



SOCIETY OF BROADCAST ENGINEERS

CHAPTER  24

AN AWARD WINNING NEWSLETTER

MADISON, WISCONSIN

FEBRUARY 1991

## FEBRUARY MEETING

DATE: FEBRUARY 13, 1991

AT: WILSON ST. GRILL

217 S. Hamilton

(corner of Hamilton & Wilson—enter on Wilson St. side; use underground parking; take elevator to restaurant—meeting room provided)

DINNER AT 5:30 P.M.

PROGRAM AT 7:45 P.M.

The program will be a tour of the Dane County Emergency/911 center. In addition to the tour, Jim Engeseth of Dane County Emergency Government will update everyone on the County EBS system. After dinner, program attendees will walk to the City County Building to begin the tour at about 7:45 p.m.

### UPCOMING MEETINGS

March 21, 1991

April 23, 1991

May 22, 1991

## CHAPTER 24 OFFICERS

### CHAIRMAN:

Steve Zimmerman (WKOW TV)

W - 274-1234

H - 845-8738

### VICE CHAIRMAN:

Jim Hermanson (WTSO/WZEE/  
WKOW TV)

W - 274-1234

H - 231-2005

### SECRETARY:

Tom Weeden (WMTV TV)

W - 274-1515

H - 276-7915

### TREASURER:

Fred Sperry (WI Public TV/TOC)

W - 273-5500

H - 833-6074

## NEW LOOK

*briefly, from the editor*

Beginning with this issue, I have assumed the duties of the Chapter 24 newsletter editor. My name is Deanna Morris, I am an operations engineer employed at WKOW-TV, and I am SBE certified as a broadcast technologist.

One of the things that makes the Chapter 24 newsletter so successful is member interest and involvement. I hope that each one of you will consider how you can contribute to the continued success of the newsletter.

I would be happy to discuss anytime the possible articles or other contributions that you would like to make.

## JANUARY 1991 MEETING MINUTES

Chapter 24 of the Society of Broadcast Engineers met on Tuesday, January 15, 1991 at Corby's restaurant in Madison for its regular monthly meeting. There were 14 members present, including 12 who were SBE certified, and no guests.

Chairman Steve Zimmerman called the meeting to order at 7:01 p.m.. Vice Chairman Jim Hermanson read the minutes of the December 1990 meeting. The minutes were approved as read. Treasurer Fred Sperry reported on the account balance of the chapter.

Chairman Steve Zimmerman announced that Mark Fazio of WKOW-TV had completed SBE application requirements and was accepted as a new member to Chapter 24.

Sustaining Membership Chairman and Newsletter Editor Leonard Charles reported that Cellular One signed on as a new sustaining member. Also, the sustaining memberships of WISC-TV and WKOW-TV were up for renewal. He also announced that Deanna Morris will begin editing the newsletter, begin-

ning with the February issue, and that 110 copies of the January issue were sent out.

Frequency Coordination Chairman Chris Cain reported that the FCC is planning to require that fixed link STL antennas fit either the A or B antenna pattern specifications, depending on

*(cont'd pg 2, col 1)*

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**JANUARY MINUTES**

which area the antenna is in, as of October, 1991. This affects the 2, 2.5, 7, 13 and 23 GHz services. He advised that if questions arise in this matter with a particular antenna arrangement, the station's consulting engineer should be contacted to assure compliance.

Chapter Liaison Pual Meyer reported that he is working with the Green Bay, Minneapolis, and Rockford SBE chapters. Chris Cain announced that the WBA is planning a full day of activities in Stevens Point this year in early July.

There was no old business. In new business, it was announced that a future program on the Sony Library



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Management System is planned.

The business meeting was adjourned a 7:14 p.m.. Program Chairman Kevin Ruppert then introduced SBE member Neal McLain who presented a slide show tour entitled "A Technical Visit to a Cable Television System."

*Jim Hermanson, Vice Chairman*

**CHAPTER 24**

**COMMITTEE APPOINTEES**

- Past President - Denny Behr
- Membership - Dave Gerisch
- Sustaining Membership - Leonard Charles
- Strategic Plan Comm - Denny Behr (Chair)
- Newsletter - Deanna Morris
- Program Chairman - Kevin Ruppert
- Cert/Ed - Doug McDonell/Tim Trendt
- Frequency Coord - Chris Cain
- Chapter Liaison - Paul Meyer

**FCC NEWS**

(Editors note: The Chapter 24 newsletter is looking for a new FCC News columnist. If you are interested in the FCC and/or the government's involvement in broadcasting and cable, and you would like the opportunity to write for an award-winning newsletter, please contact the editor by March 1.)

by Leonard Charles

FCC Commissioner Andrew Barrett told a group of cable engineers that cable's concerns about cross subsidization will weigh in his review of whether

mission acted on a petition from TV Answer Inc., of Reston, VA, an interactive TV system developer.

A \$10,000 fine was levied by the FCC to MTD Inc., permittee of KWMW FM of Maljamar, N.M. for failing to light its tower.

The FCC has denied the appeal of KQED Inc., for reinstatement of its license to KQEC TV in San Francisco. The Commission had pulled the


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the statutory prohibition against telephone companies providing cable service should be repealed. Speaking to the Society of Cable Television Engineers, Barrett said he will also consider the economics of fiber deployment and cable's interest in providing telephone services through personal communications networks.

The FCC plans on issuing a further notice of inquiry in March and then making their final recommendations in June on DAB in the US. That recommendation will be taken to the World Administrative Radio Conference in February of 1992.



The Commission has proposed to reallocate 500 KHZ (218-218.5 MHZ) to establish a radio frequency based interactive television service. The Com-



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KEITH EMMONS

license because the station had been taken off the air. Although KQED Inc. said it was taken off the air for technical reasons, an FCC review board found that it was off the air primarily to save money. The license was awarded to the Minority Television Project.

The Mass Media Bureau will consider the distress sale of KEEF-TV Los Angeles from Black Television Workshop to Hispanic Christian Communications Network. It is believed to be the first distress sale in TV or Radio since the Supreme Court found the policy constitutional last summer.

The FCC has granted license renewal of WPIX TV New York in spite of a petition to deny by the Newspaper (cont'd pg 3, col 1)

Milwaukee  
Madison  
Chicago

# VIDEO IMAGES

Jim Braun  
District Sales Manager  
Video Images, Inc.  
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## LOCAL LEGALS

info by Doug McDonell

FM Proceedings have been scheduled for Laverne J. Falk, et. al. in White-water, WI. ALJ Walter C. Miller will preside at both the prehearing conference scheduled for March 29, 1991 and at the hearing scheduled for May 6, 1991.

## FCC NEWS

Guild of New York Local 3. The Local contended WPIX employment practices violated a series of laws and raised questions of their qualifications as licensee.

The FCC admonished KSEA FM of Seattle for violation of a station's obligation to fully and accurately disclose the rules of its on-air contests. KSEA initially invited listeners to enter its spring four-in-a-row contest "as often as you like" but later said it would accept no duplicate entries after a woman entered 800 times. The station then re-imbursed the complainant for her "wasted participation" expenses.

TV Marti went off the air in mid January when the balloon carrying the antenna broke free of its tether and took off. The balloon was deflated by remote control and landed in dense forest within Florida's Everglades National Park. A Coast Guard helicopter lowered an inspection team that reported minimal damage to the electronic equipment on board. (Excerpts from *Broadcasting Magazine*)

## PROFESSIONAL ANNOUNCEMENT

David Willow is now the Chief Engineer at WTFX FM; he is no longer the Chief Engineer of WMAD AM/FM.

The FCC dismissed with prejudice the applications of Verona Parque Broadcasting and Soncomm, Inc. in an application hearing for the new FM channel in Verona, WI. The commission granted motion for a summary decision by Janice and Ronald Fedler, General Partners. The air hazzard issue was resolved in General Partners favor.

Control operator frequency privileges for Novice and Technician Operator Class in the 80 meter amateur service band have been relocated. The 50 kHz segment at 3700-3750 kHz has been relocated to the segment at 3675-3725 kHz.

**BURT YOUNG**  
Regional Sales Manager

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Midwest District Sales Manager

## SATELLITE OUTAGES

### PREDICTED SOLAR SATELLITE OUTAGES FOR EARLY 1991


by Tom Weeden

The sun will pass directly behind the various geosynchronous satellites on March 4, 1991 in the Madison area. These eclipses can temporarily disrupt reception of satellite signals.

Signal degradation may occur between February 26 and March 9, for up to 5 minutes either side of the "eclipse" time listed for each satellite. Times were calculated using the program "SUNOUT.EXE".

SATELLITE	LONGITUDE	ECLIPSE TIME
SPACENET 2	69x	10:38
SATCOM F2	72x	10:52
GALAXY 2	74x	11:00
SATCOM K2	81x	11:32
SATCOM F4	82x	11:36
TELSTAR 302	85x	11:50
SPACENET 3	87x	11:59
GALAXY 6	91x	12:16
GALAXY 3	93x	12:25
TELSTAR 301	96x	12:39
WESTAR 4	99x	12:52
ANIK 1	104x	13:15
ANIK 2	110x	13:41
SPACENET 1	120x	14:26
WESTAR 5	122x	14:34
TELSTAR 303	125x	14:47
SATCOM F3	131x	15:14
GALAXY 1	134x	15:27
SATCOM F1	139x	15:49

# AMATEUR RADIO NEWS



**RICHARD WOOD**  
PRESIDENT

BROADCAST  
MICROWAVE  
LAND MOBILE

---

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## RADIO

By Stan Sarch

15 Nations and 2 broadcasting unions at CCIR have tentatively agreed on spectrum that will be used for Digital Radio. CCIR is the technical arm of the International Telecommunications union.

Approximately 60 MHz at 1500 MHz is agreed to be available for the new service. Some land mobile interests such as Motorola are opposed to the allocation.

Japanese Corporation NHK will feature 6,000 square feet of exhibits at the spring NAB in Las Vegas. NHK will show a new digital FM multiplexing system as well as the largest ever HDTV demonstration.

The FCC has relaxed a 1989 rule that effectively increases power limits for such unlicensed services as college radio stations and travel information services.

The commission had originally required compliance with Part 15 rules for such devices.

(Excerpts from Radio World)



by Tom Weeden, WJ9H

A bill to prevent the loss of amateur radio spectrum to other services has been introduced into the US House of Representatives.

HR 73, the "Amateur Radio Spectrum Protection Act of 1991," proposes to amend the Communications Act of 1934, prohibiting reallocation of amateur spectrum after January 1, 1991, or to provide equivalent replacement spectrum. Hams will be watching its progress, as it could force a stop to the upcoming reallocation of 220-222 MHz, should it pass in Congress.

The bill has been referred to the House Committee on Energy and Commerce.



The new FCC rules forming the new "codeless" Technician class license take effect Thursday, February 14. The USA will join several European and Asian nations which have had a codeless VHF license for some time.

The American Radio Relay League (ARRL) was considering challenging some of the aspects of the new rules, but decided in late January to support the FCC action.

ARRL promises to welcome all new hams "into the fold," in contrast to a few individual amateurs who threaten to boycott any Technicians who obtain their licenses without passing the Morse code exam.

With the conflict in the Persian Gulf in progress, there had been some question about whether hams would be forced off the air, as they had in World War II.

However, thanks to a rule change in December, amateur radio stations are no longer required to automatically shut down in time of war or national emergency.

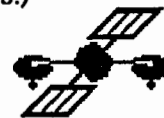
However, the FCC still reserves the right to do so should conditions warrant.

Soviet cosmonaut Musa Manarov, U2MIR, operating from the MIR space station, is now on the air with packet radio. A packet radio experiment was delivered to the space station in January.

The system has been permanently installed, and includes a voice synthesizer to transmit in English, Russian, and German.

MIR's high-inclination orbit makes it accessible to amateurs around the world. Running 20 watts on 145.550 MHz, signals from the space station are very strong and can be received on an ordinary scanner.

(From February 1991 *QST* magazine and the WD9ESU packet radio BBS.)




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**JOHN CROOKS**  
Vice President



# WBA 1991 ENGINEERING SESSIONS

by Chris Cain

Plans are underway for the third annual Wisconsin Broadcasters Association (WBA) Summer 1991 Engineering sessions!

Date: 07/17/91 (Weds)

Place: Stevens Point Holiday Inn

Time: 8:30A- 5:00P

Registration fee: \$35.00

(This includes post session WBA activities: Exhibits, Dinner & Entertainment)

Initial plans call for papers on Fiber Optics, STL's, Digital Audio Systems, and much more. A panel discussion is planned to deal with EBS, Hazardous Materials and additional topics relevant to all Broadcasters.

Members of all four Wisconsin chapters of the SBE are involved in the planning of this summer conference. A SBE meeting is slated during the luncheon break. Pre-registration and on-site registration will be offered.

More information to follow as we get near the July sessions. Mark July 17th on your calendar now!

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## POSITION AVAILABLE

Wisconsin Public Television currently has an opening available for an Associate Media Specialist (also referred to as Master Control Operator). This position is based at the Telecommunications Operations Center (TOC), Madison, Wisconsin. This position is responsible for the timely presentation of programs and promotional sequences that are scheduled for broadcast/cablecast over Wisconsin Public Broadcasting facilities. It is a full-time (100%) fixed-term position available April 1, 1991. This is an internship position and is renewable on an annual basis for a maximum of three years. The salary is \$15,885/yr. plus fringe benefits. Contact Marie McKersie at (608) 263-2114 for further information and required application forms. Applications due by February 28, 1991.



## CHAPTER 24 SUSTAINING MEMBERS

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Stan Scharch  
and  
WMSN TV 47,  
Kerry Maki

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## CERTIFICATION FEE INCREASE

by Steve Zimmerman

The Executive Committee, at its January meeting in Washington D.C., approved a new fee schedule for all levels of the SBE Certification program.

The new fee schedule was recommended by the SBE certification committee. The new schedule will be effective for all examinations taken after the 1991 SBE National convention in Houston, Texas.

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The SBE Certification program is recognized as an industry standard in Professional Accomplishment. The SBE represents over 6000 professionals in the communications field.

The next locally administered Exams will take place in June of 1991. Contact Certification Chairman Doug McDonell at 222-1580.

JEFFREY M. CLARINE  
CENTRAL REGION SALES MANAGER



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## CHAPTER 24 NEWSLETTER

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Contributors this month: Chris Cain, Leonard Charles, Jim Hermanson, Kevin Ruppert, Stan Scharch, Fred Sperry, Doug McDonell, Tom Weeden, and Steve Zimmerman.

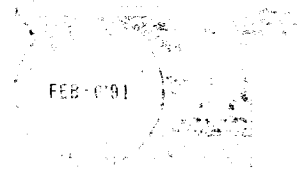
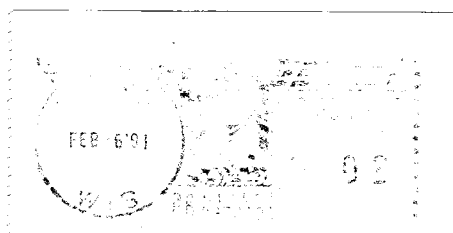
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(hard copy or ASCII text message on BBS at 608-274-7776)

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### CHAPTER 24 NEWSLETTER

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