sony.com

Product Operations Support (800) 883-6817
Emergency Tech. Support (408) 435-8910
Parts Orders (800) 538-7550

SOUND DEVICES

www.sounddevices.com

Portable Audio Products for
Radio, Television, Film, and Music Production

Sound Devices, LLC
300 Wengel Drive
Reedsburg, WI 53959 USA
(608) 524-0625

CTI <http://www.CTIinfo.com>
email - cti@CTIinfo.com
Phone - 608-831-4636
Fax - 608-836-1840

VCR Controllers
Character Generators
Satellite Antenna Controllers
Broadcast / Cable Television Consulting

Belden CDT **BELDEN**Cable

David Geon
Sales Representative

Belden CDT Inc.
Electronics Division
P.O. Box 26662
Wauwatosa, WI 53226-0662
www.belden.com

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

JESSE MIX
CBT
ACCOUNT EXECUTIVE-SATELLITE & VIDEO SERVICES
EMPLOYEE-OWNER SINCE 1997

jam@norlight.com

NORLIGHT TELECOMMUNICATIONS
3617 OAKTON ST., SKOKIE, IL 60076
847-568-7195 888-255-8755
FAX/847-674-7485 PAGER/708-988-1934

alpha video

John Reuter
Sales Engineer
johnr@alphavideo.com

7711 Computer Ave.
Edina, MN 55435-5494

dir 952.841.3354
p 952.896.9898
f 952.896.9899
c 612.889.6540



**SBE
NATIONAL**



**Society of Broadcast
Engineers, Inc.**
9247 North Meridian St.
Suite 305
Indianapolis, IN 46260



Office (317) 846-9000
Fax (317) 846-9120



<http://www.sbe.org>


HARRIS CORPORATION



Broadcast
Communications Division
1913 Fairoak Road
Naperville, IL USA 60565

TOM HARLE
District Sales Manager--Radio

phone 1-630-420-8899
cell phone 1-630-235-8126
fax 1-630-420-9171
tharle@harris.com
www.harris.com



Networking


Don Heinzen
Datacom Manager

Belden CDT Inc.
Networking Division (WORDX)
2020 Lincoln Road
Monroe, WI 53566
www.BeldenBDN.com

Telephone: (608) 329-4660
Facsimile: (608) 329-4667
Cell Phone: (608) 235-7539
don.heinzen@belden.com



**615 Forward Drive
Madison, WI 53711
608-274-1515
www.nbc15.com**



uController based
custom controllers
money-logic



Christine Chinchilla
Broadcast Sales Specialist

40W267 Kesling Road
PO Box 393
LaFox, IL 60147-0393
USA

Phone: (800) 882-3872
Ext. 2738
Fax: (630) 208-2662
E-Mail: chrisc@rell.com

www.broadcast-richardson.com




Mark Bartolotta
Regional Sales Manager

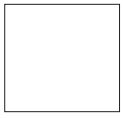
Heartland Video Systems, Inc.
1311 Pilgrim Road
Plymouth, WI 53073
Tel 800.332.7088
920.893.4204

Direct: 920.893.9594 ext 13
Cell: 920.912.1064
Fax: 920.893.3106
EMAIL: mbart@hvs-inc.com

DIGITAL SOLUTIONS
Broadcast/Professional



SBE Chapter 24 Newsletter
P.O. Box 46291
Madison, WI 53744-6291

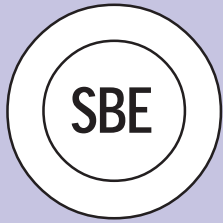


FIRST CLASS MAIL

Newsletter edited on Pagemaker 7.0 by: **Mike Norton**
Contributors this month: **Leonard Charles, Steve Epstein, Jim Magee, Steve Paugh,**
Tom Smith, Gary Timm, and Tom Weeden.
Thanks to **Leonard Charles** for his work on the Chapter 24 WWW page.

© 2005 by SBE Chapter 24, Inc. Views expressed herein do not necessarily reflect the official positions of the Society, its officers, or its members. SBE Chapter 24, Inc. regrets, but is not liable for, any omissions or errors. The Chapter 24 Newsletter is published twelve times per year. Other SBE Chapters are permitted to use excerpts if attributed to the original author, sources, and SBE Chapter 24.

MAY MEETING and PROGRAM



Society of Broadcast Engineers CHAPTER 24 MADISON, WISCONSIN Thursday, May 19, 2005

Token Creek Truck Tour

John Salzwedel of Token Creek Mobil Television will give us a tour of his newest remote broadcast truck, *Hiawatha*. The 53-foot truck has a digital infrastructure and will support the origination of High Definition video. We will also have the opportunity to see the new home of Token Creek Mobile Television.

Token Creek Mobile Television is located on Acker Road, north of the Dane County Airport. Acker Road runs east/west between CV and HWY 51. Token Creek Mobil Television is on the south side of Acker Road, near the junction with HWY 51. It is in a blue building with a white roof. There is a chain link fence around the entire shared complex.

There is no easy to get to restaurant near the venue, although there are several truck stop type restaurants just off the Interstate 94/ HWY 51 interchange.

Dutch Treat Dinner 5:30 PM
No recommendation
Make your own plans

Meeting and Program at 7:00PM
Token Creek Mobile Television
4275 Acker Road
Madison, WI

Visitors and guests are welcome at all of our SBE meetings!

2005 UPCOMING MEETING/PROGRAM DATES:

| <u>Day</u> | <u>Date</u> | <u>Program</u> |
|------------|-----------------|--------------------------------------|
| Tuesday | June 21, 2005 | Summer Picnic |
| Wednesday | July 20, 2005 | Commercial and Public Radio Overview |
| Thursday | August 18, 2005 | T. B. D. |

Program Committee:

Steve Paugh
277-5139

Fred Sperry
264-9806

Steve Zimmerman
274-1234