

SOCIETY OF BROADCAST ENGINEERS

CHAPTER  24

AN AWARD WINNING NEWSLETTER

MADISON, WISCONSIN

MARCH 1991

FEBRUARY 1991 MINUTES

Chapter 24 of the Society of Broadcast Engineers met on Wednesday, February 13, 1991 at the Wilson Street Grill for its regular monthly meeting. There were 25 members present, including 17 who were SBE certified, and 2 guests.

Chairman Steve Zimmerman called the meeting to order at 7:15 p.m..

Secretary Tom Weeden read the minutes of the January meeting. Vice-Chairman Jim Hermanson then read the minutes of the February 7 officer's meeting.

Treasurer Fred Sperry reported the chapter's account balance and announced that he had put together a balance sheet for 1990 which would be available for inspection in the chapter's display case.

Tom Weeden announced the names of the two newest members to Chapter 24, Mark Fazio of WKOW-TV and John Bauer of WTDY/WMGN.

Certification and Education Chairman Doug McDonnell announced the upcoming exam dates to be June 7-21 (application deadline April 15), October 4 at the SBE National Convention in Houston (deadline August 15), and November 8-18 (deadline September 13). The new exam fees will be in effect for the November sessions. The specific date for a local exam is set as convenient for the examinees and Doug.

Frequency Coordination Chairman Chris Cain has uploaded the most recent auxiliary frequency list to the local SBE bulletin board system. He also reported not much

new activity for frequency coordination.

Chapter Liaison Chairman Paul Meyer reported no new contacts with area chapters. Art Osborn from La Crosse announced that the chapter there is working on a new slate of officers and is attempting expansion.

In old business, Chris Cain announced the date for the summer WBA conference to be Wednesday, July 17. The Stevens Point conference will have a \$35 registration fee, and all four Wisconsin SBE chapters will be involved.

There was no new business.

After a round of introductions of those present, Program Chairman Kevin Ruppert announced that the date of the March meeting has been

(cont'd pg. 2, col. 2)

MARCH PROGRAM

DATE: MARCH 19, 1991

AT: MPI FILM AND VIDEO

2987 Yarmouth Greenway Dr.

(exit beltline on south Fish Hatchery,

turn right onto Hwy. PD, turn right at Yarmouth Greenway)

TIME: 6:00 P.M.

Chapter 24 and the Madison chapter of the International Television Association (ITVA) are co-sponsoring this month's program on disc-based technology. Kirk Paulson of Roscor will be demonstrating the EMC2, a computer-driven off-line editing system that performs digital edits on an optical disc. Ray Mandli of Mandli Communications will be discussing the uses of discs in designing and delivering interactive instruction.

Because of this special joint program, the Chapter 24 business meeting will be held as a luncheon meeting at a later date. Chairman Steve Zimmerman will be announcing the date and location.

UPCOMING MEETINGS

April 23, 1991

May 22, 1991

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FCC NEWS

(The Chapter 24 Newsletter continues its search for a new FCC News columnist. If you are interested, please contact the editor by March 30.)

by Leonard Charles

The FCC is being asked to initiate a rulemaking toward adoption of three-degree spacing of C-band satellites. General Instrument and 11 other manufacturers of home satellite equipment argue that wider spacing would allow higher power birds to reach smaller dishes (4 feet or less), thus boosting the market for home sales of satellite equipment.

The Commission has granted a one-year waiver of the telco-cable cross ownership rule to Pacific Bell. PacBell built a cable system for Palo Alto, CA and had asked for an 8 year waiver so that it might hold a promissory note on the sale of the system. The Commission granted one year so that service would not be disrupted during the transfer of the system from PacBell to Cable Communications Cooperative for 18.7 Million.

In the opinion of the FCC, the application of syndicated exclusivity rules to home satellite program distribution would be technically and economically infeasible. The formulation of a response was mandated by the Satellite Home Viewers Act of 1988.

The National Rural Telecommunications Cooperative (NRTC) has again filed complaints with the FCC against satellite carriers of distant signals charging price discrimination against home satellite wholesalers. The NRTC claims rates 460% to 800%

higher than those charged cable operators for same programming by various satellite distributors.


Citing a 1987 drug trafficking conviction of its principal owner, a FCC Administrative Law Judge has revoked the license of WKSP AM radio in Kinstree, S.C. The now dark day-timer was purchased in 1979 for \$200,000 by Gregory Knop.

The FCC is considering a ban on the use of vacant UHF TV channels for auxiliary services. One of those uses is LPTV STL frequencies. The NAB is arguing such use could cause interference to established full power TV service.

The use of active line 22 in the broadcast TV signal as an ad tracking system is being considered by the Commission. Airtrax of Burbank,

(cont'd pg. 3, col. 1)

JEFFREY M. CLARINE
CENTRAL REGION SALES MANAGER



LDL COMMUNICATIONS INC.

LDL COMMUNICATIONS, INC.
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FARMDALE, MN 55021
TELEPHONE (651) 332-4703
FAX (651) 332-4705

MINUTES

(from pg. 1)

changed to March 19 to accommodate a program on non-linear disk-based editing. The time and place of the meeting will be announced in the March newsletter.

The meeting adjourned at 7:33 p.m.,

Kevin Ruppert then introduced Jim Engeseth of Dane County Emergency Management, who conducted a tour of the Dane County 911 Center.

Tom Weeden, Secretary

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

CHAPTER 24 COMMITTEE APPOINTEES

Past President - Denny Behr
Membership - Dave Gertsch
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



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WKOW TV

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JOHN CROOKS
Vice President

FCC NEWS

(from pg. 2)

CA is petitioning such use.

The Commission has dismissed an indecency complaint against Public Radio's "All Things Considered" for playing a recorded phone conversation of alleged mobster John Gotti that contains the "F" word at least 10 times. The Commission has twice before declined to create an exemption for news of its indecency enforcement.

WLUP AM, Chicago was assessed a \$6000 fine for three segments of its Steve and Gary show broadcast in August 1987 and March 1989. The FCC order said that the broadcasts fit squarely within the Commission definition of indecency.

As the result of calls from listeners, the FCC has informed KSHE FM radio of St. Louis that an investigation is underway to determine if the station violated rules prohibiting "false or fraudulent signals of distress or communications".

It seems that morning DJ John Ulet took it upon himself to broadcast a simulated EBS tone along with sound effects of exploding bombs while saying the US was under nuclear attack. He said he did it to demonstrate the seriousness of nuclear war to callers demanding the US "nuke" Iraq.

Many listeners took it for real and complained to the station management, who disavowed any pre-knowledge of the broadcast. The GM began airing a public apology within hours of the broadcast.

Excerpts from *Broadcasting Magazine*

**FIELD TRIP
SATURDAY MARCH 23**

Chapter 24 is taking a field trip to stations WTMJ-AM/WKTI-FM/WTMJ-TV in Milwaukee on Saturday, March 23. The tour is scheduled to begin at 10:00 a.m. and will be led by a member of the WTMJ staff.

The radio facilities of WTMJ and WKTI were remodeled in 1988/89, and WTMJ was recently toured by the Milwaukee SBE Chapter.

Chapter 24 will be carpooling to the site. For more information contact Kevin Ruppert at 271-4321.

**WTSS AM
1070**

**Z104
FM**

SONY

Kevin Pesham
Account Manager
Broadcast Products Division

Sony Communications Products Company
1200 North Arlington Heights Road
Boca, Illinois 60143
Telephone (808) 271-3776
(708) 773-8046

Service Center (708) 773-6337
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Steve Peck
Sales Representative

ROSCOR

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Madison, WI 53704
Phone: 608-242-1575

**CALL FOR
NOMINATIONS**

It's almost time for the annual election of the Chapter 24 officers. Nominations can be made by the person interested in an office or by any other Chapter 24 member. Nominations for the following positions are now being accepted and must be submitted by March 19, 1991:

- Chairman
- Vice-Chairman
- Secretary
- Treasurer

To be elected to one of these offices, the nominee must:

- 1) show interest in the position.
- 2) be willing to fulfill the duties
- 3) be a member in good standing of Chapter 24
- 4) submit a short biography to:
Doug McDonell
2830 Waubesa Ave.
Madison, WI 53711

Elections will be held at the Chapter meeting on April 23, 1991.

**PROFESSIONAL
ANNOUNCEMENTS**

Jim Hermanson is now working as a maintenance engineer at WKOW-TV.

John Beck is now working part-time as an operations engineer at WKOW-TV.

AMATEUR RADIO NEWS

BURT YOUNG
Regional Sales Manager

BTS BROADCAST TELEVISION SYSTEMS, INC.
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Rosemont, IL 60018

(708) 622-6980
TELEFAX: (708) 622-6827

RADIO

by Stan Scharch

The NAB Radio Board has endorsed the Eureka 147 DAB system as the standard for North America. NAB also plans to continue its opposition to satellite DAB systems. The FCC sees some advantages to satellite DAB however. Testing of E147 in Washington and Boston is delayed due to interference concerns.

Two additional DAB systems are now being considered by the NAB DAB task force. They are:

1. "Coded Polyvector Modulation," an in-band FM-compatible system. It places a digital signal "under" an existing analog FM carrier.

2. "Wireless Digital Cable Radio," a system that uses 2 transmitters on 2647 and 2658 MHz along with Digital Cable Radio from General Instrument for a total of 16 channels delivered into the home.

The first system reportedly has the backing of several large radio groups. The second system was demonstrated in Mexico City in February.

The much anticipated Phillips Digital Compact Cassette (DCC) was introduced at the Winter CES show. The new digital tape format uses a standard Phillips audio cassette and will playback both analog and digital recordings. Other products of interest included CD recorders from Kenwood and Pioneer.

Excerpts from *Radio World*

by Tom Weeden, WJ9H

The FCC has issued Notices of Apparent Liability to Monetary Forfeiture to the originator of a business message into the national packet-radio BBS system and to some SYSOPs of those BBSs. The message in question promoted the use of a "900" number to facilitate the business affairs of the sponsor, and it had nothing to do with amateur radio...both violations of FCC rules.

QST Magazine reports that packet BBS SYSOPs are in a quandary. There's little sympathy for the originator of the message, but holding downstream BBS operators responsible for message content is seen as contrary to FCC policy in 1986, when unattended packet operation was permitted.

European and American hams played an important part in keeping information channels open in Vilnius, Lithuania as Soviet troops and tanks entered the capital city in January.

As the army silenced broadcast radio and television transmitters, amateur operators operated from the Lithuanian Parliament building on battery power, allowing Lithuanian officials to reach the western press and other governments of the world with their version of the invasion. A document to create a "Government in Emigration" was relayed via amateur radio to the US State Department.

The 80-meter Novice band will slide 25 kHz effective March 16, 1991. The change, intended to reduce the amount of mutual interference between US and Canadian hams, moves the band from 3700-3750 to 3675-3725 kHz.

From March 1991 QST Magazine

Milwaukee
Madison
Chicago

VIDEO IMAGES

Jim Braun
District Sales Manager
Video Images, Inc.
2137 S. Staughman Road • Madison, WI 53716-2851
(608) 221-8888

BROADCAST STATION TOTALS

The following is the total number of broadcast stations licensed by the FCC as of January 31, 1991:

AM RADIO	4986		
FM RADIO	4402	UHF LOW POWER TV	629
FM EDUCATIONAL	1442	VHF LOW POWER TV	192
TOTAL	10830	TOTAL	821
UHF COMMERCIAL TV	564		
VHF COMMERCIAL TV	553		
UHF EDUCATIONAL TV	229		
VHF EDUCATIONAL TV	124		
TOTAL	1470		
FM TRANSLATORS & BOOSTERS	1874		
UHF TRANSLATORS	2256		
VHF TRANSLATORS	2709		
TOTAL	6839		

maney_logic

Software & Interfacing

Don Maney
Systems Designer

Denise A. Jones
Marketing/Sales

4636 Thurston Ln. • Madison, WI 53711-4767 • (608) 277-8001

CERTIFICATION UPDATE

by Doug McDonell

The exam dates and deadlines for upcoming SBE Certification exams are as follows:

June 7 through June 21, 1991

in Madison for Chapter 24. The specific date will be set to accommodate the schedule of those taking the exam. The deadline for applying for this exam will be April 15, 1991.

October 4, 1991

at the SBE National Convention in Houston. Application deadline is August 15, 1991.

November 8 through the 18, 1991

in Madison. Again, the specific date will be set to accommodate those taking the exam. Application deadline is September 13, 1991.

Fees for examination for the June and October exams are \$30.00 for members and \$60.00 for non-members. The non-member fee includes the first year's SBE membership dues.

After the SBE National Convention, there will be an increase in the fees for Certification Exams. The new fees will be:

Broadcast Technologist	\$ 35.00
Broadcast Engineer	50.00
Senior Broadcast Engineer	75.00
SBE Professional Broadcast Engineer	100.00

According to Helen Pfeifer at the SBE National Office in Indianapolis, the new fees will apply to the November exam, even though the application deadline is in September.

Certification booklets and application forms are available from Doug McDonell. Call 222-1580 and one will be sent or delivered to you.




Cellular One

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Christina Roth
Account Executive
Mobile (608) 575-ROTH (7684)

1702 West Beltline Highway
Madison, WI 53713

Office: (608) 263-0010

PROUD?

Any members that have received certification certificates directly from the SBE National office and would like them presented at a chapter meeting, please contact Doug McDonell at 222-1580.

Panasonic

MII

Panasonic Broadcast Systems Company
Division of Matsushita Electric Corporation of America

425 E. Algonquin Rd.
Arlington Heights, IL 60005
(808) 493-2619
(708) 861-7325

HERB VAN DRIEL
midwest district sales manager

SONY 6800 CG CROSSTALK?

by Dan Maney of maney_logic

A modification to video monitoring circuits of the Sony 6800 VCR is successful in preventing bleed thru of TAPE REMAIN character generator information onto the recorded tape.

At WKOW, one model of a camera had bleed thru of the CG portion of return video even with a new cable, and gain boost would amplify the crosstalk. In other equipment, a slight cable problem could result in a faint image of TAPE REMAIN in recorded video.

By reducing the luminance of the CG window background and filtering off the sharpness of the CG characters, all symptoms have ceased. A resistor and capacitor tacked onto the VO-11 board did it.

Call maney_logic at (608) 277-8001 with your address for free details.

FM MODULATION MEASUREMENT

Info by Doug McDonell

Recently, the FCC clarified the measurement of FM modulation and the enforcement of applicable Commission rules in response to several inquiries from FM broadcasters concerned with compliance.

The confusion concerning modulation measurement is linked to the introduction of new modulation measurement technology. In the era of deregulation, the FCC does not necessarily require a licensee to employ modulation monitors, nor does it evaluate or endorse any particular manufacturer's monitoring equipment. The Commission has found, however, that despite technical differences in monitoring equipment, all commercially manufactured monitors produce results which agree with the Commission's rules.

The Commission has found that where a properly installed, maintained and operated commercially manufactured monitor has shown that a transmitter is being properly modulated, Commission measurements have shown comparable results. Similarly, where Commission measurements have shown overmodulation, the commercial monitors also indicate the same overmodulation.

Simply put, overmodulation, when it occurs, is therefore considered the result of licensee action and not the result of differences in the technical design of monitoring equipment.

1121 RIVERWOOD DRIVE
DUPREVILLE, MN 56337
(612) 890-8520



EMMONS ASSOCIATES, INC.

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CHAPTER 24 SUSTAINING MEMBERS

- Cellular One
- Panasonic Broadcast
BTS
- Emmons Associates
- Skyline Communications
- Broadcast Communications
- LDL Communications Inc.
- Roscor Corporation
- Sony Broadcast
- Video Images
- Sarch Electronics
- WMSN TV 47
- WKOW TV
- WISC TV
- WMTV TV 15
- Maney Logic
- WTSO/WZEE Radio

TORNADO SPOTTER TRAINING

The National Weather Service and Dane County Emergency Government will sponsor two tornado spotter training sessions in Madison during the month of March:

SESSION ONE: Wednesday, March 6 at 7:00 PM
Stoughton High School, 600 Lincoln Ave.

SESSION TWO: Wednesday, March 13 at 7:00 PM
Waunakee High School, 100 School Drive

These free sessions will last about 90 minutes and will include materials.

CHAPTER 24 NEWSLETTER

Edited by: Deanna Morris

Contributors this month: Leonard Charles, Jim Hermanson, Kevin Ruppert, Dan Maney, Doug McDonell, Stan Scharch, and Tom Weeden

Articles Welcome!! Send correspondence to: Chapter 24 Newsletter, 50 Schroeder Ct. #108, Madison, WI 53711 or call 608-271-3347 (home) 608-274-1234 (work)

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

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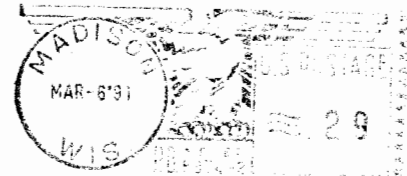
IT'S ON FOX 47 MADISON!



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CHAPTER 24 NEWSLETTER

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MADISON, WI 53711



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