



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

Society of Broadcast Engineers November 2001



TOWER INDUSTRY PART 11 – TOWER HARASSMENT

By Vicki W. Kipp

In this article, we will discuss pranks and malicious mischief that can occur at towers.

UNINVITED GUESTS

Often located in isolated areas, towers may be vulnerable to high jinks because perpetrators feel that they are unlikely to be caught. Occasionally, unauthorized people will visit a tower site just to check it out. People may even free-climb on a tower, even though it is illegal and could potentially lead to injury or death.

Trespassing brings other issues. "I've picked more pieces of apparel off of towers than I can count," reports consultant Rich Wood of Resonant Results, LTD. Nuisance vandalism activities may include tire spin out marks, litter, and graffiti. On May 23, 2000, a radio transmitter building in Eddington, Maine was vandalized as a consequence of a large party in the area. Vandals removed and burned the building's door, and stole a portable radio.

BASE JUMPING

Considered a thrilling extreme sport by some, base-jumping is a nightmare to those who oversee towers. This reckless sport is like parachuting, except that the person jumps from a lower height. Base jumping involves jumping off of a still object, free-falling for up to three seconds, triggering a hand held pilot chute, and then maneuvering to land on the ground without injury. The sport's name is derived from a composite of the platforms base jumpers leap from: **B**ridges, **A**ntennas, **S**pan, and **E**arth. The word 'Antennas' refers to antenna towers.

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Next Meeting:

**Tuesday,
November 27, 2001**

IBOC Digital Radio

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

**at J.T. Whitney's
674 S. Whitney Way**

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

**at WKOW-TV
5727 Tokay Blvd.**

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FCC EXAMINES DTV TRANSITION

By Tom Smith

On October 11th, FCC Chairman Michael Powell created a Digital Television Task Force to review the transition to DTV and find ways to facilitate the transition and the recovery of broadcast spectrum for other uses. Powell wants the task force to take a hard look at where the DTV transition is, and to make any corrections in the transition process.

Powell said, "The DTV transition is a massive and complex undertaking. Although I'm often asked what the FCC is going to do to fix the DTV transition,

I believe that a big part of the problem were the unrealistic expectations set by the 2006 target date for the return of the analog spectrum."

The Chairman wants the task force to examine the various priorities needed to move the transition forward. The priorities include what needs to be done now, what can wait, and what doesn't need to be done by the FCC. They also want to know what actions are outside the FCC's power or expertise, and if these actions should or could be done by others.

Powell also cautioned that the FCC

must consider the events of September 11th and the financial impact on media companies and the consumer. The FCC must also consider the needs of public safety and other wireless services need for spectrum.

The Task force consists of 15 FCC staffers from the Mass Media, Cable service, Consumer Information and International Bureaus, the Office of Plans and Policy, Office of Engineering and Technology and the Office of General Counsel.

At the November 8th meeting, the
(continued on page 6)

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October Business Meeting Minutes

Chapter 24 of the Society of Broadcast Engineers met on Wednesday, October 10, 2001 at the Marriott Hotel in Middleton, Wisconsin for the chapter's monthly meeting. The meeting was held in conjunction with the annual "Broadcasters Clinic." There were 38 members in attendance (including members of other SBE chapters), 31 of whom were certified, and 6 guests.

The meeting was called to order at 7:23 PM by chairman Tom Smith. There was recognition of members of other local SBE chapters who were in attendance. The awards won by area chapters were announced, including best newsletter (B category) by Mike Norton of Chapter 24, frequency coordination by Mark Berg of Chapter 124 (La Crosse), and best technical article by Vicki Kipp of Chapter 24.

An SBE fund has been set up for the families of broadcast engineers who were lost in the September 11th World Trade Center attack. Details are available at the www.sbe.org web site.

Newsletter editor Mike Norton announced the deadline for the November issue will be midnight Friday November 9th, with folding on Wednesday November 14th at WKOW-TV.

The meeting adjourned at 7:28 PM.

For this month's program, a panel discussion was held on the transition to digital television.

Submitted by Tom Weeden, Secretary

NEW FILING PROCEDURES BEGIN AT FCC

By Tom Smith

Because of the problems with the Post Office caused by the spreading of the Anthrax virus, the FCC has started some new procedures for accepting the filing of various documents with the agency.

The FCC will no longer accept hand delivered documents in envelopes. All documents must be removed from an envelope before entering the FCC offices and disposed of in a receptacle outside the building. If the document is confidential in nature, the staff at the filing counter will place the document in an envelope after receiving it. All other filings must be rubber banded or fastened together with a fastener.

The FCC will not accept any documents at its main office. All hand delivered and mail filings will be accepted at its Capitol Heights, MD facility only. This action took effect on October 18th and will be in effect until further notice. A similar action was taken at the FCC's Gettysburg, PA. facility. The FCC is encouraging the use of electronic filing whenever possible.

From FCC Releases (www.fcc.gov)

FCC STARTS REVIEW OF ECHOSTAR-DIRECTV MERGER

By Tom Smith

FCC Chairman Michael Powell has named a team of FCC officials from various agencies in the FCC to start review of the proposed acquisition of DirecTV by competitor EchoStar Communications. If this transaction is allowed to proceed, there will be only one direct to home satellite provider. Because this will create a monopoly in satellite services, this transaction will be subject to review by the FCC, the Federal Trade Commission, and the Justice Department.

The FCC Team consists of senior members of Office of General Counsel, Cable Services Bureau, Office of Engineering and Technology, Office of Plans and Policy, International Bureau and the Chief Economist.

From FCC Press Release (www.fcc.gov)

Thanks to Lonnie Cooks for coordinating the Chapter 24 booth at the Broadcasters Clinic in October.

The *Chapter 24 Newsletter* is published monthly by Chapter 24 Inc, Madison, WI.

Submissions of interest to the broadcast technical community are always welcome. You can mail articles to:

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AMATEUR RADIO NEWS

By Tom Weeden, WJ9H

- Solar flux and sunspot numbers have risen since late October, but unfortunately for HF operators so did geomagnetic activity. A severe geomagnetic storm produced dramatic aurora displays. What is bad for HF can make VHF very interesting. JA7SSB in Japan reported that 6 meters (50-54 MHz) was quite active in Japan, with stations monitored from Italy, Australia, Hawaii, French Polynesia and elsewhere. Long distance propagation of low-band VHF TV stations was also possible.

- Project Starshine is seeking volunteer amateur radio operators and students worldwide to monitor and report telemetry from the recently launched Starshine 3 satellite. Data supporting a solar cell experiment on the satellite is being downlinked so students and radio amateurs can participate in collecting the data. The satellite transmits 9600 bps AX.25 packet telemetry at 145.825 MHz every two minutes. Launched September 30 as one of three ham radio payloads from Alaska's new Kodiak Launch Complex, Starshine 3 is in a 500-km, 67-degree circular orbit. Nearly one meter in diameter, Starshine 3 weighs some 200 pounds and carries 1500 aluminum mirrors polished by some 40,000 student volunteers in the US and 25 other countries.

Starshine 3's primary mission is to involve and educate students in space and radio sciences. The "mirror-ball" surface permits youngsters to visually track the satellite during morning and evening passes. Students record the mirror flashes and report their observations to Project Starshine, and visual data gathered will be used to determine the effects of the atmospheric drag on the spacecraft. For additional information about Project Starshine, visit the Project Starshine Web site, <<http://www.azinet.com/starshine/>>.

- The American Radio Relay League has urged the FCC "in the strongest possible terms" to make no commercial allocations in the Amateur Service 2390 to 2400 MHz primary allocation. The League tentatively suggested, however, that hams might be willing to share the band with compatible government services that are displaced to make room for advanced wireless systems.

The ARRL told the FCC that advanced wireless services "are fundamentally incompatible with continued amateur access to the band." The ARRL commented in four separate proceedings dealing with allocations for advanced and third-generation wireless systems, the mobile satellite service and the Unlicensed Personal Communications Service (U-PCS). The comments also noted that amateur allocations in the vicinity of 2 GHz "have been steadily eroded" through encroachment by other services.

(Excerpts from "The ARRL Letter")

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TOWER INDUSTRY PART 11 (continued from page 1)

On Super Bowl Sunday 1998, base jumpers climbed and jumped from the WHWC-TV tower in Menomonie, WI belonging to the Educational Communications Board. Tower neighbors witnessed the incident, but did not inform site personnel until later.

CHEAP THRILL

Tower technicians complain of airplanes flying obnoxiously close to their perch on a tower. Thrill seeking pilots in crop dusters and high performance military jets will slalom their planes between guy wires. For example, there is an 800-foot tower in Villa Rucca, Georgia near a military base that is regularly subjected to close flybys.

PRANKS

The relationship between college students and tower pranks is a long-standing one. Tech Tower, a tower building as opposed to a steel lattice broadcast tower, is the oldest and best known campus landmark at the Georgia Institute of Technology. The tower once suffered recurrent student shenanigans. In 1902, college senior James Anthony climbed the tower to paint the message "T + M '02", an apparent display of his class spirit. Initially, the identity of the prankster was not known. Students feared punishment from Georgia Tech President and strict disciplinarian Lyman Hall. "We may all get sent home for this," lamented one member of the class of 1902. Anthony eventually admitted to his prank, and was forced to remove the graffiti, pay for the damage, and publicly apologize to the college. "TECH" signs were later added to the Tech Tower, inspiring the jovial tradition of pranksters stealing the "T". Although past administrations genially tolerated this tomfoolery, this custom has been abandoned as it is

now sternly condemned. Alarms, motion detectors, and other increased security measures have effectively prevented further attempts to steal the "T."

It is rumored that fraternities sometimes haze pledges by requiring them to retrieve a light bulb from a communications tower. One tower technician climbed a tower to replace a light bulb after a tower light failure had been reported. Reportedly, when he climbed up to the light, he found that the light bulb had been removed from its base, and was sitting by the light lens on top of a six-pack of beer. In a reverse prank, tower technician Russ Prieve mentions mounting a plastic pink flamingo lawn ornament that he and Rich Wood found at a tower site at the exterior of a tower light for the amusement of other technicians.

BAD AIM OR BAD JUDGEMENT?

Bernie Heinemann, owner of Wave Communications/ Skyline, recounted a tower job where he was contracted to replace a tower top light bulb that had failed. When he climbed to the top of the tower, it quickly became apparent why the light was out. Someone had shot a bullet through it. It didn't take too much imagination to cite a possible source of the bullet. When Heinemann looked back through the bullet hole in the tower light to determine the bullet's path, he saw the back door of a house. Ironically, the owner of the house had been quite vocal about his opposition to the construction of the tower near his home. The land that the tower had been built on was the object of a purchase dispute between the land's seller and the homeowner.

While the month of November is celebrated as the season for deer hunting, it sometimes becomes open

season on towers as well. There are reports of tower lights, antennas, and transmission lines being shot. In fact, tower technicians who perform tower inspections are trained to visually inspect every inch of transmission line for a ballistic puncture. Wave Communications/ Skyline Project Manager Russ Prieve recalls, "I've replaced ten tower lights that have been stolen or shot during the past six years. If vandals have shot the transmission line, the repairs can become expensive."

Shooting at a tower or tower appurtenances is illegal and wrong, but people still engage in tower target practice. What prompts this bad behavior? Some attacks on towers are motivated by the attacker's hostility towards the tower. People who were opposed to having a tower built near their homes may harbor resentment towards the completed tower. The "Not In my Backyard!" (NIMBY) proponents may be so bitter that they would actually commit a harmful act against a tower.

Another scenario is a bullet fired by hunters who are frustrated with their lack of success hunting. As the hunting season draws to a close, they vent their anger by taking a shot at an unarmed tower. Still others take aim at a tower not because of ill will towards the edifice, but because they are overcome with temptation to shoot at a large non-conforming structure.

MALICE

While the word 'prank' conjures images of an amusing and mostly harmless joke, some acts against towers are clearly examples of criminal intent.

On September 21, 1999, vandals cut four 3/4-inch transmission line
(continued on next page)

WISC-TV
MADISON CBS
3

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TOWER INDUSTRY PART 11 (continued)

cables on the Chemical Stockpile Emergency Preparedness Program (CSEPP) tower in Sillusi Bette, Washington. The CSEPP manager speculated that a heavy tool such as a bow cutter would have been required to cut the lines. In what was possibly a deliberate attempt to sabotage CSEPP, the lines that vandals cut fed an alarm system that would trigger sirens and traffic message boards if toxic chemicals were released from the nearby Umatilla Chemical Depot. Despite damage to the tower hardware, CSEPP would have still been able to trigger the alarms via a computer remote control.

On December 30, 1999, saboteurs toppled an 80-foot steel high-voltage electrical tower in Bend, Oregon by pulling the bolts from the tower guy wires. No group claimed responsibility for the attack. If the motive was to cut power, then the mission failed because other lines in the electrical grid began compensating at once. Although it sustained nicks and scratches, the tower was otherwise undamaged. The tower was raised and returned to service the next day.

On September 16, 2000, a radio pirate broke into Wisconsin Public Radio's (WPR) Green Bay radio station WHID-FM. The pirate cut the WHID incoming audio feed, and spliced a battered CD player into the transmission path. The CD player played a satanic message over WHID-FM until WPR staff were notified and intervened. The Brown County Sheriff Department, the FBI, and the FCC investigated this crime.

Green Bay, Wisconsin was targeted again between December 25, 2000 and January 1, 2001 when someone burned down the WZOR-FM transmitter facility in the nearby Town of Denmark.

Arson was determined to be the cause of the fire. The 6,000-Watt transmitter and transmitter building belonging to commercial rock station 'The Razor' 94.7 FM were destroyed. WZOR was off the air for two weeks.

PENALTIES IF CAUGHT

Unauthorized tower visitors may face consequences for their actions. If caught, they may be charged with trespassing, criminal damage to property, burglary, or other crimes. After speaking with a local law enforcement professional, I gathered the following general information applicable to Dane County. Laws and consequences vary by location. Please consult with law enforcement or an attorney for information applicable to your area.

While some lesser crimes committed at a tower site are considered misdemeanors, graver crimes are considered felonies and are punishable by a more severe sentence. The penalty for trespassing at a tower site is no different than for trespassing at any other location. Although you can't be arrested for trespassing, you could receive a county or municipal citation, depending on the location of the tower. The dollar amount of the trespassing citation varies by county. For example, a trespassing citation costs \$150 in Columbia County and \$200 in Dane County. Whether a person enters the tower grounds without permission or climbs up the tower, they would receive the same citation. The trespasser may be let off with a warning, at the discretion of the officer. One site engineer explained that he felt it was better to let trespassers off lightly, with hopes of keeping the incident quiet. He feared that any media attention of a trespassing incident might encourage others to try the same thing.

Trespassers may be subject to additional citations, depending on their actions at the tower site. Committing vandalism at a tower site would be considered criminal damage to property. This infraction is a misdemeanor and is an arrestable offense. The dollar amount of the citation for criminal damage to property is based on the cost of the damage caused. When a tower trespasser steals something from a tower site, including a tower light, this is a burglary felony. Criminal damage to property and burglary crimes that affect the signal transmission may be referred to the FCC.

PREVENTION

Most tower site staff have taken steps to reduce the likelihood of their tower being vandalized. Site personnel are advised to install fencing around the tower base and guy anchors (Figure 1). Signs that
(continued on page 6)



Figure 1. Tower bases and guy anchors should be fenced in.


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TOWER INDUSTRY PART 11 (conclusion)

warn, "Danger-High Levels of RF energy" (Figure 2) or "Danger-High Voltage" (Figure 3) may discourage some unwelcome visitors. Maintaining a good relationship with the tower neighbors gives you a lot more people

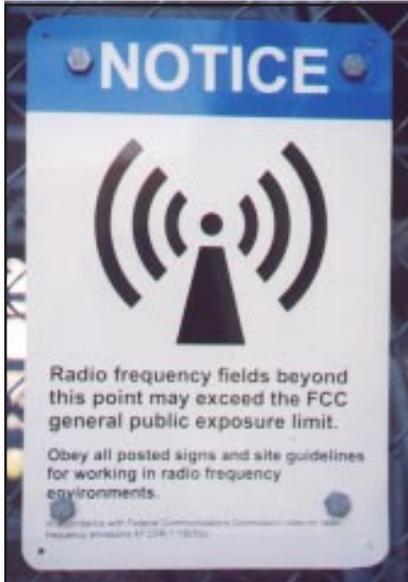


Figure 2. Intimidating signage may discourage unauthorized visitors from getting close to RF sources.

to keep an eye on your tower site. Some sites have invested in motion sensors and alarms, or tower cameras for remote monitoring.

Even if you don't have any type of security device in place, consider giving the [false] impression that the site is under constant electronic surveillance. Tower neighbors and visitors may spread this information around. The threat of electronic surveillance suggests that your tower is not an easy target.

CONCLUSION

Unfortunately, towers sometimes have unwelcome visitors. Offenses ranging from minor pranks to criminal mischief can occur. There are actions that you can take to discourage unauthorized persons from visiting your tower.

Next month, we'll continue our discussion of the tower industry with a look at a course that teaches tower technicians to climb safely.

Information for this article came from



Figure 3. Signage clearly warns trespassers not to enter.

the following sources: Campus Life "Ramblins- Students Love, Vandalize Symbolic Tech Tower"; ComTrain Tower Climbing Safety and Rescue Course; East Oregonian "Authorities Investigate Alert System Vandalism"; Educational Communications Board (ECB): Delivery Engineering; MFSF "Spires on the Skyline"; PageWise, Inc. The Basics of Base Jumping"; Resonant Results, LTD.; The Oregonian "Crews re-erect BPA Tower Toppled Near Bend"; The Post-Crescent "Fire Damage Takes WZOR Off The Air"; Wave Communications/Skyline.

FCC EXAMINES DTV TRANSITION (continued from page 1)

FCC adopted a number of actions to aid the DTV transition. The actions include delaying the deadline for replication of analog coverage areas. This will allow stations to get on the air with lower power facilities and retain the right to expand their coverage as the DTV transition continues. The original dates that DTV stations had to replicate their analog coverage was December 31, 2004 for commercial stations and a year later for non-commercial stations.

The FCC deferred its requirement for stations granted construction permits to maximize their coverage and retain protection from interference from the initial build-out date requirements. Stations must still meet their city grade signal strength requirements with commercial stations deadline of December 31, 2004 and the non-commercial deadline of December 31, 2005.

The FCC also deferred its requirements for stations with both analog and digital stations in the channel 2-51 core to make their election of which channel they would use for their DTV channel at the end of the transition. The original dates were December 31, 2003 for commercial stations and December 31, 2004 for non-commercial stations.

The FCC will set new dates for replication, maximizing and channel selection in the next periodic review of the transition. The new dates will be no later than December 31, 2006.

The FCC also modified the deadlines for meeting various minimum operating hours. The new deadlines are April 1, 2003 for 50% of the analog stations operating hours with April 1, 2004 for 75 % and April 1, 2005 for 100%. Stations must transmit during primetime.

The FCC declined to extend the remaining DTV construction deadlines, but they will now consider financial hardship in granting extensions of time to construct DTV facilities. The FCC will not consider the current downturn of the economy or ad market as financial hardship. A station must show that its financial hardship is result of problems that have occurred over a length of time, and they have made a good faith effort to comply.

The FCC cleared up some issues concerning applications processing procedures for determining unacceptable interference and maximum allowable power.

The FCC deferred decisions on receiver performance, DTV tuners, ATSC PSIP, and labeling requirements for DTV receivers.

From FCC Releases (www.fcc.gov)



FCC Rulemakings

Compiled By Tom Smith

FINAL RULEMAKING

**MM Docket No. 98-203;
FCC 01-306
Ancillary or Supplementary Use of
Digital Television Capacity by Non-
Commercial Licensees**

The FCC has issued rules concerning the use of excess capacity of the digital signal of a non-commercial TV station. These new rules will allow a non-commercial station to sell the excess capacity of its digital signal for commercial use.

The FCC will allow non-commercial stations to participate in a number of commercial operations including data transmission and subscription TV. One thing new that the FCC is allowing a non-commercial to do is that they will be able to sell advertising on the data services and subscription TV services. The station is required to provide one free broadcast program on its DTV signal.

The FCC will require non-commercial stations to do something that they are not normally required to do. The FCC will require that the stations pay a fee to the government equal to

five percent of the gross revenue that they earn on the non-broadcast digital signal. This is the same fee that is required of commercial broadcasters. This fee is to help make up for the lost revenue that the government could have received in auctioning the DTV stations spectrum. Non-commercial TV stations will also be required to make the same yearly filings and payments as the commercial stations concerning the use of data transmissions on their digital signals.

This notice was adopted and released on October 11, 2001.

From FCC Releases (www.fcc.gov)

SBE Short Circuits – November 2001

By John L. Poray, CAE
SBE Executive Director

RELIEF FUND GROWS FOR WTC VICTIM'S FAMILIES

The relief fund, established to benefit the families of the six broadcast engineers and technicians lost as a result of the attacks on the World Trade Center September 11, has drawn the attention of individuals and companies from across the country. As of November 1, almost \$50,000 had been raised for the fund that was initiated by SBE and the Ennes Educational Foundation Trust. Initial checks to the nearest family member of all six men were sent by October 31. Due to the generosity of so many in the broadcast engineering industry, we were pleased to get some much-needed financial help to the families so quickly.

Since the fund continues to grow,

another check will be sent to each family in the coming weeks. There is still time to make a tax-deductible donation to the fund. 100% off the money raised will go to the families of the victims. There is no overhead of any kind involved and there is also no restriction on how the recipient may use the money.

Make your check payable to "Ennes Educational Foundation Trust" and mark it "Relief Fund."

Mail to: Society of Broadcast Engineers, Inc.; 9247 N. Meridian Street, Suite 305, Indianapolis, IN 46260.

Those lost at the World Trade Center on September 11:

Rod Coppola - WNET-TV
Donald Di Franco - WABC-TV
Steven Jacobson - WPIX-TV
Bob Pattison - WCBS-TV
Isaias Rivera - WCBS-TV
William Steckman - WNBC-TV

INVITE THE FCC TO YOUR MEETING

Field Office and some home office based FCC officials are available to speak to your SBE chapter. Availability is subject to their schedules and if there is travel cost involved, the chapter will most likely be asked to pay for it.

Contact your local FCC Field Office for more information on how to invite a FCC representative to a future meeting.

CHAPTER REPRESENTATIVES INVITED TO SBE STRATEGIC PLANNING DAY

SBE will be holding a special strategic planning session on Saturday, January 12 in Indianapolis. The purpose is to help focus the Society's programs and services to meet the needs of members in the coming years. The chapter chairman, or other representative from each SBE

(continued on page 8)



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SBE Short Circuits (continued)

chapter, is invited to attend. Also participating will be the national Officers, Directors and staff. The session will be led by professional facilitator, Tom Zoss of Bloomington, Indiana.

Attendees will need to provide their own transportation and lodging. Lunch will be provided for all participants on the 12th. A location in Indianapolis was being firmed up as of this writing and will be announced soon on the SBE web site and in the December issue of the SBE SIGNAL. Chapters – think about covering the travel cost of your chairman or representative. He or she will be representing all of your local SBE members.

SBE LEADER SKILLS SEMINARS SET FOR 2002

SBE will once again present the Leader Skills Seminars for Broadcast Engineers with seminar leader, Richard Cupka. The three-day Course One will be held at the Marten House Hotel and Conference Center in Indianapolis on June 5-7, 2002. The seminar is open to anyone interested in learning the skills necessary for managing the broadcast engineer function at a station or similar facility. The seminar is appropriate for both current and aspiring managers.

The follow-up Course II seminar will be held August 7-9, also at the Marten House in Indianapolis. Participants for Course II must have completed Course I or any of the previously held five-day Leader Skill Seminars. A minimum of ten and maximum of 18 participants insures a quality program with plenty of individual attention. Mr. Cupka has led the Leader Skills Seminar for Broadcast Engineers for more than 30 years. More than 1,000 graduates can be found at

stations, networks and cable facilities across the country.

To register, call the SBE National Office or watch for more information and a registration form in the December issue of the SBE SIGNAL.

ENNESWORKSHOP FOR NASHVILLE, TN SET FOR JANUARY 7

The Ennes Workshop, scheduled for October 12 in Nashville, Tennessee has been rescheduled for Monday, January 7, in conjunction with the Tennessee Association of Broadcasters annual convention. The location will be the Maxwell House Hotel in Nashville.

Sessions will be held on DTV Transmission Facilities, Video Transport Considerations Outside the Digital Studio, An Overview of ATSC Activities, Implementation Recommendations for Data Broadcast, Real-time Broadcast Control and A Super Efficient Five-Segment Multistage Depressed Collector IOT. A special radio session on IBOC has been added to the original program lineup. To register, call the SBE National Office at (317) 846-9000. Cost for SBE members to attend is \$69 and non-members are \$85. Fee includes speaker workbooks, breaks and lunch.

CERTIFICATION EXAM SESSION DATES ANNOUNCED FOR 2002

The SBE National Certification Committee has announced exam session dates for 2002. Check for the exam period that is best for you. For more information about SBE Certification, see your Chapter Certification Chair or contact Linda Godby, Certification Director at the SBE National Office at (317) 846-9000 or lgodby@sbe.org.

 **LOCAL LEGALS**

Compiled by Tom Smith

GRANTED

New FM, DeForest, WI 93.1 MHz

The FCC has granted a settlement that will allow Great Dane Broadcasters, Inc. to be granted a construction permit for an FM station at 93.1 MHz to be licensed to DeForest, WI. The station will be located at the coordinates of 43-16-10N/89-18-38W with antenna at 100 Meters above average terrain with 6 KW ERP. This action was granted on November 5, 2001 and announced on November 8, 2001.

DISMISSED

New FM, DeForest, WI 93.1 MHz

As part of the settlement granted to a construction permit for a new FM in DeForest, WI, the following applicants had their applications dismissed. They are DeForest Broadcasting Company, Inc.; B-93 Ladies of DeForest; Louis George Fortis; BBDG Broadcasting, LLC; Walter A, Wiggleworth; David and Lynn Magnum, and DeForest Radio Partnership.

From FCC Daily Notices (www.fcc.gov)

Chapter 24 Web Site 
<http://www.sbe24.org>

Steve Paugh is the editor for the HTML Version of this Newsletter, available monthly on the SBE Chapter 24 web page.

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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!

A MESSAGE FROM THE WEST

By Neal McLain

Hello, Chapter 24! Greetings from Hooper, Utah!

I just received my copy of the 2001-02 SBE Membership Directory. Congratulations to Chapter 24 for Best Chapter Newsletter, and to Vicki Kipp for Best Technical Article. The Madison Chapter does it again!

Before you file away your copy of the Membership Directory, take a look at the RealCoverage ad on the back cover. You'll find Hooper straight east from Fremont Island. Off-air TV reception is pretty good here, although not from any of the five transmitters shown in this ad (I think those are FM transmitters, possibly translators).

The RealCoverage ad also shows Antelope Island. We get a good view of Antelope Island from our deck: it rises 1800 feet above lake level. But there aren't any transmitters there – just antelope, buffalo, and tourists.

I'm now a member of Chapter 62, but I haven't been to any of their meetings (it's a 45-minute drive from Hooper to downtown Salt Lake City). One of these days, though, I'm going to get to a Chapter meeting so I can let y'all know what's happening out here.

(Editor's note: Neal McLain is a former Chapter 24 member, and was a frequent contributor to the Newsletter.)



Antelope Island as seen from Hooper, Utah.

Token Creek
MOBILE TELEVISION
 incorporated
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

Wear this shirt...
 Raise consumer DTV Awareness!

FRONT



(www.titantv.com gives DTV broadcast channels and schedules by area)

BACK



Ash shirt with Black and Red graphics, Preshrunk, 99% Cotton/ 1% Polyester

___ S ___ M ___ L ___ XL ___ XXL
 ___ Shirts * \$10 each = ___ Total
 Name _____
 Address _____
 Phone _____ E-mail _____

Please send order form and check payable to Vicki Kipp by 12/15/01.
 (608) 273-0889 vwkipp@aol.com
 6205 Thornebury Dr Madison 53719

DO YOU HAVE AN IDEA FOR A SBE PROGRAM?

Is there a topic you would like to see covered at one of our local Chapter 24 meetings? Is there a technology that you would like to learn more about? Or, better yet, is there a topic that you are qualified to speak on at an upcoming meeting?

Please forward your ideas to one of the Program committee members, or to one of the Chapter 24 officers. They are listed on page two of this newsletter.

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LATEST RENEWALS:

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TOM HARLE
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DVC-272.exe

Current Time	04/02/06	00:02
Event 1	01:59:59	00:00:00
Event 2	01:59:59	02:00:00
Event 3	03:15:10	03:45:00
Event 4
Event 5

Press a for edit mode. VTR Status: stop
 DVC Timer copyright 2001 macey-logic

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David Thormodsgaard
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FIRST CLASS MAIL

Newsletter edited on Pagemaker 5.0 by: Mike Norton
 Contributors this month: Vicki W. Kipp, Neal McLain, Tom Smith, and Tom Weeden.
 Thanks to Leonard Charles for his work on the Chapter 24 WWW page.

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NOVEMBER MEETING and PROGRAM



**Society of Broadcast Engineers
CHAPTER 24 MADISON, WISCONSIN
Tuesday, November 27, 2001**

IBOC Digital Radio

Join us this month to learn about the next step in radio broadcasting: In-Band On-Channel digital radio. Technical information about IBOC will be presented by a representative of Harris Broadcast.

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

**at J.T. Whitney's
674 S. Whitney Way**

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

**at WKOW-TV
5727 Tokay Boulevard**

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

2001/2002 UPCOMING MEETING/PROGRAM DATES:

Day	Date	Program
Wednesday	December 19	UW Communication Expert
Thursday	January 17, 2002	Security Systems
Tuesday	February 19, 2002	Sonic Foundry software

Program Committee:

Denise Maney
277-8001

Steve Paugh
277-5139

Fred Sperry
264-9806

Steve Zimmerman
274-1234