



## Next Meeting:

**Tuesday,  
May 21, 2002**

**Elections &  
Lightning Protection**

**Pizza & Soda  
provided  
at 6:00 PM**

**at Wisconsin Public  
Broadcasting Center  
3319 W. Beltline Hwy**

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

## 14 STATIONS MAKE DTV DEADLINE

*By Tom Smith*

Fourteen of the 36 commercial stations in Wisconsin had their digital transmitters on the air by the FCC mandated May 1st deadline. Also, two of the eight public TV stations had their DTV transmitters on the air. There are now 391 stations transmitting digital television as of May 3rd, according to the NAB website.

The Wisconsin stations broadcasting DTV, listed by market areas, are as follows, with analog and then DTV channels listed:

### **Milwaukee**

WDJT ..... 58 ... 46  
WITI ..... 6 ... 33  
WMVS .... 10 ..... 8 (public station)  
WTMJ ..... 4 ... 28

### **Green Bay**

WACY .... 32 ... 59  
WBAY ..... 2 ... 23  
WFRV ..... 5 ... 56  
WGBA .... 26 ... 41

### **Madison**

WHA ..... 21 ... 20 (public station)  
WISC ..... 3 ... 50  
WKOW ... 27 ... 26  
WMTV .... 15 ... 19

### **LaCrosse-Eau Claire**

WEAU .... 13 ... 39

### **Wausau**

WTPX ..... 46 ... 46

WTPX received their analog allocation after the DTV allocations were made and had the option of going on the air as a digital station instead of analog.

Non-commercial television stations have an additional year to have a DTV signal on the air, with a deadline of May 1, 2003.

Those stations that did not receive extensions, and failed to meet the DTV deadline may face fines.

*From NAB website (www.nab.org)*

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## A WINDY SPECIAL EVENT

*By Lonnie Cooks*

Southwest Wisconsin is home to the Montfort Wind Farm, which consists of 20 wind turbines that provide 30 megawatts of electrical capacity. The site was developed by FPL Energy, which has wind farms in Iowa, Texas, Minnesota, Wisconsin, Oregon, and California.

Power generated by the facility is sold to Wisconsin Electric and Alliant Energy. It is estimated that the wind farm generates enough electricity to power an average of 6000 Wisconsin homes each year.

The Montfort Wind Farm will offer tours and an open house on Saturday, May 18, 2002, from 10:00am to 2:00pm. The open house will be held in the Cobb Community Center. The tours are in Iowa County, along U.S. Hwy. 18, between the villages of Cobb and Montfort, about 50 miles southwest of Madison (about an hour and half drive). Each wind turbine is mounted on a 207 foot tubular steel tower with a rotor diameter of over 230 feet. It should be quite a sight to see!

A group from Chapter 24 will be carpooling to the event to learn about the system, how wind generation

works, and how it benefits the environment. The group will depart from the Wisconsin Public Broadcasting Center parking lot at 9:00am on Saturday the 18th.

If you are interested in going, please contact Lonnie Cooks at [cooks@ecb.state.wi.us](mailto:cooks@ecb.state.wi.us) or call 264-9721 by Wednesday, May 15th.

Please indicate if you would consider driving, and how many people your vehicle can comfortably seat. If there is enough interest, we may get a large van so interested member can travel together.

## CHAPTER 24 OFFICERS

### CHAIR:

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

### VICE CHAIR:

Vicki Kipp (ECB-TOC)  
W - 264-9631  
vkipp@ecb.state.wi.us

### SECRETARY:

Tom Weeden (WMTV-TV)  
W - 274-1515  
tcweeden@nbc15.com

### TREASURER:

Stan Scharch (WISC-TV)  
W - 271-4321  
sscharch@wisctv.com

### Past-Chair:

Kevin Ruppert (WISC-TV)  
kruppert@wisctv.com

## COMMITTEE APPOINTEES

### Program Committee:

Denise Maney	277-8001
Steve Paugh	277-5139
Fred Sperry	264-9806
Steve Zimmerman	274-1234

### Membership:

Paul Stoffel  
stoffel@vilas.uwex.edu

### Sustaining Membership:

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### Special Events:

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lcooks@ecb.state.wi.us

### Certification and Education:

Jim Hermanson 836-8340  
jmh@execpc.com  
Tim Trendt (UW-Platteville)

### 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 Thursday, April 18, 2002 at the Dry Bean Saloon in Fitchburg, Wisconsin for the chapter's monthly meeting. There were 22 members in attendance, 15 of whom were certified, and one guest.

The meeting was called to order at 7:17 PM by chairman Tom Smith. The March meeting minutes as published in the newsletter were approved. Treasurer Stan Scharch reported that the chapter's bank balance was in the black.

Denise Maney from the Program Committee reported that the May meeting would be held at Wisconsin Public Television's TOC, and the scheduled program would be given by lightning experts from Milwaukee.

Newsletter editor Mike Norton announced the deadline for articles for the May issue will be due at midnight, Friday, May 3rd. The folding party will be held Wednesday, May 8th at 5:30 PM at WKOW-TV. Sustaining membership chair Fred Sperry was absent.

National Liaison Leonard Charles reported that the fifth edition of the SBE TV Operator Handbook is now available. The membership drive is going through May 31st. Nominations for the SBE National awards are open. The audio of the EAS meeting held at the NAB convention was archived by Broadcast.net and was available for streaming. Membership chair Paul Stoffel was absent.

Steve Paugh from the DTV Web Site Committee reported that Jay Mielke has page examples available for inspection and comment. The site is <[www.widigital.tv/wi-digital-1.html](http://www.widigital.tv/wi-digital-1.html)>.

Frequency Coordinator Tom Smith reported that channel 52 at Mayville is looking for a 7 GHz frequency. Channel 68 is on the air from near Fond du Lac and holds a construction permit for a location south of Mayville. Users of Sony wireless mics on channel 68 in Madison shouldn't be affected.

In old business, Steve Paugh of the Election Committee announced nominations of officers: Vicki Kipp for Vice Chair, Stan Scharch for Treasurer, Tom Weeden and Jim McGee for Secretary, and Tom Smith for Chair. Elections will be held at the May meeting.

Special Events Coordinator Lonnie Cooks reported he was working on a tour of the windmill farm near Montfort. The company will be releasing dates available for tours in the near future.

Kevin Ruppert reported that the WBA Summer Engineering Conference on June 19th in Sturgeon Bay will give SBE a free booth if the chapter provides volunteers. Contact Lonnie or Kevin if interested.

Leonard Charles reported that the WBA conference will have engineering sessions on XM Satellite Radio and IBOC radio, EAS with Gary Timm, AES audio troubleshooting, Rich Wood of Resonant Results on network analyzers, digital audio processing, and "next

(continued on next page)

## Meeting Minutes (continued)

level transmission" from Harris/Intraplex. Registration fee is \$40. Register by calling WBA at 255-2600.

Certification chair Jim Hermanson was absent. Leonard Charles reported that certification exams will be held June 8-18, with April 27th as the application deadline. Future exam dates will be August 17-27 and November 9-19.

In new business, Leonard Charles announced the dates for the 2002 Broadcasters Clinic as October 15-17, and that they are looking for suggestions for topics to be covered. The program committee is looking for new blood. Interested persons can contact Charles or Don Borchert.

Tom Smith is looking for ideas for the SBE meeting to be held on the Wednesday night of the Broadcasters Clinic. Tom received an e-mail message from Iowa Public Television asking for promotion of their fall conference. Tom suggested newsletter inserts promoting area conferences. Leonard Charles suggested also adding that information to the chapter's web site, and to give the Broadcasters Clinic a web presence on the SBE web site.

Tom Smith reported that the program at a recent Western Wisconsin SBE meeting was given by Winegard, and suggested that we watch other chapters for program ideas.

Mark Croom reported that an FCC inspector from the Chicago field office visited WNWV on April 16th. WHA(AM) was also reportedly visited but used their recent WBA "mock FCC inspection" certification to avoid an official inspection.

In professional announcements, John Salzwedel announced that Token Creek Productions is now known as Token Creek Mobile Television, Inc.

The meeting adjourned at 7:55 PM.

This month's program was a roundtable discussion of NAB convention observations.

Submitted by Tom Weeden, Secretary

## AMATEUR RADIO NEWS

By Tom Weeden, WJ9H

- South African Mark Shuttleworth, who paid \$20 million to have the time of his life in space and conduct a little research recently completed four "Amateur Radio on the International Space Station" (ARISS) school contacts. On April 29 Shuttleworth spoke with students at Bishops College—his alma mater—marking the first ARISS contact with a school in Africa. He also thrilled several US amateurs by showing up unannounced on 2 meters during a North American pass May 1.

A native of South Africa, Shuttleworth now lives in London. He and his two crewmates, Russian cosmonaut and ISS veteran Yuri Gidzenko and European Space Agency astronaut Roberto Vittori, IZ6ERU, blasted off April 25 from Russia's Baikonur Cosmodrome aboard a Soyuz "taxi mission."

- American Radio Relay League officials took advantage of the National Association of Broadcasters convention to promote amateur radio among members of the broadcasting community—many of them already amateur licensees themselves. ARRL President Jim Haynie, W5JBP, this year became the first League president to attend the annual NAB gathering since it's been held in Las Vegas.

Haynie also greeted those attending the popular NAB amateur radio reception which drew an estimated 600 to 800 amateurs. He briefly mentioned ARRL's Amateur Radio Education & Technology Program ("The Big Project") and said he hoped to be back again next year to promote it at the NAB gathering.

- The FCC can't seem to make up its mind about whether or not it wants to know the date of birth of an Amateur Service applicant. Supplying a date of birth used to be a requirement on amateur applications, and the FCC made the information public as part of a licensee's record. But a few years ago, the FCC dropped the requirement and hid the database field that once displayed birth date information.

Last year, the FCC flip-flopped and announced it was revising FCC Form 605 to include a date of birth field and would again require the information—although it would not be made public. Now, the FCC has changed its mind once more. Missing from the latest version of Form 605 is the requirement for Amateur Service applicants to supply a date of birth, although they may do so if they wish (it is a requirement for certain other wireless service applicants).

The latest version of FCC Form 605 (dated April 2002) is available on the FCC Web site.

(Excerpts from "The ARRL Letter" and the [www.arrl.org](http://www.arrl.org) web site)



## AM IBOC ENDORSED FOR DAYTIME USE

By Mike Norton

The National Radio Systems Committee (NRSC) announced during NAB 2002 that it has endorsed the In-Band On-Channel (IBOC) technology for AM radio, developed by iBiquity Digital. The NRSC has recommended to the FCC that the IBOC system be authorized as an enhancement to the existing AM system, limiting the system for use during daylight hours. Additional testing is needed before the NRSC can further comment on the nighttime performance and compatibility of AM IBOC. An FM IBOC system, also developed by iBiquity, was endorsed by the NRSC in November of 2001.

The AM IBOC system is designed to improve perceived quality, by perceptually coding the audio information as digital data in the existing AM channel. Six digitally modulated carrier signals are placed within and adjacent to the existing analog AM signal. The total power of the digital carriers is approximately 12 dB below that of the analog signal. The AM IBOC system uses orthogonal frequency division multiplexing (OFDM) modulation to carry a digital audio bit rate of 36 kbps. The resulting quality delivered by this system will represent a significant improvement over current analog AM, and is claimed to offer near FM-quality stereo with approximately 15 kHz audio. A portion of the data can also be used for transmitting data services.

A significant concern in the current AM broadcast band is existing interference. By adding digital sidebands to analog AM carriers, interference may be generated for co-channel and adjacent channel stations. This needs to be balanced with the interference improvements that the IBOC system can provide. The variability of skywave propagation conditions will make the testing procedures complicated to gather significant test data.

The NRSC is jointly sponsored by the Consumer Electronics Association (CEA) and the NAB, and serves as an industry-wide standards-setting body for technical aspects of terrestrial over-the-air radio broadcasting systems in the United States. The complete NRSC evaluation report of the iBiquity AM IBOC system is available on the NAB website at <http://www.nab.org/SciTech/nrsc.asp>.

The Federal Communications Commission is seeking comment on the NRSC report, conclusions, and recommendations concerning the proposed AM IBOC hybrid digital audio broadcasting system. Interested parties may file comments on or before June 18, 2002 by using the FCC's Electronic Comment Filing System at [www.fcc.gov/e-file/ccfs.html](http://www.fcc.gov/e-file/ccfs.html).

*(Information for this article came from the following sources: epulse.org, nab.org, iBiquity.com, rwnline.com, and fcc.gov)*

### CAST YOUR BALLOT FOR OFFICERS

Enclosed in the newsletter this month is the official ballot for voting for Chapter 24 officers. You may turn in your ballot in person during the SBE meeting May 21st. If you are

unable to attend, mail your ballot before Friday, May 31st to: Steve Paugh, c/o WISC-TV, Election Ballot, 7025 Raymond Rd, Madison, WI 53719-5053.

## UPCOMING ENGINEERING EVENTS

There are a number of engineering-related conferences on the horizon which offer educational opportunities for broadcast engineers. Check your calendar, find out more about the scheduled sessions by visiting the listed web sites, and then plan on attending!

### 2002 WBA/SBE Summer Engineering Conference

**Date:** June 19<sup>th</sup>, 2002  
**Location:** Stone Harbor Resort, Sturgeon Bay, WI  
**Contact:** Wisconsin Broadcasters Association  
 608-255-2600.  
[www.wi-broadcasters.org](http://www.wi-broadcasters.org)  
[www.sbe24.org/summer.html](http://www.sbe24.org/summer.html)

### 2002 WBA/SBE Broadcaster's Clinic

**Date:** October 15<sup>th</sup>, 16<sup>th</sup>, and 17<sup>th</sup>  
**Location:** Marriott Madison West, Middleton, WI  
**Contact:** Wisconsin Broadcaster's Association  
 608-255-2600.  
[www.wi-broadcasters.org](http://www.wi-broadcasters.org)  
 or Don Borchert 608-837-3462

### Iowa DTV Symposium

**Date:** November 5, 6, 7, 2002  
**Location:** University Park Holiday Inn - Des Moines, IA  
**Contact:** Karen Schaeffer  
[karen.schaeffer@iptv.org](mailto:karen.schaeffer@iptv.org)  
 (515) 242-4139  
**Registration:** Admission is free  
 Register online at [www.iowadtv.iptv.org](http://www.iowadtv.iptv.org).

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**Graybar**

## SBE Short Circuits – May 2002

By John L. Poray, CAE  
SBE Executive Director

### PHOENIX TO HOST SBE NATIONAL MEETING

SBE Chapter 9 in Phoenix, Arizona, in cooperation with the Arizona Broadcasters Association, will host the SBE National Meeting as a part of it's SBE regional convention. The National Meeting will begin on Wednesday, October 16 with the fall Board of Directors Meeting. On Thursday, National Meeting events will include the annual Fellows Breakfast, Annual Membership Meeting and the Annual SBE National Awards Dinner. Thursday will also be the day of the Regional Convention, with a broadcast equipment tradeshow and educational sessions. Most events will take place at the Phoenix Civic Plaza, in the heart of downtown. Watch for more information about the SBE National Meeting and Arizona Regional Convention in the coming months.

### MEMBERSHIP DRIVE ENTERS FINAL MONTH

The SBE Membership Drive is in its final month, ending on May 31. There's still time for you to participate and win a great prize. The Grand Prize is a trip for one to the SBE National Meeting in Phoenix, Arizona, October 16-18, 2002 AND a Panasonic TV, compliments of SBE and Panasonic! 1st prize is an entertainment package that consists of an RCA 27" Stereo Monitor-Receiver TV, compliments of Thomson Multimedia Broadcast & Network Solutions, a DVD Player, compliments of Acrodyne and a Freeplay, Freepower Radio, compliments of Broadcast Richardson. Other great prizes will be awarded and all recruiters will receive \$5 off their 2002 SBE membership renewal for each new member they

recruit, up to \$25. Full details on the Membership Drive were mailed to each SBE member in February. For more information, contact Angel Bates at abates@sbe.org or (317) 846-9000.

### NOMINATION OPEN FOR SBE FELLOW

Nominations for SBE Fellow are now being accepted by the Fellowship Committee. To be elected a Fellow of the Society, a member must have rendered conspicuous service or be recognized as having made valuable contributions to the advancement of broadcast engineering or its allied professions. A nomination for Fellow must be in writing, include a biography or the candidate and be endorsed by five voting members in good standing. The Fellowship Committee makes recommendations to the Board of Directors, which votes on the nominees. Send your nominations to: Sandy Sandberg, CPBE, Chairman, SBE Fellowship Committee, 9807 Edgecove Drive, Dallas, TX, 75238 - 1535. For more information, contact Sandy at sandytex@swbell.net.

### A FEW SEATS LEFT FOR BROADCAST ENGINEER MANAGEMENT TRAINING

There are just a few seats left for the upcoming Leader Skills Seminar (Course 1) in Indianapolis. SBE, in conjunction with leader skills trainer, Dick Cupka, has been providing opportunities for broadcast engineers to receive training in management skills since 1997. SBE has scheduled the two-part Leader Skills Seminar for June and August 2002. Course I will be held June 5-7 and Course II, August 7-9. Both courses will be held in Indianapolis at the Marten House Hotel and Conference Center. Dick Cupka has instructed

management training and leadership skills specifically designed for broadcast engineers for more than 30 years. More than 1,000 broadcast engineers have participated in his Leader Skills seminars sponsored by SBE and previously, by NAB. To register or for more information, call Angel Bates at the SBE National Office at (317) 846-9000 or e-mail Angel at abates@sbe.org. The seminar fee for each course is \$475.

### 5th EDITION OF TV OPERATORS HANDBOOK, CERTIFICATION PRACTICE TESTS NOW AVAILABLE

The new 5th edition of the SBE TV Operator Handbook, by Frederick Baumgartner and Douglas Garlinger, is now available from the SBE National Office. Also, updated SBE Practice Test computer discs, used to prepare for the SBE Certification Exams are now available. To order either item, call the SBE National Office at (317) 846-9000 or e-mail Linda Godby at lgodby@sbe.org.

### SBE NATIONAL AWARDS NOMINATIONS OPEN

The SBE Awards Committee is accepting nominations for the 2001 SBE National Awards through May 31. The Committee is chaired by Board member, Mark Humphrey, CPBE of WPLY-FM/Radio One in Philadelphia. The SBE National Awards recognize achievement by both individual members and chapters. A nomination form was included in the March issue of the SBE SIGNAL. You may also request a form from Angel Bates at the SBE National Office by calling (317) 846-9000 or by e-mail at abates@sbe.org. Winners will receive their awards at the SBE National Awards Dinner in Phoenix on October 17.

Tom Sibenthaler  
Sales Representative

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WISC-TV  
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MADISON

5

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**Bill Edwards**  
District Sales Manager  
Advanced Digital Video Systems Division  
Central Region

 **FCC Rulemakings**

Compiled by Tom Smith

**FINAL RULEMAKINGS**

**ET Docket No. 98-142; FCC 02-23  
Mobile-Satellite Service  
above 1 GHz**

The FCC has allocated the bands 5091-5250 MHz and 15.43-15.63 GHz for Earth to Space uplinks, and 6700-7025 MHz for space to Earth downlinks for use in commercial Non-Geostationary Satellite Orbit Mobile-Satellite Service. The FCC had previously allocated the 7025-7075 MHz band for use by three satellite gateways.

Broadcasters currently use the spectrum from 6875-7125 MHz for remote television pickup and STLs. The new rules will require broadcasters to coordinate the band from 6875-7025 MHz under part 101 of the rules, which require the use of a commercial coordination firm such as Comsearch. The FCC will not be adding any more gateway stations to the 7025-7075 MHz band and will designate the band for remote pickup channels that can freely be used anywhere in the US. The FCC is also recommending that the channel of 7075-7100 be use for airborne TV pick-up and whenever possible 7100-7125 MHz also be used for Airborne TV pick-up, whenever possible.

The 5091-5250 MHz and the 15.43-15.63 GHz band are currently allocated for aeronautical radionavigation band, with the 5091-5250 MHz band used for landing guidance systems. Coordination with the Federal government is required for mobile-satellite service in these bands.

Published in the FEDERAL REGISTER on April 10, 2002 on Pages 17,288-17,300.

**WT Docket No. 00-32; FCC 02-47  
The 4.9 GHz Band Transferred From  
Federal Government Use**

The FCC has allocated 50 megahertz of spectrum in the 4940-4990 MHz band for fixed and mobile service for support of public safety for use by new broadband applications.

Aeronautical mobile service will not be allowed in this band, but most use of this band will be for video transmission.

Published in the FEDERAL REGISTER on April 9, 2002 on pages 17,009-17,013.

**ET Docket No. 98-206; RM-9147;  
RM-9245  
Amendment of Parts 2 and 25 of  
the Commission's Rules to Permit  
Operation of NGSO FSS Systems  
with GSO and Terrestrial Systems  
in the KU-Band Frequency Range**

The FCC has amended its rule to allow for the operation of a terrestrial based Multichannel Video Distribution and Data Service (MVDDS) in the same band as the 12 GHz direct broadcast satellite service on a co-primary basis as long as the MVDDS system does not cause interference to the DBS Band.

In this action, the FCC ruled that the parties that proposed the service would be required to bid at auction for the spectrum. The ruling adopted power limits, permitted one-way operation, provided for DBS systems to request changes in the terrestrial systems power levels, required Private Operational Fixed Service licenses

(POFS) to protect both DBS and MVDDS and prohibited new POFS stations and prohibited cable providers from owning MVDDS systems in areas where the own cable systems.

This action was adopted on April 11, 2002.

From the FEDERAL REGISTER ([www.access.gpo.gov](http://www.access.gpo.gov)) and FCC releases ([www.fcc.gov](http://www.fcc.gov))

**Canadian Supreme Court Upholds  
Satellite TV Decoding Law**

Canada's Supreme Court has upheld a provision of that country's Radiocommunication Act that forbids the unauthorized decoding of encrypted satellite TV programming.

The office of the Attorney General of Canada argued that Canadian customers who use false permanent U.S. addresses to subscribe to U.S. satellite TV services are violating the act.

A Canadian dealer operating in this "gray market" provides equipment for customers to receive and decode U.S. programming, and makes the payment on behalf of these customers through a U.S. post office box. U.S. satellite TV providers have agreed not to knowingly provide service to anyone in Canada because Canadian law prohibits them from broadcasting in Canada.

(From [www.telecomweb.com](http://www.telecomweb.com))

Thanks to WISC-TV for maintaining the web server for the Chapter 24 Web page!

Thanks to WKOW-TV for providing copying and folding facilities for the Chapter 24 newsletter!

  
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Sales Representative [don.heinzen@belden.com](mailto:don.heinzen@belden.com)



**LOCAL LEGALS**

Compiled by Tom Smith

**PROPOSED**

**WHPN-TV Janesville, WI  
Channel 57**

Michael E. Kepler, Trustee for the Puri Family Limited Partnership has applied for the voluntary transfer of WHPN-TV to Acme Television Licenses of Madison. Acme is headed by Jamie Kellner. The purchase price is \$5.6 million. The Puri Family has no other broadcast holdings. Acme owns the following TV stations: WIWB Ch. 14, Suring/Green Bay, WI; KPLR-TV Ch.11 St. Louis, MO; KASY-TV Ch. 50, Albuquerque, NM; KUWB Ch. 30 Ogden, UT; KWBP Ch. 32, Salem, OR; KWBP Ch. 19 Santa Fe, NM; WDDT Ch. 26, Spring Field, Oh; WBUI Ch.23 Decatur, IL; WBXX-TV Ch. 20, Crossfield, TN and WTVL-TV Ch. 46 Naples, FL. Various members of the Board of Directors have interests in a long list other TV and radio stations. WHPN-TV had filed for bankruptcy late last year. Announced on April 15, 2002.

**WHPN-TV Janesville, WI  
Channel 57**

WHPN-TV has applied to move it's transmitter to the Madison Community Tower. To make this

move WHPN-TV has requested a waiver from the FCC requirement that it place an 80 DBU Signal over all of it's city of license of Janesville. There is a slight area in the Southeast corner of Janesville that would not receive an 80 DBU signal by conventional prediction methods. Use of the Longley- Rice method of prediction shows a greater 80 DBU coverage area then the conventional FCC methods with a small area of Janesville still receiving slightly less than 80 DBU.

WHPN-TV is requesting 5 megawatts at 387 meters above ground and 428 meters above average terrain. Announced on April 17, 2002.

**GRANTED**

**W216BL, McFarland, WI  
91.7 MHz**

VCY America, Inc. has been granted a construction permit to construct a FM translator in McFarland. The translator would operate with 120 watts at 30 meters above average terrain and 40 meters above ground. The coordinates are 43-03-00/89-16-55 which is Northwest of the highway I 39 and 90 and WI 12 and 18 interchange. Announced on April 12, 2002.

Compiled from FCC Releases and Databases ([www.fcc.gov](http://www.fcc.gov))

**CHAPTER 24  
SUSTAINING  
MEMBERS**

**RECENT RENEWALS:**

**Roscor Wisconsin  
Sony Broadcast**

**THANKS TO ALL OUR  
SUSTAINING MEMBERS:**

- Alpha Video**
- Belden Wire and Cable**
- Broadcast Richardson**
- CTI**
- Clark Wire and Cable**
- Fujinon Inc.**
- Graybar**
- Harris Corporation**
- maney-logic**
- National Tower Service**
- Norlight Telecommunications**
- Panasonic Broadcast**
- Ross Video**
- Scharch Electronics**
- Swiderski Electronics**
- Token Creek Productions**
- Wisconsin Public TV**
- WISC-TV 3**
- WKOW-TV 27**
- WMSN-TV 47**
- WMTV-TV 15**

**SONY** Kevin Peckham  
Account Manager  
Broadcast Products Division

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(708) 773-6046

Service Center (708) 773-6037  
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Alan Tanielian  
Midwest Regional Sales Manager  
Broadcast and Communications Products Division

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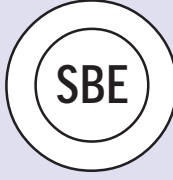
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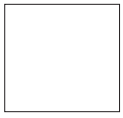
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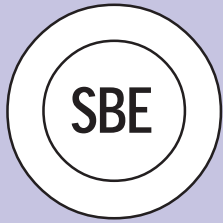
**FIRST CLASS MAIL**

Newsletter edited on Pagemaker 7.0 by: Mike Norton  
Contributors this month: Lonnie Cooks, Mike Norton, Tom Smith, and Tom Weeden.  
Thanks to Leonard Charles for his work on the Chapter 24 WWW page.

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# MAY MEETING and PROGRAM



## Society of Broadcast Engineers CHAPTER 24 MADISON, WISCONSIN Tuesday, May 21, 2002

### Elections and Lightning Protection

This month we will have our annual election of officers for SBE Chapter 24. Following the voting, the program will be a presentation by Richard Tarney, President of the Lightning Experts in Milwaukee. Richard will discuss both lightning protection for towers as well as studio facilities.

Chapter 24 will provide pizza and soda starting at 6 PM in the boardroom of the Wisconsin Public Broadcasting Center.

Pizza and Soda  
at 6:00 PM

at the Wisconsin Public Broadcasting Center  
3319 W. Beltline Highway

Meeting and Program  
at 7:00 PM

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

#### 2002 UPCOMING MEETING/PROGRAM DATES:

<b><u>Day</u></b>	<b><u>Date</u></b>	<b><u>Program</u></b>
Wednesday	June 19	Weather Central -Video Graphics
Thursday	July 18	Annual Picnic

Program Committee:	Denise Maney 277-8001	Steve Paugh 277-5139	Fred Sperry 264-9806	Steve Zimmerman 274-1234
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# WBA/SBE SUMMER ENGINEERING WORKSHOP

Wednesday, June 19, 2002



The Stone Harbor Resort  
Sturgeon Bay, WI  
(920) 746-0700



## Conference Schedule

- 8:00 am **Registration and Continental Breakfast**
- 8:30 am **Seminar Open, Welcome**
- 8:35 am **XM Satellite Radio/IBOC Digital Radio** — Cliff Groth of Marathon Media; Richard Hinkle, DE of Broadcast Electronics
- 9:45 am **Emergency Alert System Changes** — Gary Timm of WTMJ Radio, Wisconsin SECC Chairman
- 10:35 am **Break**
- 10:50 am **AES Audio Trouble Shooting** — Randy Hall of Nvision
- Noon **Lunch Speaker: Analyzing the Analyzer** — Rich Wood of Resonant Results
- 2:00 pm **Digital Audio Processing**
- 3:00 pm **Next Level Transmission Solutions** — Ted Nahil, Intraplex Transport by Harris
- 4:00 pm **Workshop Adjourns** — Engineers join managers At WBA exhibit reception (SBE Booth to be staffed by representatives of area chapters)
- 7:00 pm **ADJOURN TO THE LAKEFRONT COURTYARD** — Refreshments & Entertainment; Outdoor buffet dinner on the lakefront.
- 7:45 pm **WBA FOUNDATION LIVE AUCTION**
- 8:30 pm **FREE TIME ON YOUR OWN** — Time to network and take advantage of Door County

**Fees:** \$25 (one day)/\$40 (Both days) To register by phone, call the WBA at 608-255-2600 by June 13th.

**IMPORTANT:** Arrangements for your stay at Stone Harbor Resort must be made separately by calling them directly at (920) 746-0700 BY MAY 22! (tell them that you're with the Wisconsin Broadcasters Association)

Visit [www.wi-broadcasters.org](http://www.wi-broadcasters.org) or [www.sbe24.org](http://www.sbe24.org) for additional information