

## NATIONAL NEWS

By Paul Stoffel

The following questions were directed to John Poray, CAE, Executive Director, SBE.

*Is the FCC looking for an outside agency to administer their licensing exam?*

**Poray:** The FCC is inviting organizations outside the Agency to administer Commercial Radio Operator License Exams. The SBE Board has discussed the possibility of doing this and, through, our General Counsel, Chris Imlay, is notifying the FCC of our interest. The word from the FCC is that probably several organizations will eventually be granted the authority to provide these exams.

*What should SBE members do when filling out their Application for Recertification?*

**Poray:** When filling out the recertification application, please give as much detail as possible. Also send with your application a brief description of your current job duties. We need to know as much information about you as possible. Some applicants feel they should not have to fill out a complete application, however you are the best person to tell SBE what you've been doing with your certification the last five years.

*When will the SBE Bookstore open? How about the SBE BBS?*

**Poray:** The SBE Bookstore will open in March. In your copy of the next "Signal," you will find a three page spread introducing the books available and an order form. The "Signal" should be to you [soon], depending on the efficiency of the mail system. We are currently trying to line up a computer to handle an SBE BBS System in our office. Although not a huge expense, it is one that is not currently budgeted. However, we are working two different leads to get the equipment donated.

*Continued on page 2, PORAY*

## WKOW-TV USES ORBAN 275A

By Jim Hermanson

Conversion of a television station to stereo can be a major project, especially if the station's roots have grown monaurally for several years. With the management decision to add another channel of audio (go stereo), the engineering staff of WKOW-TV embarked on a voyage of activities that has lasted for months. I had originally planned to write about some of the highlights of the conversion with which I assisted, but after starting this, I soon realized that I could probably write a novel on the experience. Therefore, I've decided to focus on one of the stars of the conversion, namely the automatic stereo synthesizer. At WKOW, this device was installed relatively painlessly and has helped keep our operators away from the aspirin bottle since.

The chosen unit at WKOW is the Orban 275A. It has been installed as a permanent part of the audio air chain. There, a major function of this device is to correct for those occurrences when only one audio channel can be fed to the transmitter.

With the 275A, automatic stereo synthesizing/switching can be set with a rear panel switch to trigger on one channel (L or R) only, or one channel only or electrical mono. We chose the one channel only mode. This was so that electrical mono center channel dialog during true stereo programming would not cause the unit to annoyingly and erroneously toggle between synthesized and true stereo when effects come and go.

In addition to automatic stereo switching and synthesizing, the 275A has a few other features. The synthesized mode can be set for wide or narrow comb filtering separation effects with

*Continued on page 5, ORBAN 275A*

## MARCH MEETING

DATE: Tuesday,  
March 23, 1993

AT: CJ's Restaurant  
In the Westgate Mall

DINNER: 5:30 p.m.

MEETING: 7:00 p.m.

PROGRAM at

Grassland: 7:45 p.m.

SBE National Liaison Terry Baun will be in attendance at our meeting to discuss important issues and to answer any questions. Baun will be attending the next National SBE Board meeting in Las Vegas during NAB.

## Update of EBS Database

In a March 3, 1993 letter mailed to broadcasters, Alan Wohlferd, Wisconsin Division of Emergency Government, asks, "[We] are in the process of updating the State EBS Plan and need to verify or correct the information in our database." The letter requests information about power levels, hours of operation, rough contour map, CPCS-1 reception and more. "The Division is aiming for an April or May test." Broadcasters will be notified of the date, but won't know the exact time "to protect the realism" of the test. Wohlferd states, "We had an 80% commitment during the test last March [1992]." Call 608-266-1892 if you have questions.

In other EBS news, a *Radio World* article reads, "The FCC will be field testing the proposed replacements for the current EBS technology over the next several months."

# Poray

Continued from page 1

Has the SBE filed comments to the FCC regarding EBS?

**Poray:** SBE filed comments with the FCC on January 15, 1993, regarding the proposed changes in the EBS System.

[Here is] the Summary page that was a part of the filing: The Society of Broadcast Engineers, Incorporated (SBE), submits its comments in response to the Notice of Proposed Rule Making/Further Notice of Proposed Rule Making proposing certain revisions to the EBS rules.

SBE contends that more wide-ranging reforms are necessary, in order to better integrate the emergency news dissemination arrangements for EBS into the daily operation of the mass media facilities.

EBS should no longer be viewed as a "fire extinguisher on the wall" program, but instead an integrated program with local emergency and disaster relief organizations intercommunicating in a data and voice network with broadcast and cable facilities.

The EBS alerting device should be microprocessor based, and should include diagnostic and operational information to non-technical operating personnel through computer terminals, and should be capable of automatic logging information.

Among SBE's other suggestions, the EBS should be in a "web" configuration (such as the arrangement now in operation in Colorado) rather than a "domino" configuration, and the alerting devices should be switchable to avoid reliance on a single alerting source, should the primary station not be available during emergencies.



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Ned White  
Branch Manager

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FAX: 414-476-4949

# GLOBAL PROJECT

By Jean Muehlfelt

**Broadcast Communications** recently designed and shipped Phase I of a special electronic system for a government in Africa. The system is now in full operation. The Design of Phase II is also complete and ready for shipment.

Since this type of electronic system has never been used in the United States, a joint effort of engineers from around the country met via telephone to discuss the project.

The challenges were numerous including language barriers, power voltage and frequency differences between the two countries, linking portable satellite telephones and installation at 3:00 a.m. Central Standard Time.

Phase II includes two large permanent electronic installations, controlled by a microwave tower system. Personnel from Broadcast Communications will be traveling to Africa to supervise the project.

*Editor's note: Jean Muehlfelt is Marketing Director for Broadcast Communications. This press release has been carefully worded to protect personnel while in Africa.*

## Students Apply for SBE Membership

Three University of Wisconsin - Platteville students were introduced during Chapter 24's February business meeting and program. They are applying for the status of student membership with the SBE.

The students, enrolled in Platteville's Broadcast Technology Management program are: Kurt J. Miller, Neenah, WI; James William Stelplflug, Monona, WI; and Andrew Thomas Rothschild, Watertown, WI.

## CHAPTER 24 OFFICERS

### CHAIRMAN:

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

### VICE CHAIRMAN:

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

### SECRETARY:

Fred Sperry (WI PublicTV/TOC)  
W - 264-9600  
H - 833-6074

### TREASURER:

Paul Stoffel (WI Public TV)  
W - 263-2175  
H - 241-4621

## COMMITTEE APPOINTEES

**Program Chairman and Past Chapter Chairman:**  
Steve Zimmerman

**Membership:** Leonard Charles

**Sustaining Membership:** Stan Scharch

**Strategic Plan:** Dennis Behr

**Special Events:** Kevin Ruppert

**Certification and Education:** Doug McDonell  
Tim Trendt, Platteville

**Freq. Coordinator:** Tom Smith  
work 608-263-2174  
home 608-837-2729

**Chapter Liaison:** Steve Peck  
608-246-9797

**National SBE Liaison:**  
Terry Baun  
5300 W Garfield Avenue  
Milwaukee, WI 53208  
414-449-5300 (voice)  
414-449-5380 (fax)

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The Department of Communication, UW-Platteville is sponsoring a symposium titled the:

## Future of Broadcast Entities

Wednesday, March 31, 1993, on the Platteville campus. Everyone associated with the broadcast media recognizes the rapid changes taking place daily in our industry. The purpose of this Spring Symposium is to focus on some of these changes as viewed by individuals on the leading edge of these technological changes.

Four one-hour presentations are scheduled from mid-morning to mid-afternoon in the Television Production Center in Russell Hall. Speakers and their topics are:

**John D. Casey, R.E. America (Radio Data Systems Technology), Westlake, OH;**  
**"RDS/RBDS Technology Overview and Interface Application"**

**David Felland, Director of Engineering & Operations, Channels 10 & 36, Milwaukee, WI;**  
**"High Definition Television"**

**Ralph E. Evans III, Evans Associates of Thiensville, WI;**  
**"Concept for a Statewide Distance Education Network"**

**Richard Strauss, Sony Business and Professional Group, Itasca, IL;**  
**"The ABC's of Digital Television Compression"**

As March 31 is rapidly approaching, please make note of the day on your calendar immediately, and inform others who should also be in attendance. Registration for the symposium is \$10.00 per participant, which includes a soup and sandwich buffet lunch. For reservations, send a check to:

**Department of Communication  
 UW-Platteville  
 1 University Plaza  
 Platteville, WI 53818**

## CALL FOR NOMINATIONS

*Submitted by Denise Maney*

The 1993 Nominating Committee is now accepting applications for the four elected offices of SBE Chapter 24, including Chairman, Vice-Chairman, Secretary and Treasurer. Interested persons are asked to submit a brief biography and indicate the position of interest. Applications can be up-loaded to the Chapter 24 BBS, attention: Denise Maney.

Or, submit by mail to a nominating committee member:

- Denise Maney 4535 Thurston Lane, Madison, WI 53711-4767
- Steve Zimmerman, 161 Paoli Street, Verona, WI 53593-1322
- Mark Croom 34 Rustic Pky, Madison, WI 53713-4700.

The deadline for nominations is March 26. Elections will be held Tuesday April 27. Elections will be held at the April Chapter meeting.

## WMAD UPGRADE DISMISSED

By Tom Smith

Shortly before the Bank of Sun Prairie took over WMAD from First Choice Communications, a petition was filed by First Choice Communications with the FCC for an upgrade of its allocation to class B-1 (25 kw at 100m). In order to upgrade, they proposed that two other stations on 92.1 Mhz change frequency. One station in Mauston was to change to 102.9 Mhz and the other station in Freeport, Illinois, would change to 106.9 Mhz.

A counterproposal was filed by Dennis and JoAnn Best to allocate 102.9 Mhz to Reedsburg. The FCC accepted the counterproposal and 102.9 Mhz was allocated to Reedsburg, thus causing the denial of the petition by First Choice Communications. The filing window for 102.9 Mhz in Reedsburg closes on March 29, 1993. This also closes another chapter in the WMAD story.

### SONY

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Dan Maney  
 Systems Designer

Denise A. Jones  
 Marketing/Sales

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**FINANCIAL STATEMENT**

by John Poray, Executive Director, SBE

The Society of Broadcast Engineers closed 1992 with net revenue on both the National and Convention financial statements. SBE national net revenue was \$8,878.01. It was budgeted to make \$49,367. The SBE Conventions net revenue, as of year end, was \$9,658.61. It was budgeted to make \$8,989. After the close of 1992 business, an additional \$16,000 in net revenue will be earned by SBE on the 1992 Convention, due to late exhibitor payments. That will make the final net revenue of the convention to be over \$25,000.

From Chapter 43, Sacramento

**ENNES SESSIONS**

• The SBE will be holding Ennes sessions at South Bend, Indiana in early May and at St. Louis on June 19th. The Phoenix chapter has also asked to hold an Ennes Workshop this fall, November 12th. Both South Bend and St. Louis are within reasonable driving distance.

**SBE DAY AT NAB**

• The SBE board will meet next at NAB on Sunday, April 18th at 9:00AM at the Las Vegas Hilton. As always, all members are welcome to attend. Remember that "SBE Day" at NAB '93 is Tuesday, with certification exams at 1 PM, the SBE Membership Meeting at 4:30, and the Chapter Chair Meeting at 5:30. NAB will sponsor an EBS exhibit at NAB '93 in Las Vegas. In addition, an EBS Summit Conference is scheduled as part of the "SBE Day" seminars on Tuesday April 20th at 2:30PM.

**CHAPTERS VISITED**

• John Poray, SBE Executive Director, visited the Michigan Broadcasters Association/SBE Winter conference in Lansing and also traveled (at chapter expense) to visit SBE members in Alabama, West Virginia, and St. Louis. Late last year he visited chapters in New York State. Area Liaison Rep Terry Baun visited the chapter meeting at Rockford, IL last month, and traveled to Minneapolis for the Minnesota chapter meeting at the MBA/SBE Engineering Conference held on February 8th.

From Chapter 28, Milwaukee

**CHAPTER 24 ARCHIVES**

By Leonard Charles, Membership

The newly created Chapter 24 database is taking shape. To date, there are 2366 entries of meetings/member information dating back to January of 1980. There is, as yet, no data available for any meetings prior to 1980 and there is missing data on 51 meetings between 3/80 and 3/87. If anyone comes across any data sheets for meetings during these times, please forward them to me and I will expand the database.

Some interesting tidbits from the data thus far include the attendance figures of members. Members having attended the most meetings from 1980 to present are:

Tom Smith	92 meetings
Leonard Charles	81 meetings
Doug McDonell	72 meetings
Herb Jordan	68 meetings
Steve Zimmerman	66 meetings
Jim Hermanson	64 meetings
Fred Sperry	54 meetings
Neal McLain	52 meetings
Kevin Ruppert	51 meetings

There were many interesting meeting programs over the past 13 years but one stands out in light of what may soon become a reality. The first Chapter 24 meeting program on the proposed candelabra was on October 2, 1984. My how time flies!

**RADIO...**

Compiled by Stan Scharch

• Several Radio Broadcast Data System (RBDS) radio receivers were displayed at the Winter Consumer Electronics Show in Las Vegas last month. While many receiver manufacturers showed interest in RBDS, little interest in NRSC compliant AMAX radios was evident. There

was only one AMAX radio displayed, although Delco Electronics reportedly has some production models.

• The International Radio Consultative Committee (CCIR) has deferred making a decision on a single worldwide digital audio broadcasting (DAB) standard. USA Digital presented a paper along with a demonstration to CCIR Working Group 10B in Los Angeles in January. CCIR Working Group 10B was formed to coordinate the implementation of a worldwide standard for terrestrial DAB. USA Digital is developing an in-band on-channel DAB system. The European Broadcasting Union (EBU) has endorsed Eureka 147 technology that requires new spectrum. NAB has adopted in-band technology as the standard for the U.S.

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# ORBAN 275A

Continued from page 1

the amount adjusted by a front panel recessed pot. from zero (pure mono) to maximum (big Lissajous ball). Synthesized operation has been demonstrated to cause little, if any perceived effect to mono viewers. Open ended noise reduction can be selected in the synthesized mode to provide approximately 10 dB of noise reduction. In the non-synthesized mode ("Bypass"), the unit performs as a wire with the exception of passing the audio through an inverted phase detector. This detector also functions in the synthesize mode and acts to correct accidental phase reversals from canceling out mono viewers. These noise reduction and phase inversion detection functions can easily be turned off if desired, but there appears to be little reason to do so. Additionally, the 275A can be remotely controlled with an optional Orban remote panel or an automated external device.

Overall, the unit has functioned quite well and better than we had expected, especially after hearing several horror stories about other synthesizers. This device probably works about as well as any machine can for this kind of thing. Within a fraction of a second it detects single channel programming and makes synthesized stereo from that, and works just as quickly switching back to the "Bypass" mode when true stereo reappears. It's so fast in switching that it's practically inaudible (assuming that the missing channel doesn't contain excessive extraneous noise). We run most programming through it in the 2 channel "Bypass" mode and only synthesize programs that have been recorded on only one channel and can't be split into mono. It's comforting to know that this box is in line to catch any one channel or phase reversal errors. The device sets up easily. We've had no reason to change any of the factory preset internal pots. The 275A can be operated manually or automatically. In the automatic mode, we've found that it can simply be left alone and forgotten.

Finally, thanks to all of the other stations and SBE friends that I've talked with around Wisconsin as we were researching the feasibility of this unit. I'd be glad to share more of our experiences with you or anyone as well.

# FCC to Set AM Stereo Standards

By Tom Smith

The FCC is in the process of adopting rules that establish a stereophonic standard for AM broadcasting. This rulemaking is mandated by Congress under Section 214 of the Telecommunications Act of 1992. The Act requires that the FCC start rulemaking proceedings within 60 days of the enactment of the law and adopt a standard within one year. The Act was signed on October 27, 1992.

In 1982, the FCC allowed AM stations to offer stereo service, but did not select a standard from the five competing systems. Fearing potential lawsuits from the losers, the commission decided to let the marketplace decide the standard.

Three systems made it on the air. They were the Motorola, Kahn and Harris systems. Shortly thereafter, Harris modified their system to be compatible with the Motorola system.

According to the FCC, there are approximately 660 stations on the AM band broadcasting in stereo with 591 of them using the Motorola system. Of the rest, 37 are using the Harris compatible system and less than 20 are using the Kahn system.

The FCC states that there have been 24 million receivers from 26 manufacturers produced using the Motorola system and Kahn systems. Currently, there are no receivers being made that decode the Kahn system. Also, six countries have adopted the Motorola system including Japan. No nation has adopted the Kahn system.

Because of these facts, the FCC has decided to adopt the Motorola system as the AM stereo standard. The FCC feels the selection of any other system would be both costly to broadcasters and too time consuming. The marketplace has determined the system.

The FCC is proposing that one year after the new AM stereo rules take effect, stations using the Kahn and Harris systems must cease their operation. They are seeking information on the compatibility of the Harris system with the Motorola system. If it is determined that the Harris system is compatible, then the FCC will allow its continued use. Also as a condition to being selected, the FCC is proposing that Motorola will be required to license its patents under fair and reasonable terms.

The synopsis of the rulemaking was published in the January 21 issue of the Federal Register. Comments are due April 5 and reply comments by April 20.

## HAMS TALK SBE

HAMNET, the SBE "Chapter of the Air" celebrated its 50th consecutive month on February 14th. Rick Farquhar reports that 20 to 25 chapters check in each month. Hal Hostetler (WA7BGX)

of the Tucson Chapter is the Control Station. HamNet meets the second Sunday of each month at 0000 GMT on 14.205 Mhz. It's a great opportunity for hams to make contacts and keep up with SBE business at the same time. *From Chapter 28, Milwaukee*

**TODD** COMMUNICATIONS

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Regional Sales Manager

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NEAL McLAIN

## News from Chapter 28 Milwaukee

*Terry Baun, Newsletter Editor*

● A local firm called Dist-Tron, Inc. has been chosen as the only Wisconsin-based distributor for a major portion of the Tektronix Test and Measurement product line. The firm, based in Menomonee Falls, will handle and stock digital and analog scopes, accessories and bench test equipment. Neal Schroeder is the manager, and can be reached at 414-781-7770.

● It is likely that the Federal Communications Commission will continue to have problems finding enough money to meet its basic needs. Furloughs will most likely be necessary during '93, and the Commission's bureaus are struggling for ways to creatively fund their efforts.

Specifically, there are a number of ideas about how to get the private sector to pay more of the costs of regulation. Will the FCC's Field Operations Bureau gain the flexibility to allow payment by private parties on a per diem basis for certain services? Or will a continuing focus on ethics in government and accompanying strict regulations prevent them from regulating to the best of their ability? Or, for broadcasters, will an increasingly aggressive Field Operations Bureau be paying more visits to stations in search of fine-able violations?

## Rulemaking on Cable Compatibility with Consumer Electronics

*By Tom Smith*

Under the directive of the Cable Act of 1992, the FCC has started an inquiry on the compatibility between cable and consumer equipment. The FCC is seeking information on making it easier to connect VCRs and TVs to cable TV systems. There are questions on remote control problems and what cable ready means. Also, the FCC is seeking information on alternative systems for cable operators that would include protection against unauthorized reception, yet maintain easy connection to the system by consumers.

*Published in the Federal Register on February 5. Comments are due March 22 and reply comments on April 21.*

## Apply for June Certification Exam

The next opportunity to take a SBE Certification Exam is June 4 - 14, 1993. Deadline for application to take an exam at that time is April 2, 1993.

You can obtain certification on four different levels, Technologist, Engineer, Senior Engineer, and Professional.

The Technologist level can be obtained by test, or by presentation of a copy of your General FCC License or Amateur Extra Class License and an application.

Engineer and Senior Engineer levels are obtained by testing with 5 years and 10 years of experience required respectively. At those levels you have a choice of AM/FM or Television.

The Professional level is obtained with 20 years of experience and by passing the Senior level test.

The certification exams are open book, multiple choice, with a three hour time limit.

Study guides can either be borrowed from Chapter 24 or purchased from the SBE National.

An SBE/National Public Radio Certification Course is available from the National SBE. The Course material consists of a workbook and accompanying audiotapes plus review exams.

The Course will prepare you to test for the Broadcast Technologist level as well as a review for the Broadcast and Senior Broadcast levels for Radio. The cost is \$150 for SBE members.

**Doug McDonell, 222-1580, is the Certification/Education chairman for Chapter 24.**

**Tim Trendt at the University of Wisconsin - Platteville can also provide certification information.**



**WKOW TV**  
MADISON

## CHAPTER 24 SUSTAINING MEMBERS

**OUR LATEST RENEWAL:  
WMTV 15**

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Teleport Minnesota  
Emmons Associates  
CTI**

**Panasonic Broadcast  
Comark Communications  
WMSN 47**

**Broadcast Communications  
BTS**

**Skyline Communications  
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**Fuji Film I&I**

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Stan Scharch

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FAX (708) 803-8627

# CALENDAR

## WISCONSIN BROADCASTERS ASSOCIATION SUMMER ENGINEERING SEMINAR and STATEWIDE SBE MEETING

Wednesday, July 14, 1993

Interlaken Lodge in Lake Geneva, Wisconsin

The cost of registration is \$25.00 for sessions and lunch, or \$40.00 for sessions, lunch, exhibits, reception and WBA Opening Banquet.

## SOCIETY OF BROADCAST ENGINEERS 1993 NATIONAL CONVENTION and BROADCAST ENGINEERING CONFERENCE

Wednesday September 29 through Saturday October 2

MIAMI BEACH, FLORIDA

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PRE-CONVENTION ENNES ENGINEERING WORKSHOPS WILL BE CONDUCTED BY FACTORY REPS IN MIAMI ON THE DAY PRECEDING THE SHOW.

## THE UNIVERSITY of WISCONSIN BROADCASTERS CLINIC 1993 and UPPER MIDWEST REGIONAL SBE CONFERENCE

Tuesday November 9 through Thursday November 11

Holiday Inn Southeast, Madison, Wisconsin

# AMATEUR RADIO NEWS

By Tom Weeden, WJ9H

● The American Radio Relay League (ARRL) has petitioned the FCC for changes in amateur radio rules regarding digital transmissions on the high-frequency (HF) bands. Current rules only allow for unattended or automatic operation of digital communications at VHF and above. The February 1 petition from ARRL asks for permission to permit automatic control of data and radioteletype emissions in certain portions of amateur bands below 30 Mhz. This has been a touchy subject in the past year...packet radio operators have been seeking greater flexibility in operating computer-controlled equipment automatically, while operators of traditional modes worry that computer-controlled equipment will cause unintentional interference.

● The FCC has fined a South Carolina amateur \$10,500 for willful and malicious interference. The ham was monitored by the FCC's Kingsville, Texas office on the 20 meter band. The base fine of \$7,000 was raised to the five-figure amount, according to the Commission, because of repeated rule violations.

● Amateurs provided the sole communications link for a time in the community of DeLuz, California following recent heavy rains. DeLuz, located midway between San Diego and Los Angeles, lost all power, telephones, and water, and all major roads were blocked by flooding. George Shippey, N6YMH, began running emergency communications from DeLuz via a repeater autopatch in nearby Fallbrook. Other amateurs established communications for the local fire department, sheriff's office, Red Cross, and FEMA. The Oceanside Blade-Citizen, an Oceanside, CA newspaper, quoted a fire official, "Once again, the hams come through and save the day. They're the ones to rely on when all the copper wires and cell phones go down."

(From March 1993 QST and Badger State Smoke Signals)



## LOCAL LEGALS

Submitted by Doug McDonell

- Application granted to FM broadcast station, WNNO-FM, 106.9 Mhz. Voluntary transfer of control of Armada Broadcasting Company, Inc., Wisconsin Dells, WI, from Jerome A. Gerke to L. Robert Van Genderen.



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PRESIDENT

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# February Minutes

Chapter 24 of the Society of Broadcast Engineers met on Wednesday February 17, 1993 for its regular monthly meeting at the Wisconsin Public Broadcasting Center in Madison. The attendance of the February meeting included 27 SBE members, 17 who were certified, and eight guests for a total attendance of 35.

Chairman Jim Hermanson called the meeting to order at 7:20 PM. Secretary Fred Sperry read the minutes from the January meeting. The minutes were approved as read.

Treasurer and Newsletter Editor Paul Stoffel reported the Chapter's account balance. Paul then mentioned that the Chapter's annual financial report for the past year is complete and is available for inspection. A copy has also been forwarded to the National Office.

Membership and Vice Chairman Leonard Charles announced that the Chapter currently has 69 official members and that 160 newsletters are currently being sent out. He then mentioned that any perspective members names can be forwarded to him. In Sustaining Membership Chairman Stan Scharch's absence, Leonard announced that the Chapter currently has 23 sustaining members.

Following a recent inquiry, Leonard brought up the subject of allowing commercial entities to advertise in the Chapter 24 newsletter. Discussion of this subject followed.

Program Chairman Steve Zimmerman then announced several upcoming meeting events. Special Events Committee Chairman Kevin Ruppert mentioned that some plans were in the works for a future sign-on breakfast.

Certification and Education Chairman Doug McDonell then presented Jim Hermanson with his certificate for both the Senior Broadcast TV and Senior Broadcast AM/FM Certification. Doug then announced the local exam period June 4 through 14. The application deadline for this exam is April 2nd.

Chapter 24 Frequency Coordinator Tom Smith updated local frequency coordination activity and made mention of the FCC's plans to adopt the C-Quam transmission system as the standard for AM stereo.

Chairman Jim Hermanson then mentioned that he had recently spoke with Chapter 24's National Liaison Terry Baun regarding some issues taking place at a National level and mentioned that Terry plans to talk with our Chapter at the March meeting to discuss a variety of National issues.

Nominations Committee Chairman Steve Zimmerman announced that the Committee will be taking nominations for this April elections

until the end of March.

There was no old or new business.

In personnel and professional announcements, Tim Trendt introduced several guests in attendance at the meeting from UW-Platteville. Tim then also mentioned an upcoming symposium taking place at UW-Platteville on March 31st.

In other personnel announcements, Bob Anderson announced that he was now working at American Audio Systems in Milwaukee.

Chairman Jim Hermanson then asked that anyone who has any program ideas or would be interested in doing a program for the upcoming Broadcasters Clinic in Madison should contact him.

The meeting was adjourned. Program Chairman Steve Zimmerman presented James Lloyd of CI Studios and John Reuter of Wisconsin Public Television who did a presentation of the Video Toaster.

—Secretary, Fred Sperry

<ul style="list-style-type: none"> <li>■ Turnkey tower installation</li> <li>■ 24-Hour Emergency Repair</li> <li>■ AV/RM Broadcast Consulting</li> </ul>	<ul style="list-style-type: none"> <li>■ Tower Management Services</li> <li>■ Antenna and Line Installation</li> <li>■ Tower Maintenance &amp; Service</li> </ul>
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**SBE Chapter 24 Newsletter**

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**It's time to renew your membership in the Society of Broadcast Engineers. To keep moving forward, SBE needs your continued support -- both at the National and at the local Chapter 24 levels.**

**Newsletter edited by: Paul Stoffel    Typist: Joanne Stoffel**  
**Contributors this month: Tom Smith, Doug McDonell, Fred Sperry, Stan Scharch, Tom Weeden, Terry Baun, Jean Muehlfelt, Jim Hermanson, Paul Stoffel, Leonard Charles, and SBE Chapter 43 Sacramento**



# MARCH MEETING and PROGRAM

## Society of Broadcast Engineers CHAPTER 24 MADISON, WISCONSIN Tuesday, March 23, 1993

5:30 p.m. Dutch Treat Dinner at CJ's Restaurant  
Westgate Mall, Corner of Odana Road and Whitney Way

7:00 p.m. Business Meeting at CJ's

7:45 Program at Grassland Media, Inc., and Abraham Animation  
535 Science Drive  
608-238-7575

Visitors and guests are welcome at all our SBE meetings!

### **PROGRAM: Component Edit Suite Offers Quality on a Budget**

Grassland has completed the expansion of its new interformat editing suite into what was once the studio. The room has already been used for a number of broadcast and corporate video projects. Occupying the old edit suite is our new A/B roll Betacam SP component editing facility. By working in the component domain, this suite optimizes the quality of Betacam SP through multiple generations. The component suite is perfect for on-line editing of programs using cuts, dissolves, titles, and slo-mo. For additional effects and visual pizzazz, tapes prepared in the component suite can be finished to one-inch in the interformat suite. The component suite can be booked with a Grassland operator or without.

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### **UPCOMING PROGRAMS:**

- **April 27, 1993, Tuesday:** NAB REVIEW. Attendees will talk about what they found interesting at the 1993 NAB.
- **May 19, 1993, Wednesday:** Nuclear Accelerator in Oregon, WI. Ed Rowe will show our members some of the electronics behind the nuclear accelerator.

Program Chairman Steve Zimmerman