

CHAPTER 24

SOCIETY OF BROADCAST ENGINEERS
AN AWARD WINNING NEWSLETTER

MADISON, WISCONSIN

MAY 1991

APRIL 1991 MINUTES

Chapter 24 of the Society of Broadcast Engineers met on Tuesday, April 23, 1991 at Alexander's Restaurant in Madison for its regular monthly meeting. There were 20 SBE members present, 14 who were SBE certified, and no guests.

Chairman Steve Zimmerman called the meeting to order at 7:00 p.m.. Secretary Tom Weeden read the minutes to the March meeting, and the minutes were approved as read. Weeden also gave a brief summary of the April 9th officer's meeting.

Treasurer Fred Sperry reported the chapter's account balance. He also announced that the chapter's 1990 financial statement would be available at the next meeting. Also, in response to a question about the IRS, the chapter will probably not have to report 1990 income due to its non-profit status.

Certification and Education Chairman Doug McDonell announced that John Beck is a new member of Chapter 24.

Steve Zimmerman announced that the deadline for submissions for the May newsletter is May 1.

Doug McDonnell presented a Senior Broadcast Engineer certification for AM/FM to Jim Hermanson.

Kevin Ruppert reported that Frequency Coordinator Chris Cain had received a complaint of STL interference to WREX-TV in Rockford. He also reported that Madison has been declared a "congested area" in the FCC's STL

MAY MEETING

DATE: MAY 22, 1991

DINNER: 5:30 P.M.

AT: **ALEXANDER'S SNAP SHOTS**

5614 Schroeder Rd.

PROGRAM & MEETING: 7:00 P.M.

AT: **WISC-TV**

7025 Raymond Rd.

In the program portion of this month's meeting, we will have an opportunity to see the Sony Digital Library Management System in operation at WISC-TV and discuss the LMS and D2 tape recording. We also want to find out at the meeting or via phone how many people would like to join the Eau Claire SBE chapter in a tour of the 3M plant in Menominee, Wisconsin on the evening of Thursday, May 30. 3M manufactures laser video discs and also compact discs from tape at this facility. We will be taking a show of hands at the meeting to see how many would like to go on this car pool trip. If you are interested in going but cannot attend this month's meeting, call Kevin Ruppert at WISC-TV (271-4321, during business hours).

UPCOMING MEETINGS

June 20

July 23

August 21

decision, but for the time being, the requirement to install type "A" STL antennas is on hold.

Chapter Liaison Chairman Paul Meyer has contacted the various Wisconsin SBE chapters and is now receiving newsletters from all of them.

Sustaining Membership Chairman Leonard Charles reported that the chapter continues with 17 sustaining members.

Strategic Planning Chairman Denny Behr announced the date

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

IN THIS ISSUE

AMATEUR RADIO NEWS.....2

by Tom Weeden

LOCAL LEGALS.....3

Info by Doug McDonell

RADIO.....3

by Stan Sarch

FCC NEWS.....5

by Leonard Charles

PLUS

1991 Convention Scholarship

SBE Job Line

Equipment Exchange

AMATEUR RADIO NEWS

(Take Note: Hams can talk to other SBE members on the second Sunday of every month on the upper sideband of 14.205 MHz at 0000 Zulu—7 p.m. CDT)

by Tom Weeden

The FCC received 313 applications for the new "codeless" Technician license in February, the first month that it became effective. The new license class gives full VHF privileges without the requirement of a Morse code exam.

Hams in some metropolitan areas were the recipients of surprise FCC inspections as part of what the Commission called a "power audit." Each field office was asked to locate six amateur stations and request the operators to make contacts with other stations on "high power," then on "low power," to determine the difference in signal strength.

A ham in suburban Detroit reports that two inspectors came to his house because of his "prominent antenna." He made a contact using 80 watts, then another with 50. The inspectors thanked the operator and left, leaving only their FCC business cards.

FCC officials say the "visits" are part of a program to gather data on various services and to educate its licensees, presumably about the rule that requires the use of minimum power necessary to maintain communications.

Third District Representative Steve Gunderson of Wisconsin has become a cosponsor to H.R. 73, the "Amateur Radio Spectrum Protection Act of 1991." As of April 2, the total number of cosponsors was 56.

The House bill proposes to provide replacement amateur radio spectrum for any that was reallocated to another service.

NASA's Mission Control reported that the five-ham astronaut crew of STS-37 was able to hear the ham cosmonaut of the Soviet MIR space station on 2 meters while both spacecraft were in orbit. NASA said that a two-way contact attempt was not successful.

(Excerpts from May 1991 "QST" Magazine)

AT&T - PANASONIC - S.W. BELL
TELEPHONE SYSTEMS

Scharch Electronics Company

2521 Whitlock Road
Madison, WI 53719
(608) 271-1600

TODD COMMUNICATIONS

Ron Yokes
Regional Sales Manager

6545 Cecilia Circle
Mpls., MN 55439
612-941-0556
Fax 612-941-0940

612 Port Washington Road
Grafton, WI 53024
414-375-9555
Fax 414-375-1198



RICHARD WOOD
PRESIDENT

BROADCAST
MICROWAVE
LAND MOBILE

1965 WEST RIDGE ROAD P.O. BOX 51
COTTAGE GROVE, WI 53527 (608) 839-4075

Wisconsin School of ELECTRONICS
1801 N. SHERMAN AVENUE, MADISON, WISCONSIN 53704 • PHONE 608/249-8611

RONALD AXELSEN
CAREER DEVELOPMENT COORDINATOR
608/249-6611
1-800/792-3505 Ext. 358



A Division of Herzing Institute



CHAPTER 24 OFFICERS

CHAIRMAN:

Jim Hermanson (WTSO/WZEE/
WKOW TV)
W - 274-1234
H - 231-2005

VICE CHAIRMAN:

Leonard Charles (WISC TV)
W - 271-4321
H - 274-0041

SECRETARY:

Fred Sperry (WI Public TV/TOC)
W - 273-5500
H - 833-6074

TREASURER:

Paul Stoffel (WI Public TV)
W - 263-2121
H - 241-4621

CHAPTER 24 COMMITTEE APPOINTEES

Past Chairman - Steve Zimmerman
Membership - John Beck
Sustaining Membership - Stan

Scharch
Strategic Plan - Denny Behr (Chair)
Newsletter - Deanna Morris
Program Chairman - Dave Willow
Special Events - Kevin Ruppert
Cert/Ed - Doug McDonell/Tim

Trendt
Frequency Coord - Chris Cain
Chapter Liaison - Paul Meyer

Cellular One
The Mobile Telephone Company

Christina Roth
Account Executive
Mobile (608) 575-ROTH (7664)

1702 West Beltline Highway
Madison, WI 53713

Office (608) 283-0010



1121 RIVERWOOD DRIVE
BURNSVILLE, MN 55337
(612) 890-8820

EMMONS ASSOCIATES, INC.

KEITH EMMONS

LOCAL LEGALS

Info by Doug McDonell

The Chief Allocations Branch, Policy and Rules Division, Mass Media Bureau has proposed amending the FM Table for Sun Prairie and Mauston, Wisconsin and Freeport, Illinois (MM Docket 91-104, DA 91-413; comments June 10, replies June 25).

In Sun Prairie, Channel 221B1 would be substituted for Channel 221A, and the license of WMAD-FM would be modified accordingly.

In Mauston, Channel 275A would be substituted for WRJC-FM's Channel 221A. In Freeport, Channel 295A would be substituted for WFPS-FM's Channel 221A. WRJC and WFPS have been ordered to show cause of why they should not operate on the new channels.

On March 22, 1991 the FCC's Mass Media Bureau reinstated Mayville, Wisconsin broadcast station WWRS-TV Channel 52 (Wayne Raymond Stenz, d.b.a. Pacer Television Company). WWRS's call sign has been restored, and its petition for reconsideration, which was filed February 27, has been granted. (Construction permit BPCT-860804K0 to replace expired construction permit.)

The Commission has received and accepted an application from WYKY-FM 100.5 MHz (Beaver Dam Broadcasting Company, Inc.) in Columbus, Wisconsin to change its ERP to 6 KW (H & V).

RADIO

by Stan Scharch

Comments filed with the FCC generally support avionics receiver minimum standards. This is in response to a December petition for rulemaking, submitted by Texas radio consultant John Furr. Furr is asking the FCC to set minimum interference standards for Avionics receivers aboard aircraft. This should, in the opinion of many, reduce some of the confusion over FAA concerns about possible EMI from proposed FM and VHF-TV applications.

Morningside, Maryland radio stations WPGC(AM) and WPGC-FM are planning to test several different in-band DAB systems on the air. Strother communications, owner of the AM/FM combo, would like to test on the FM station, with AM being a "PHASE II" test.

In-band DAB developer Ted Schober of Radiotechniques is asking the FCC for a freeze on new FM allocations and upgrades. Schober says he wants to ensure there will be enough FM spectrum available for in-band DAB.

(Excerpts from *Radio World*)

WISC 3 TV

SONY

Kevin Peckham
Account Manager
Broadcast Products Division

Sony Communications Products Company
1200 North Arlington Heights Road
Itasca, Illinois 60143
Telephone (808) 271-3778
(708) 773-5046
Service Center (708) 773-6037
Emer. Tech. Assist. (201) 633-9533
National Parts Center (800) 538-7550

JEFFREY N. CLARINE
CENTRAL REGION SALES MANAGER



LDL COMMUNICATIONS, INC.

LDL COMMUNICATIONS, INC.
21844 EVANS TRAIL
FARMHALL, MN 55023
TELEPHONE (807) 332-6783
FAX # (807) 332-6785

MINUTES

(cont'd from pg. 1)

for the 1991 Broadcaster's Clinic as November 6-8. He would also like input concerning the possibility of combining occasional SBE meetings with the International Television Association's Madison chapter.

There was no old business or other new business. Introductions of those present were then made.

Doug McDonell, representing the Election Committee, then began election proceedings. Ballots containing the names of those nominated by the Election Committee were passed out, and nominations for other candidates were taken from the floor. No new nominations were made. The vote for officers was taken and counted during the meeting's program.

Program Chairman Kevin Ruppert began the NAB wrap-up program.

Following the program, in professional announcements, Denny Behr announced that John Reuter had been promoted to maintenance engineer at Wisconsin Public Television's TOC. Todd Hausser, a student at UW-Platteville, announced that he is looking for an engineering position upon his graduation in May.

Denny Behr, representing the Election Committee, announced the results of the vote for officers: Chairman, Jim Hermanson; Vice-Chairman, Leonard Charles; Secretary, Fred Sperry; Treasurer, Paul Stoffel. The meeting was then adjourned.

Tom Weeden, Secretary



SCHOLARSHIP

This year Chapter 24 would again like to assist one of its members in attending the SBE National Conference in Houston by awarding \$300 in the form of a scholarship to that person. The scholarship will be awarded on the basis of the following criteria and maximum number of points accumulated:

- 1) Attendance at 6 of the 12 meetings prior to July 31, 1991.
- 2) Non-Management employment in a broadcast related facility.
- 3) Must have SBE National dues paid for 1991.
- 4) The four elected Chapter 24 officers are not eligible.
- 5) Points will be assigned as follows:
 - a) 5 points for each month you have at least one article published in the Chapter 24 newsletter
 - b) 5 points for certification
 - c) 2 points for each monthly meeting in excess of the 6 required

Final selection will be by the four elected officers of Chapter 24. An alternate will also be selected based on the second highest number of points. The scholarship winner will be required to report on the convention to the chapter during the following monthly meeting and write a summary article to be published in the chapter newsletter.

Application is required in the form of a letter, signed, dated and received no later than July 31, 1991. Send yours to:

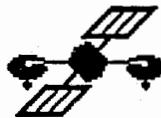
Leonard Charles
WISC TV Engineering
7025 Raymond Road
Madison, WI 53719


NATIONAL SBE EMPLOYMENT SERVICE JOB LINE (317) 253-0474

The National Chapter of SBE now has a job line available free to SBE members. The job line lists employment opportunities across the country, including basic details about positions, locations and desired qualifications.

Each listing has a job number. By using this number, SBE members can obtain more detailed information about a listing from the National office.

Employers are also welcome to use the SBE job line. Openings for broadcast and media related technical positions can be listed for a nominal fee. Contact the SBE National office at (317) 253-1640.





GORDY DAILEY
BROADCAST SALES

ELECTRONIC INDUSTRIES INC.
19 E. IRVING AVE. • P.O. BOX 286 • OSHKOSH, WI 54902
distributors of electronic equipment and supplies

PHONES: 414 236-0030
414 739-0980
FAX: 414 236-4233

IN-STATE WATE:
1-800-445-0222
OUT OF STATE WATE:
1-800-666-0222

Panasonic

MII

Panasonic Broadcast Systems Company
Division of Matsushita Electric Corporation of America

425 E. Algonquin Rd.
Arlington Heights, IL 60005
(800) 483-2619
(708) 961-7325

HERB VAN DRIEL
midwest district sales manager

CHAPTER 24 SUSTAINING MEMBERS

Our newest sustaining member is:

TODD COMMUNICATIONS
Ron Yokes

Electronic Industries
Wisconsin School of Electronics
Maney Logic
Scharch Electronics
WMSN TV 47
WKOW TV
WISC TV
Cellular One
Panasonic Broadcast
BTS
Emmons Associates
Skyline Communications
Broadcast Communications
LDL Communications Inc.
Roscor Corporation
Sony Broadcast

POSITION SOUGHT

Certified May graduate of UW-Platteville is looking for an entry-level Broadcast Engineering position. Prefer maintenance, but not limited to. Gives attention to details.

Todd W. Hausser
423 Wilgus Hall
Platteville, WI 53818
(608) 342-3342

IT'S ON FOX 47 MADISON!



7847 Big Sky Drive Madison, WI 53719 608-833-0047

FCC NEWS

(Editors note: The Chapter 24 newsletter is still looking for a new FCC News columnist. If you are interested, please contact the editor.)

by Leonard Charles

The FCC imposed a \$2000 fine on WVIC-FM, Lansing, Michigan for a September 1989 broadcast of its morning show where host Rich Micheals invited callers to suggest alternate headlines for a tabloid story of a man who lost a testicle down a hot tub drain during his honeymoon. The responses, though creative, will not be reprinted here.

Also fined for indecency was KCNA-FM, Cave Junction, Oregon, for two separate incidents totaling \$4000. One segment contained off color Liberace jokes and the other included repeated use of the "F" word.

The Commission is preparing to raise caps on the ownership of radio properties. The current cap is 12 AMs and 12 FM's. In addition, the rules on duopoly could be repealed or relaxed allowing the owning of AM-AM or FM-FM in the same market.

This summer, the FCC plans to address Television's structural regulation system. Similar to what is being considered in Radio, Multiple

ownership rules will be looked at as well as the prohibition against crossownership of TV stations and Cable systems in the same market.

A \$25,000 fine was levied on Galesburg Broadcasting Co., licensee of WGIL-AM and WAAG-FM, Galesburg, Illinois and KMDC-AM and KLIK-FM, Fairfield, Iowa for unauthorized transfer of control and transfer to a foreign controlled entity.

The broadcasting company was 75% owned by Galesburg Printing and Publishing which, due to litigation, had its trustees appoint a Bank of Montreal as trustee. GBC did not file for transfer of control. In assessing the fine, the Commission said that had the transfer of control been filed, it would have been denied.

The FCC and FAA have announced the two entities have reached agreement on EMI effects on avionics by AM, fixed microwave, and fixed cellular transmitters. Conspicuously omitted from the agreement was FM transmitters, the heart of the FCC-FAA dispute.

The indecency and obscenity complaint against WGBH-TV Boston, for broadcasting sexually explicit photographs by Robert Mapplethorpe during its 10 o'clock news has been dismissed.

The FCC said the broadcast occurred after 10 p.m., and due to a

BURT YOUNG
Regional Sales Manager

BTS BROADCAST TELEVISION SYSTEMS, INC.
A Joint Company of Bosch and Philips

One Corporate Towers
10800 West Higgins Road
Suite 222
Rosemont, IL 60018

(708) 803-8060
TELEFAX: (708) 803-8627

stay in the US Court of Appeals, the Commission has no jurisdiction on obscenity after 10 p.m..

The FCC has informed Emmis Broadcasting that its St. Louis station KSHE-FM is apparently liable for a forfeiture of \$25,000 for broadcasting a false emergency alert that the US was under Nuclear attack.

Noncommercial KYQX-FM of Weatherford, Texas was fined \$3000 for repeated violations of the FCC's underwriting announcement rules. The station exceeded the sponsor identification-only requirement and promoted the sale, service and goods of various supporters.

The FCC has adopted rules requiring that by July 1, 1993, TV sets 13 inches and larger be capable of decoding closed-captioned transmissions.

The Mass Media's enforcement bureau has been charged with the task of investigating possible violations of KROQ-FM of Pasadena, California.

The morning DJ team developed an on-air bit called "Confess Your Crime" where listeners were invited to call in and confess their personal crimes. A supposed listener confession involved the killing of his girlfriend. The caller was actually a friend of the DJs, and the call was staged.

The story, along with the on-air tape, was eventually picked up and aired on NBC's Unsolved Mysteries

(Excerpts from Broadcasting Magazine)

ROSCOR

Steve Peck
Sales Representative

Roscor Wisconsin
2510 Green Ridge Drive
Madison, WI 53704
Phone: 608-242-1575

maney_logic

Software & Interfacing

Dan Maney
Systems Designer

Denise A. Jones
Marketing/Sales


4535 Thurston Ln. • Madison, WI 53711-4767 • (608) 277-8001

Your Complete Source for Turn-Key Tower Systems

Broadcast Communications

P.O. Box 131
Verona, WI 53593
Bus. (608) 845-6755
FAX (608) 845-5413

JOHN CROOKS
Vice President



EQUIPMENT EXCHANGE

..... TRANSMISSION LINE

1400 feet of used DIELECTIRC 6 1/8 INCH COAX for sale. 20 foot sections, Marman clamp flanges, elbows—all crated and ready to go. Some sections may need replacement innards. Asking \$300.00 per section/elbow. Contact Deanna Morris, WKOW-TV, (608) 274-1234.

.....

This equipment exchange area is dedicated primarily to individual SBE members and local area broadcast or telecommunications stations who have equipment for sale or trade.

If you have one or several items that you would like to list here, please contact the editor with your information. All notices will be accepted on a first-come, first serve basis, and the line length of each notice will be limited according to space available. Each notice will be posted for one month; if you wish to have your notice re-posted, you must re-submit your information to the editor. And, best of all, listing your items here is FREE!!

CHAPTER 24 NEWSLETTER

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

Edited by: Deanna Morris

Contributors this month: Frec Baumgartner, Chris Cain, Leonard Charles, Jim Hermanson, Kevin Ruppert, Doug McDonell, Stan Sarch, Tom Weeden and Steve Zimmerman.

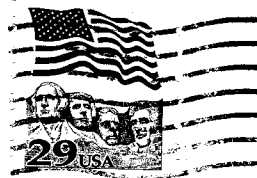
Articles Welcome!! Send correspondence to:

Chapter 24 Newsletter
 50 Schroeder Ct. #108
 Madison, WI 53711
 or call 608-271-3347 (home) 608-274-1234 (work)

The Chapter 24 Newsletter is edited on a Macintosh using Aldus Pagemaker

CHAPTER 24 NEWSLETTER

50 SCHROEDER CT. #108
 MADISON, WI 53711



Tom Weeden 1
 6802 Putnam Road
 Madison, WI 53711

WISCONSIN BROADCASTERS ASSOCIATION
SUMMER ENGINEERING SEMINAR
AND STATEWIDE SBE MEETING

WEDNESDAY, JULY 17th, 1991
AT
WBA SUMMER CONVENTION
HOLIDAY INN-STEVENSON POINT, WI
(on Highway 51 North)

JOIN YOUR ASSOCIATES AT THE WBA SUMMER CONVENTION FOR A FULL DAY OF TECHNICAL SEMINARS DESIGNED TO ADDRESS ISSUES OF CONCERN TO BOTH ENGINEERING AND MANAGEMENT. A UNIQUE FEATURE WILL BE THE FIRST-EVER LUNCHEON MEETING OF ALL FOUR WISCONSIN SBE CHAPTERS, WITH SPECIAL GUEST SPEAKER

STEVE INGRAM
EXECUTIVE DIRECTOR OF THE SOCIETY OF BROADCAST ENGINEERS

SEMINAR TOPICS WILL INCLUDE: The new STL rules for TV, presented by Andrew Corporation; Satellite remote control of broadcast facilities, by National Supervisory Network; Digital Audio Update, by Sony Corp.; A look behind the scenes at the Brewers satellite network, by WTMJ; and a full afternoon of discussions/presentations on safety related issues of interest to all broadcasters, including RF radiation limits, OSHA requirements for materials chemicals commonly found in the broadcast plant, PCB disposal update, tower safety issues, and a detailed look at the latest interpretations of the Rules concerning EBS and what might be done to improve operation of our local and state emergency warning systems. There will be plenty of opportunity for questions and general discussion of the topics.

Registration for the full conference is just \$40, which includes the full day of technical sessions, the SBE Lunch with Steve Ingram, Exhibits, Reception, and the WBA Opening Banquet. Or, if you prefer, attend only the conference sessions and the SBE luncheon for \$20.

To register, send your check for \$40 or \$20 per attendee before June 30, 1991 to:

Wisconsin Broadcasters Association
44 East Mifflin Street, Suite 205 Madison, WI 53703

Note: On-site registration will also be available, but please call WBA to reserve your place
(608) 255-2600

WBA ENGINEERING SEMINAR REGISTRATION FORM

Name: _____ Station: _____
Address: _____

- () Enclosed is \$40.00 for Full registration, Lunch, Exhibits, Reception, Dinner
- () Enclosed is \$20.00 for seminar registration and Lunch only

Please duplicate this form for additional registrations!

ATTENDANCE AT THIS SEMINAR WILL EARN CREDITS FOR SBE RECERTIFICATION