

WBA Engineers Workshop & Statewide SBE Lunch Meeting Report

by Chris Cain,
Engineering Workshop Co-Chair

Over one hundred persons attended the day long Engineering Workshop and Statewide SBE meeting on July 15th at the Chula Vista Resort in Wisconsin Dells.

The emphasis of the program was Cost Effective Engineering.

From the economies of using rebuilt tubes to how to save your station massive OSHA fines by meeting "Lockout/ Tagout procedures".

Basics of Digital Audio, Fiber Optics for remotes, Compliance with new FCC AM/ general power safety guidelines were just some of the session highlights.

Our guest speaker at the Statewide SBE meeting was Marvin Born who besides being on the SBE Board of Directors is Director of Engineering at WBNS, Columbus, Ohio. Marvin spoke to the "Entrepreneurial Engineer" and offered up many tips on how to make the Engineering Department a profit center. (See full story in the August newsletter.)

In addition, the 1992 Engineers Workshop meeting marked another first for the WBA Conference. Five SBE Chapters were represented, with the addition of the Rockford, IL chapter.

For the first time the entire conference was videotaped by WVTM. The separate presentations will be post produced to add the "visuals"

cont. on page 2, WBA/SBE

SEPTEMBER MEETING

DATE: Thursday, September 17, 1992
AT: Brat und Brau
6654 Mineral Point Road
(Corner of Grand Canyon Drive)
DINNER: 5:30 p.m.
MEETING & PROGRAM: 7:00 p.m.
SEE INSERT FOR DETAILS OF THE MEETING AND PROGRAM

SBE BBS MOVES TO NEW CHANNEL

by Jim Hermanson,
Chairman, SBE Chapter 24

This newsletter and this chapter have benefited greatly from the efficient modern computer communications technology provided by a certain Madison bulletin board service (BBS). For the past six years Dave Willow has generously allowed SBE members to access his personal home computer BBS. As more members have acquired personal computers, more messages and files have been exchanged locally and around the country. Recently, many of the articles that comprise this newsletter have been uploaded by the writers and then downloaded by the newsletter editor. The most sincere thanks go out to you Dave, for helping us to move into the new age of computer technology!

With the recent announcement of Dave's retirement as system operator, Chapter 24 was to lose its BBS. I learned of Dave's decision in a phone call from Chris Cain. That

cont. on page 7, BBS

UPCOMING MEETINGS

- Tuesday, October 20
- Wednesday, November 18
- Thursday, December 17

IN THIS ISSUE

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Jack Stiehl Inducted into the WBA Hall of Fame

by Paul Stoffel

At the 1992 Wisconsin Broadcasters Association (WBA) Summer Convention, John (Jack) Stiehl was inducted into the WBA Hall of Fame. The actual "builder" of the Wisconsin Public Radio as a network in the 1940s and 1950s, Jack Stiehl en-

cont. on page 5, Stiehl Inducted

CHAPTER 24's CLINIC SCHOLARSHIP

Chapter 24 is offering paid admission to the full UW Broadcast Clinic as this year's education scholarship. The scholarship will be awarded on the basis of the following criteria and maximum number of points accumulated:

- 1) Must be a current member of Chapter 24
- 2) Attendance at 6 of the 12 meetings prior to September 30
- 3) Employment in or a student of a broadcast related field
- 4) Must have SBE National dues paid for the current year

Points will be assigned as follows:

- a) 5 points for each month applicant has at least one article published in the Chapter 24 newsletter
- b) 5 points for certification, any level
- c) 2 points for each monthly meeting attended in excess of the 6 required

In the case of a tie, final selection will be by the elected officers of Chapter 24 or by a committee appointed by those officers, excluding any whom may have applied.

If more than one applicant, an alternate will also be selected based on the second highest number of points.

The scholarship winner will be required to write a Clinic summary article to be published in the chapter newsletter.

Application is required in the form of a letter, signed, dated and received by Leonard Charles at WISC TV no later than September 30.

MEMBERSHIP DATABASE

by Leonard Charles

On your mailing label attached to this newsletter, there is a code number at the upper right hand portion. Here is what that code number means to you:

- #0 = complimentary
- #1 = current paid member
- #2 = dues in grace period
- #3 = sustaining member
- #4 = special status

Complimentary status is re-evaluated periodically by the executive committee and could be eliminated at any time.

WBA/SBE

(cont. from page one)

and the programs will be made available to SBE chapters nationwide at no charge through the National office. We believe this is the first conference to be taped and made available under the new National SBE Educational Program.

The afternoon sessions concluded with a roundtable discussion featuring noted Consulting RF & Tower Engineers plus the Engineer in Charge from the Minneapolis FCC office joined in.

Be looking for specifics for the July 1993 WBA Engineers Workshop and Statewide SBE meeting in your local SBE Chapter Newsletter in early 1993. We will be in Lake Geneva in 1993!

Thanks to everyone who attended!

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H - 231-2005

VICE CHAIRMAN:

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

SECRETARY:

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

TREASURER:

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

COMMITTEE APPOINTEES

Program Chairman and
Past Chairman: Steve
Zimmerman

Membership: Leonard Charles

Sustaining Membership: Stan
Scharch

Strategic Plan: Dennis Behr (Chair)

Program Chairman: Steve
Zimmerman

Special Events: Kevin Ruppert

Cert/Ed: 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)

FCC NEWS....

by Leonard Charles and Paul Stoffel

Radio Ownership Modified Again

The FCC has revised its radio ownership rules in response to petitions for reconsideration. The national rules will permit ownership of up to 18 AM and 18 FM stations (with an automatic increase to 20 AM and 20 FM in two years) and will permit interests in an additional three stations controlled by minority group members or small businesses. The local rules will permit an owner to have up to 2 AM and 2 FM stations in markets with 15 or more stations. The limit for markets with fewer than 15 stations will be three stations, no more than two of which may be in the same service, provided that the group owner's stations represent less than half of the stations in the market. Noncommercial stations will not be counted in determining the number of stations in a market.

FCC Examines AM Bandwidth

Earlier this year, the FCC measured the signal characteristics of 174 AM broadcast stations to determine licensee compliance with FCC rules that limit how much spectrum AM stations can use. Ninety-four percent of the stations sampled were in compliance. The rules were modeled after standards established by the National Radio Systems Committee (NRSC).

Cable Shutdowns

The FCC issued a cease operations order to Northland Cable Television, in Brenham, TX, on January 23 and on February 13, the FCC ordered Berkeley Cable Communications of Falling Waters, West Virginia, to cease operations on cable channels 14 - 16 and channels 25 - 53. In both cases an inspection revealed signal leakage in excess of the FCC's standards.

CBer Busted

U.S. Marshals and engineers from the FCC's Philadelphia Office, confiscated the radio equipment of CB operator Gary Bond at his home in Wilmington, DE. The seized equipment included linear amplifiers capable of boosting transmitter power to 2,000 watts which is far above the legal 4 watt limit. The FCC had received a petition, signed by area residents, which stated that CB radio transmissions could be heard on their television sets and telephones.

Childrens TV Audit

On January 1, the FCC's rules implementing the Children's Television Act went into effect. On January 11 through 17, local FCC offices conducted an audit of children's television programming on 141 TV stations and 27 CATV systems. The stations and cable systems checked were not notified of the audit. Initial results show that at least ninety-five percent of the one-hour segments monitored clearly complied with the regulation.

Broadcast Stations Totals as of July 31, 1992

The FCC has announced the following totals for broadcast stations licensed as of June 30, 1992:

AM RADIO	4,971
FM RADIO	4,683
FM EDUCATIONAL	1,548
TOTAL	11,202

UHF COMMERCIAL TV	581
VHF COMMERCIAL TV	557
UHF EDUCATIONAL TV	236
VHF EDUCATIONAL TV	123
TOTAL	1,497

FM TRANSLATORS & BOOSTERS	1,901
UHF TRANSLATORS	2,394
VHF TRANSLATORS	2,509
TOTAL	6,804

UHF LOW POWER TV	804
VHF LOW POWER TV	463
TOTAL	1267

Broadcast and Cable Employment Report

The Commission has released the five year (1987-1991) minority and female employment trend reports for the broadcast and cable industries. The data are compiled from the Annual Employment Reports that broadcasters and cable operators file.

Total broadcasts employment for stations having five or more full-time employees declined from 1990. Female representation decreased from 39.4 percent to 38.2 percent and minority representation decreased from 17.5 percent to 17.3 percent. Of the full-time employees in the upper-four job categories (Officials and Managers, Professionals, Technicians and Sales Workers) women increased from 32.1 percent to 32.4 percent and minorities increased from 15.4 percent to 15.8 percent.

Overall cable employment increased at units having more than five employees. Total female representation increased from 41.4 percent to 41.8 percent while minority representation increased from 23.7 percent to 24.6 percent. Of the total employees in the upper-four job categories, females increased from 30.1 percent to 30.4 percent and minorities increased from 19.1 percent to 19.8 percent.

The 1992 national labor force included 45.4 percent women and 22.5 percent minority.

(excerpts from FCC Public Notices)



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RADIO....

by Stan Sarch

● The National Radio Systems Committee is voting on standards for RDS - the broadcast format ID option located on the 57kc FM subcarrier. A system for AM ID is also part of the standard.

● The FCC has relaxed its "hard look" policy for FM applications. In the past, the policy had not allowed for correction of defects in an FM application.

● The FCC says that stations are complying with NRSC standards. Out of 174 stations checked, 94 percent met the new guidelines that took effect in 1991.

● SCOOPMAN is a new digital audio tape recorder from Sony that is shirt pocket size and records 2 hours of 10 to 14 khz stereo audio on a postage stamp size tape.

● ABC news inaugurated its news wire service in August. The service offers news, entertainment, sports and weather to ABC affiliates.

● Veronis Suhler and Associates says radio advertizing sales are expected to grow at a 6.4% annual rate over the next 4 years. This prediction is about double the growth experienced in the last few years.

(excerpts from *Radio World*)

Newspaper Clipping

...TCI [Cablevision in Madison, Wisconsin] has filled its current capacity of 36 channels, said [TCI General Manager Maury Lee.] But in 2 to 4 years, TCI plans to install fiber optics that will expand its capacity to 54 channels initially and over 500 eventually, he said.

(excerpt from a story in *The Wisconsin State Journal* newspaper)

TV News....

by Kevin Ruppert


● As reported at the Chapter 24 monthly meeting in June, the first over-the-air test of an all-digital HDTV signal was conducted on, May 28 over WMVT, Ch. 36 in Milwaukee and received 75 miles away at Zenith Corporations technical center in Glenview, Ill.

Zenith and AT&T proved that the digital system can bring high definition pictures to a broader area then conventional TV broadcasting. Industry experts remark that, even without the HD aspect, the system represents a significant achievement. The test showed that the system's digital compression and transmission technologies can eliminate the "cliff effect," which is a total and abrupt loss of the picture and sound which could be caused by loss of data at long distances from the transmitter. The transmission also performed very well in the presence of adjacent channel transmissions which would cause interference in conventional TV.


● In other Advance TV news headlines, Japan is looking to develop a second generation digital transmission technology that could provide an image quality comparable to 70mm motion picture film. The Japanese Ministry of Post and Telecommunications is considering creating a development company to be called Digital Movies Laboratory and would concentrate on the development of what they have called "ultra-definition" television. Funding for the project could cost \$100 million.

Proponents of the plan are advocating a system which would be scalable, digital, and would encompass all broadcasting, telecommunications, computing and consumer electronics devices. The key application for the system, it is reported, would allow viewers to select motion pictures, museum displays or other exhibitions on demand and allow interactivity with schools, shops, or medical facilities.

(excerpts from *Broadcast Engineering, and TV Technology*)



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Stiehl Inducted

(cont. from page 1)

joyed a 45-year career (1931-76) as a UW engineering professor and public broadcasting engineer.

The WBA Hall of Fame was created in 1989 to honor broadcasters for outstanding service to broadcasting and their community. The Hall of Fame display, which is located in the State Historical Society of Wisconsin Library in Madison, Wisconsin, honors Stiehl and thirty-two other inductees.

After 15 years of pioneering engineering work with WHA-AM (along with University of Wisconsin--Madison engineering professor Glenn Koehler and AM radio pioneer C. M. Jansky Jr.), he became the first Chief Engineer to the State Radio Council (forerunner to the Educational Communications Board), when that body was created in 1945. His first major duty was designing and building what would become the nation's first statewide non-commercial FM network.

In a five-year span he oversaw the building of a remarkable total of eight FM stations. He later helped put WHA-TV, Madison, on the air and under his technical leadership the state FM network became the first educational stations in the country to utilize microwave subcarrier broadcasting in the mid-1960's.

from the *WBA Newsletter*


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SATELLITE NEWS....

Direct Broadcast Satellite

The FCC granted Tempo Satellite, Inc. an interim DBS authorization. Tempo is a subsidiary of Tempo Enterprises, which is owned by cable giant Tele-Communications, Inc. (TCI).

DirectTv Breaks Ground

Hughes Communications, a unit of GM Hughes Electronics, will soon break ground on a 60,000-square-foot facility on its 150-acre parcel southeast of Castle Rock, Colo. The company plans to build a \$160 million transmission facility at the site for its DirectTv Direct Broadcast Satellite (DBS) system.

In about two years the facility will beam signals to U.S. homes throughout the central U.S. offering 100 channels and state-of-the-art reception - including a channel for TV sets equipped with HDTV systems. Once completed, Hughes expects to employ up to 40 workers at the operation.

Hughes' plans to launch its satellite in 1993 are still on track. The system is to become operational later the same year. Consumers must be willing to shell out \$700 for the reception gear and pay the fees for the programming itself.

(excerpts from *Satellite Communications* and *Broadcasting* magazines)



LOCAL LEGALS

Information from *Doug McDonell*

● Application granted to TV intercity relay, construction permit and license new TV relay: NL: 42-36-47, WL:89-02-30, TL: 0.53 miles west of U.S. 51, 5.1 miles South of Janesville, WI., 1990-2008 mhz, used with WISC-TV, Madison, WI.

August Minutes

Chapter 24 of the Society of Broadcast Engineers met on Wednesday August 19, 1992 for its regular monthly meeting at the Brat and Brau restaurant on Mineral Point Road in Madison. The attendance of the August meeting included 18 SBE members, 13 who were certified, and six guests for a total attendance of 24.

The meeting was called to order at 7:00 PM by Chairman Jim Hermanson. Secretary Fred Sperry read the minutes from the July meeting. The minutes were approved as read. Fred then thanked Vice Chairman Leonard Charles for recording and compiling the July meeting minutes in his absence.

Treasurer and Newsletter Editor Paul Stoffel reported the Chapter's account balance along with the deadline to submit items for the newsletter and the date of the newsletter folding session.

Sustaining Membership Chairman Stan Scharch reported that the Chapter now has 23 sustaining members with WMSN Channel 47 as the latest addition.

Program Chairman Steve Zimmerman announced several changes in upcoming programs including the October program which will be a presentation of a paper on HDTV by David Felland from WMVS in Milwaukee. The tour of Grassland Media Inc. originally scheduled in October has been rescheduled for next March. The April 1993 meeting has been changed from April 20th to the 27th due to a scheduling conflict with the NAB.

Special Events Coordinator Kevin Ruppert announced that another sign-on breakfast has been scheduled for October 14th at 6:30 AM. This breakfast is being sponsored by Mike Kerry of Swiderski Electronics and will take place at Lums restaurant in the Market Square Shopping Center.

cont. on page 6, Minutes

Minutes

(cont. from page 5)

In Certification and Education Chairman Doug McDonell's absence, Chairman Jim Hermanson reported that the deadline for the November certification exam period was September 11th.

Frequency Coordinator Tom Smith reported on some recent local coordination activity. Tom then indicated that he will supply a list of open frequencies in a given band when he receives a request for frequency coordination and reminded everyone that it is the users ultimate responsibility to make sure a frequency is clear before use. Tom then inquired about what kind of interest there was in compiling a list of wireless mic frequencies in use around town. He then also indicated that he plans to send out a mailing in the near future to facilities in the area to verify the frequencies currently in use.

There was no old business to report.

In new business, Chairman Jim Hermanson mentioned that he had received new membership forms from the National that include the updated fees and also pointed out that any certification pamphlets printed before March 1992 are no longer valid. He also mentioned that he has sustaining membership forms from the National available for anyone interested. Finally Jim mentioned that certification exam study guides are now only available on floppy disc and that these can be obtained for a modest fee through the National SBE office by calling 317-253-1640.

(cont. on page 8, Minutes)

Position Wanted

Terry Koch is seeking employment as an AM/FM broadcast technician. His address is 1009 Harriette Street, Fort Atkinson, WI 53538.



The SBE National job line is: (317) 253-0474. For information on how it works, call (317) 253-1640, and talk to Elberta. Each listing has a code number and basic information, including location. SBE provides this listing as a service to its members. SBE is not responsible for actions taken by persons at the companies listed, nor is a party to any agreement made between the listed companies and job applicants. If you are looking for employment, or seeking a qualified applicant, call the SBE National Job Line; these services are provided free.

CHAPTER 24 SUSTAINING MEMBERS

- WMSN 47
- Broadcast Communications
- BTS
- Skyline Communications
- Harris Allied Broadcast
- Todd Communications
- Video Images
- Fuji Film I&I
- Swiderski Electronics
- Roscor Wisconsin
- Electronic Industries
- Maney Logic
- WMTV 15
- WKOW-TV 27
- Anixter
- The Tape Company
- Emmons Associates
- Panasonic Broadcast
- Communication Technologies Inc.
- WMMM-FM 105.5
- Scharch Electronics
- WISC-TV 3
- Sony Broadcast

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CHAPTER 24 BBS HAS NEW HOME

(continued from page 1)

wasn't the only reason for Chris' call. Chris was calling to tell me that he would be willing to wear the cap of the new system operator (SYSOP). The timing of this happened to coincide with the retirement of a computer used at WISC-TV. A transfer date was to be coordinated between Dave and Chris, with Dave offering his assistance with the set up. The transfer date has come and gone. Anyone calling Dave's old number will hear a recording.

The BBS is now on-line, is working well (in full color!), and lives at WISC-TV, Channel 3. To reach it, call (608) 277-5239. It will operate at 300, 1200, 2400, and 9600 baud (HST), no parity, 8 databits, and 1 stopbit. The hours of operation are 6:30 p.m. to 8:00 a.m. weekdays, and 24 hours on weekends. It is open to all members of the Society of Broadcast Engineers, operating as an "electronic post office." Old passwords could not practically be transferred from Dave's BBS so a fresh log in and sign up are required. Once you've checked in and completed the on-line sign up, Chris will add you to the roster of users within a day or so. Your old files from Dave's BBS (if any) will again be accessible. Please call in and check it out. It's free!

Due to the foresight and generosity of Chris Cain and WISC-TV, SBE Chapter 24 has enjoyed continuous BBS use and it will continue to be in good hands. Computers are a natural to Chris. As our frequency coordinator he created a thorough computer database of information that has been recognized nationally. He has and continues to upload and download files to and from CompuServe to provide our chapter with communications with the rest of the world. I'm sure that the chapter will join me in expressing wholehearted thanks to Chris and WISC-TV for their valuable help. I couldn't be more proud of being associated with Chapter 24's community of dedicated broadcast engineers such as Dave and Chris! If you have any questions feel free to call the SYSOP, Chris Cain, at WISC-TV (271-4321).

FINANCE COMMITTEE FORMED

Submitted by Robert Goza, SBE Treasurer

A Finance Committee has been formed since the NAB consisting of the following members of the Society:

Joan Krause, Los Angeles, CA
Chris Cain, McFarland, WI
 Gerry Dalton, Grand Prairie, TX Tech Advisor
 John Soergel, E. Syracuse, NY
 William Wise, Richardson, TX
 Robert Goza, Beaufort, MO, SBE Treasurer

The members of the committee have been supplied with last years accounts, the 1992 budget, a rough outline of a 1993 budget, and the accounts for the first 6 months of 1992.

Their responsibility will be to come up with a working budget to be presented to the full Board of Directors at the fall Board Meeting in San Jose. The first of several conference calls was held in July.

I am looking forward to working with these individuals and hope that this will become a regular standing Committee of the Board.

money_logic

Software & Interfacing

Dan Maney
Systems Designer

Denise A. Jones
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PRESIDENT

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Exam Application Deadline is September 11

SBE exam applications are due September 11 for certification exams scheduled to be administered November 6-16, 1992.

Application forms are available from Chapter 24's Certification Chairman Doug McDonell.

Study guides are available on floppy disks to help you prepare for the exam. Contact the National SBE office at 317-253-1640.

WISC 3 TV

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MINUTES (cont. from page 6)

Jim then announced that the Chapter's Officers were in the process of adopting by-laws for Chapter 24 and that they were interested in putting a committee together to assist in this project. Anyone interested in volunteering for this committee can contact Jim.

Jim then presented Chris Cain to talk on the new SBE BBS for Chapter 24 that will now run from an engineering computer at WISC-TV. This BBS was formerly operated by Dave Willow. Chris passed out an information sheet regarding the new BBS and indicated that he was the System Operator for the BBS and that any problems or questions should be directed to him at Channel 3. Chris then thanked Dave Willow for his past involvement with the BBS and for his help in setting up the current system. Chris also thanked Stan Scharch for his assistance in the set-up of the new BBS.

Jim then announced that there had been no applicants for the Chapter's scholarship to the National SBE Convention this year in San Jose. He indicated that the Officer's had discussed the possibility of instead making a scholarship available to the Broadcast Clinic in town. Jim went over the criteria established by the officers and asked for any discussion or comments from those present. There were no comments, so Jim announced that the scholarship would be offered and that the application deadline would be September 30th.

In professional announcements, Dave Willow announced that he was leaving his position as Chief Engineer of WJJO-FM. Anyone interested in a contract engineer position with the station should either contact Dave or the station.

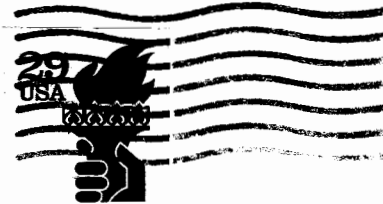
Jim then announced a new segment of the monthly meeting agenda entitled technical tips where technical discoveries and ideas can be exchanged among the group.

Following the technical tips session, Program Chairman Steve Zimmerman introduced Dave Glasgow, Scott Cichacki, and Frank Albrecht from the Chubb Insurance Group who gave a presentation on loss control.

Secretary, Fred Sperry

SBE

SBE Chapter 24 Newsletter
3538 Concord Avenue
Madison, WI 53714



1

Tom Weeden
 6802 Putnam Road
 Madison, WI 53711

**The 38th Annual Broadcasters Clinic 1992 will be held on November 10-11-12 in Madison, WI.
 To register by phone, call the University of Wisconsin at 608-262-2452.**

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Newsletter edited by: Paul Stoffel

Contributors this month: Chris Cain, Leonard Charles, Jim Hermanson, Doug McDonell, Kevin Ruppert, Stan Scharch, Fred Sperry

SEPTEMBER MEETING

SBE CHAPTER 24 MADISON, WISCONSIN

THURSDAY, SEPTEMBER 17, 1992

Our September meeting and program will be held at Brat und Brau, 6654 Mineral Point Rd., Madison, WI.

Visitors and guests are welcome at all our SBE meetings!

Dutch Treat Dinner at 5:30 p.m.

Business Meeting at 7:00 p.m.

The Program will start at 7:30 p.m.

Joe Guerrero from Sony will speak on the PVT-115 Portable video transceiver. This is a video based unit that digitizes conventional video and sends it over a phone to a unit at the other end that converts it back to conventional video. Joe will give us some history of the product. He will tell us where they are with its development and implementation. We will hear how some broadcasters are putting this equipment to use in news applications.

The Program will last approximately 45 minutes. Time for questions and answers during the demonstration.

Upcoming SBE Programs and Events:

- ✓ Sign-On Breakfast October 14, 1992, Wednesday: Sign-On Breakfast sponsored by Swiderski Electronics. 6:30 a.m. at Lums in Market Square. Michael Kerry from Swiderski will pick up the tab for your breakfast. Start your day with this Sign-On breakfast!
- October 20, 1992, Thursday: David Felland will discuss High Definition Television. David has first hand experience with HDTV broadcast. Following the presentation, there will be a round table discussion on HDTV and how it might effect Madison. Bring your questions and comments.
- November 18, 1992, Wednesday: Digital audio workstation demonstration and discussion by Dave Habiger from Roscor.
- December 17, 1992, Thursday: Video Disk recording technology. Lou Skriba from Sony will discuss the approach that Sony is taking in video disk recording.
- January 19, 1993, Tuesday: MANEY LOGIC will show their Timer Plus and other Many Logic products. Presentation will be at the WKOW-TV studio. Following the presentation there will be an opportunity to tour WKOW.
- February 17, 1993, Wednesday: Video Toaster demonstration at the studios of RCC Systems, Inc., on Regent Street in Madison.
- March 18, 1993, Thursday: Grassland Media Inc. We will visit the facility of Grassland Media Inc., and look at their two edit suits, ADO, Chyron and PC-based Computer Graphics.
- 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

Press Releases from the National SBE Office:

SBE PRESIDENT FEATURED AT AMITRA CONVENTION

By Jerry Whitaker, SBE Vice President

SBE President Richard Farquhar was a featured speaker at the 15th annual AMITRA technical seminar in Mexico City. International delegates were also in attendance.

Seminar topics included digital audio broadcasting, WARC '92, multiplexed antenna system design, improving transmission multiplexed antenna system design, improving transmission bandwidth, and the economical evaluation of professional broadcast services. Farquhar pointed out that the seminars were applicable to a U.S. audience as well, noting, "The engineers in Mexico face many of the same problems that we do here in the U.S. With a common ground of technical and management needs, there is much that each group (AMITRA and SBE) can learn from each other."

SBE President Farquhar and AMITRA President Sergio Beristain held a meeting at the NAB Convention to discuss future projects between the two organizations, including cooperative education efforts. The Mexico City gathering was the first step in this process. Farquhar spoke on the topic of "Motivation and Integration of the Broadcast Engineer." The hour-long talk and question and answer session was well received, and offered a new management perspective to attendees. Simultaneous translation of English to Spanish (and vice-versa) was provided for all sessions at the AMITRA seminar.

Beristain indicated that at least twenty AMITRA members would be attending the SBE Convention in San Jose, October 14-17. Beristain will be on the SBE Convention program presenting a technical paper on radio engineering.

President Beristain is promoting SBE Certification to the membership of AMITRA. The first SBE certification examination in Spanish was given during the NAB Convention. Both Farquhar and Beristain praised the working relationship between SBE and AMITRA, especially in the areas of education and certification.

SBE EXPANDS INTERNATIONAL HORIZONS

by Jerry Whitaker, SBE Vice President

Two major cooperative agreements have been signed between the Society of Broadcast Engineers and broadcast engineering associations in Canada. The pacts represent the latest efforts to expand the international horizons of the SBE, which now boasts members in more than 30 countries around the world, and affiliations with associations in 5 countries.

SBE President Richard Farquhar signed agreements with the Central Canada Broadcast Engineers (CCBE), headquartered in Toronto, and the Western Association of Broadcast Engineers (WABE), headquartered in Calgary. The broad-ranging affiliation agreements will lead to the exchange of information and ideas, cooperative educational efforts, and attendance at each group's meetings and conventions.

TECHNICAL TRAINING TAPE LIBRARY PROJECT

by Jim Wulliman, Ennes Educational Foundation

SBE is working to develop a video tape training library for use by the Chapters and the general membership, not located near a Chapter.

I have been very pleased with the great support have received from everyone that I contacted for suggestions and assistance in the development of such a videotape training library. Sony, Panasonic and BTS have agreed to supply demo cameras and tape equipment to any chapter that would like to tape a suitable presentation.

I would also like to involve students from our Certified Technical Schools in the production of these training tapes. This will be an excellent opportunity for students to work with the professionals in a chapter in a "real" production, not just a lab exercise.

I have a tentative agreement with WMVS/WMVT in Milwaukee to post the chapter/student training tapes when a chapter can tape the presentation but can not do the final editing. This would be done as part of the regular MATC technical training program. I called them because I am familiar with their excellent training facilities, but other schools are welcome to participate, also.

We will obviously have to coordinate the topics that each group might produce, and have overall guidelines for the look of the various tapes, but at this point in time we can allow some freedom for the chapters to select a topic which they feel would be suitable for a chapter project.

The tapes should be 30 to 40 minutes in length. They could be used to start a chapter meeting, or as a complete program.

For further information on how your Chapter can participate in this project, and how to arrange for the use of demo camera and tape equipment, call Linda at the National Office or call me at (602) 648-1250.