

**CHAPTER 24
MADISON, WISCONSIN**

Society of Broadcast Engineers

August 1992

THERE'S MONEY TO BE MADE

by Paul Stoffel

"An entrepreneurial engineer is a person who, through his own diligent efforts, has found a way to make a buck or two for his company." Marvin Bom, member of the National SBE Board and chief engineer of WBNS-TV, spoke at the Wisconsin Broadcasters Association Seminar's SBE Luncheon on July 15.

Bom was defining a need for the engineering staff of a facility to become more of a "profit making department" and not to be thought of as just an "expense department."

According to Bom, "There are fixed costs and variable costs in a facility. Unfortunately, the engineering aspect of a broadcasting operation is composed of mainly fixed costs. Fixed costs are composed of plant equipment and operating personnel and are the most dangerous, especially during difficult economic times." Bom suggests trying to reduce those fixed costs as much as possible. "You may not be able to generate enough cash to cover your whole department, but you can definitely get somebody's (the general manager's) attention."

"There are major areas of revenue enhancement available to the engineering department. First is cash generating activity within a department; second, implement cost reduction techniques," said Bom.

cont. on page 6, MONEY

AUGUST MEETING

DATE: Wednesday, August 19, 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 !!!

JULY MINUTES

Chapter 24 of the Society of Broadcast Engineers met on July 21, 1992 at the Brat und Brau on Mineral Point Road in Madison. 13 members attended, 10 certified, with 3 guests.

Chairman Jim Hermanson called the meeting to order at 7pm. Minutes were read and approved and the Chapter's treasury account balance was given.

Membership Chairman Leonard Charles announced the grace period for dues payment for 1992 ends October 1st. Leonard also announced the application deadline for this year's Chapter 24 National Convention scholarship.

Sustaining Membership Chairman, Stan Scharch, said as a result of Steve Peck's move to BTS, that BTS is our newest Sustaining Member. Stan also received an application from Jim Rogers

cont. on page 2, MINUTES

UPCOMING MEETINGS

Thursday, September 17
Tuesday, October 20
Wednesday, November 18

IN THIS ISSUE

Radio.....	page 3
Amateur Radio.....	page 3
Local Legals.....	page 4
National SBE Convention....	page 5
Chapter 24 Thanks Dave Willow.....	page 7

MINUTES

(cont. from page 1)

of Comark to become a new Sustaining Member.

Program Chairman Steve Zimmerman ran through the tentative program schedule for upcoming meetings.

Certification and Education Chairman Doug McDonell gave the dates and locations for the next certification exams and the deadlines for applications to take those exams.

Frequency Coordinator Tom Smith solicited input on whether it would be worth keeping a database on wireless mic frequencies as he has had an inquiry. Tom also said he will be sending out his latest frequency reports for the purposes of accuracy verification. Sony sustaining member Kevin Peckham added that recent regulation changes has allowed use of some UHF TV channels for wireless purposes and that his company has begun marketing transmitters and receivers in those frequencies and will provide information to local frequency coordinators to aid in interference free operation of that equipment.

In old business, membership chairman Leonard Charles said he has secured meeting attendance sheets from almost all the Chapter meetings from 1980 to the present and is working on entering the data in his computer. Leonard also gave an update on his investigation of the effectiveness of the Dane County EBS receivers.

In new business, Leonard told of the coming end of Dave Willow's BBS but announced that Chris Cain and Channel 3 has agreed to run the SBE BBS from the Engineering office computer at Channel 3 with a tentative switch over date of August 9th.

In professional announcements, Bill Schoof of Roscor said that they

are looking for Steve Peck's replacement and anyone interested should contact them. Bill also said that he and Ned White will handle product inquires for this area in the interim. Kevin Peckham announced that due to recent retirements at WISN TV in Milwaukee, they are looking for at least one, perhaps more TV maintenance engineers.

Jim Rogers of Comark then introduced himself as this area's regional Sales Manager for that company and announced that Comark has an opening for a field engineer. Jim then pitched his UHF IOT transmitter as well as his companies involvement in HDTV evolution.

Jim Hermanson read the National SBE job opening announcement to fill the Executive Director's position vacated by Steve Ingram.

In miscellaneous business Leonard Charles complimented Doug McDonell on another great Chapter 24 summer picnic and fish fry in Doug's back yard. Jim Hermanson thanked Channel 27 for the use of their facilities for newsletter collating, and expressed appreciation to Channel 3 for taking over the SBE BBS.

There was then a drawing for 3 Brat N Brau gift certificates provided by Jim Rogers of Comark won by Bill Schoof of Roscor, Jim Hermanson, and Leonard Charles.

Program Chairman Steve Zimmerman then introduced William Smith of Magni Corporation for the evenings program on the Magni Monitor.

Reported by Leonard Charles

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 - 273-5500
H - 833-6074

TREASURER:

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

CHAPTER 24 COMMITTEE APPOINTEES

Past Chairman: Steve Zimmerman
Membership: Leonard Charles
Sustaining Membership: Stan Scharch
Strategic Plan: Dennis Behr (Chair)
Newsletter Editor: Paul Stoffel
Program Chairman: Steve Zimmerman
Special Events: Kevin Ruppert
Cert/Ed: Doug McDonell
Tim Trendt, Platteville
Freq Coordinator: Tom Smith
W- (608)263-2174 H- 837-2729
Chapter Liaison: Steve Peck
SBE National Liaison:
Terry Baun (414)449-5300

I

VIDEO
I M A G E S

Milwaukee
Madison
Chicago

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

15

WMTV

615 Forward Drive, Madison Wisconsin 53711

(608) 274-1515

RADIO...

By Stan Scharch

* Bellcore Labs can now deliver digital audio over standard paired phone lines into the home. The main potential being studied at this time is delivery of audio services to the home and business since POTS (Plain Old Telephone Service) can be delivered simultaneously.

* Andrew R. Yoder of Chambersburg, PA has been fined \$17,500 for unlicensed operation of a broadcast station at 7415 KC.

* ID Logic, from PRS Corp is being adapted for use in identifying short-wave broadcasts on consumer receivers. The technology, already developed for broadcast, will allow receivers to station search for format, language, etc.

* WSKS-FM has been fined \$8,000 by the FCC for violations of the tower lighting regulations. The tower had no working lights when inspected, and the FAA had not been notified.

(Excerpts from Radio World)



**The
Tape
Company**

Quality People . . . Quality Service

Tim Galassini
801 Sivert Drive
Wood Dale, Illinois 60191
708-595-3113 Phone
708-595-0052 Fax
ORDERS: Sonia Karr

SONY Kevin Peckham
Account Manager
Broadcast Products Division

Sony Communications Products Company
1200 North Arlington Heights Road
Itasca, Illinois 60143
Telephone (608) 271-3778
(708) 773-6046
Service Center (708) 773-6037
Emer. Tech. Assst. (201) 833-9533
National Parts Center (800) 538-7550

AMATEUR RADIO NEWS

by Tom Weeden, WJ9H


* An orbiting FM repeater has recently begun operation. OSCAR-21, which piggybacks on the Russian Informter-1 satellite, uses digital signal processing to synthesize FM signals. OSCAR-21 has been up for many months, but just underwent a new software upload to perform FM repeater operations. OSCAR satellites traditionally have re-transmitted single-sideband and Morse signals, but this marks the first time that amateurs can use readily-available FM equipment to work through a satellite. Received signals are quite strong and can be received on hand-held radios and scanners. The downlink frequency is 145.987 MHz, plus or minus Doppler shift. The polar-orbiting satellite can be heard around 11 A.M. and 11 P.M. local time.

* A Washington State man faces a fine of 10,000 dollars for operating on a 2-meter amateur repeater without a license and for transmitting profanity and threats. On July 9, the FCC issued a Notice of Apparent Liability to Gino Turrella, of Kent, Washington, a non-amateur and the target of what the Commission called "numerous complaints" for transmitting profane language and making threats "on various amateur radio repeater stations throughout western Washington."

* The FCC has proposed to relax its rules for amateurs to permit public service communications that are currently prohibited. The proposed changes would give hams greater flexibility in providing communications for public service activities such as parades, fairs, and races, and for certain personal communications. The comment deadline for PR Docket 92-136 is October 1.

* Some amateurs (and AM broadcasters) are concerned about a recently-designed RF-powered light bulb. The bulbs, which are not yet in production, are expected to meet FCC Part 15 regarding incidental interference, according to manufacturer Intersource Technologies, Inc. of Sunnyvale, CA. The bulbs, as currently envisioned, would operate at 13.56 MHz within the Industrial, Scientific, and Medical (ISM) band. 25 watts of RF power would produce the same amount of light as a 100 watt incandescent bulb. A spokesman for Intersource has said that the company had received a number of phone calls from amateurs, many offering to "beta test" the bulbs when they become available.

(From August 1992 QST Magazine and W1AW on-air bulletins)



RICHARD WOOD
PRESIDENT

**BROADCAST
MICROWAVE
LAND MOBILE**

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

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

Scharch Electronics Company

1105 Middleton Street
Madison, WI 53717-1078
608 831-2286

Stan Scharch

LOCAL LEGALS

Information from Doug McDonell

- * Application granted to VHF TV translator, W11CE, Ch. 11, low power broadcast, voluntary assignment of construction permit from Skywave Communications to CDO Communications Corporation.
- * Application granted to UHF TV translator, W54BH, Ch. 54, low power broadcast, voluntary assignment of license from WSSM-TV, Inc. to Three Angels Broadcasting Network, Inc.
- * Transfer control of Channel 47 limited partnership from James L. Arnold, receiver to Madison GP, Inc.
- * Modification of permit to extend completion date, WHA-TV, Ch. 21. Original construction permit granted on 3-29-85.
- * Application granted to FM broadcast station, WYZM, 105.1 Mhz, voluntary assignment of construction permit, new station, from Dale A. Ganske to Janice and Ronald Fedler.

An Open Letter to All Attendees of Wisconsin Broadcasters Association Summer Engineering Seminars

I apologize for not being present at the designated time for the Tektronix Seminar. I hope this does not reflect harshly in your mind on Tektronix. You are important to us as customers and friends. It was my error, and I ask your forgiveness and pledge to try to earn back the respect that may have been lost by my action. Thank you all.

Larry J. Haga
Senior Account Manager
Tektronix, Inc.

- CORRECTION -

Last month, the article entitled, CODE CHANGES, regrettably contained an editor typo. Richard Wood of Skyline Communication, the author, said the paragraph should have read as follows:

"As of August, 1991, on all new towers that are required to have an A-2 light kit, if any single member of transmission line is larger than 3", two beacons will be required at the mid level. The designator on this system is an A-2/3."

Jean Muehlfelt, Marketing Director of Broadcast Communications, also sent a letter regarding the typo.

This newsletter benefits greatly from reader's comments and, as always, articles are welcome.

The electronic version of this newsletter, which is assembled by Leonard Charles and is sent to various computer bulletin boards, did not contain the typo.

Job Announcement

from the National SBE Office

The Board of Directors of the Society of Broadcast Engineers, Incorporated, is seeking a qualified candidate for the position of Executive Director, to serve as the Chief Executive Officer of the association.

The successful candidate will manage the administrative affairs of the association on a full-time basis from its headquarters office in Indianapolis.

Preference will be given to SBE members, and to those with management experience and familiarity with association administration.

A full position description is available from SBE, Post Office Box 20450, Indianapolis, IN, 46220.

Please send complete resume, salary requirements and letter of interest to: Search Committee, c/o Booth, Freret and Imlay, 1233-20th Street NW, Washington, DC, 20036. No facsimile or telephone inquires, please.

maney_logic
Software & Interfacing

Dan Maney
Systems Designer

Denise A. Jones
Marketing/Sales

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

FUJIFILM I&I
SEDATE HOLLAND
ACCOUNT REPRESENTATIVE
PROFESSIONAL PRODUCTS
MAGNETIC PRODUCTS DIVISION

FUJI PHOTO FILM U.S.A., INC.
1285 HAMILTON PARKWAY
ITASCA, IL 60143
(708) 773-7200 • (800) 877-0565

WISC 3 TV

Panasonic **MII**

Panasonic Broadcast Systems Company
Division of Matsushita Electric Corporation of America

425 E. Algonquin Rd.
Arlington Heights, IL 60005
(608) 493-2619
(708) 981-7325

HERB VAN DRIEL
midwest district sales manager

CTI
COMMUNICATION TECHNOLOGIES INC.

6213 MIDDLETON SPRINGS DRIVE
RIDDLETON, WISCONSIN 53562-2773
608/631-4636
FAX 608/636-1848

CONSULTING ENGINEERING FOR THE BROADCASTING AND CABLE TELEVISION INDUSTRIES

DICK GALL NEAL McLAIN

SBE National Convention Nears *by Jerry Whitaker, SBE Vice President*

Plug into the future of technology by attending the SBE National Convention and Broadcast Engineering Conference. The 1992 SBE National Convention, to be held in San Jose from October 14-17, will provide informative seminars on the latest advances in technology, and how you can capitalize on them.

EBS Summit Conference

The San Jose show will be the scene for a comprehensive examination of the future of the Emergency Broadcast System. An "EBS Summit Conference" is scheduled for the opening general session of the technical seminar program (Thursday, October 15).

Broadcast engineers have been absorbed with the EBS since its beginnings. Many engineers and SBE chapters have been involved in implementing, supporting, and recently calling for changes in the EBS. In recognition of the need for change, the FCC issued a Notice of Inquiry last year seeking to determine if the EBS should be modified, and in what manner.

In the Notice of Inquiry, four systems were singled out as having promise. Two of these systems have their roots in local SBE chapter work (ICEBS, EDIS). Another system, WRSAME (developed by the Weather Service) is similar to the ICEBS. The fourth system, RDS (Radio Data Service), is an FM SCA data system common in Europe that displays listener and other information on an LCD, printer, or terminal attached to an FM radio.

SBE responded to the NOI, commenting on the general goals of the systems, and on certain technical considerations with regard to current EBS modulation specifications.

The EBS session at the national convention will provide a forum for all viewpoints. An overview of each system will be provided, and representatives will be available to answer questions from the audience. Officials from the FCC will also be in attendance to discuss regulatory considerations. To complete the program, the official position of SBE in the EBS matter will be outlined.

As a way of putting the EBS question into perspective, a first-hand account will be given of the role the system played in the recent Los Angeles riots.

Late Program Additions

All SBE members received a comprehensive attendee information package during July. Since the time that publication was prepared, some additions have been made to the program. Most notably is a new Ennes Workshop on Wednesday, October 14.

Sony has generously offered to put on an afternoon seminar on small-format videotape systems, including Betacam, Hi-8, and U-Matic. An overview of each system will be presented, including a hands-on, covers-off discussion of the operational and maintenance considerations for each format. The relative strengths and weaknesses of these acquisition formations will be discussed, along with the basic operational theory, and future trends in small format videotape.

As part of the workshop, a tour of the Sony Sunnyvale facility has been tentatively planned. Attendees will be able to view factory quality control, alignment, and service functions at the Bay Area Sony center.

If you are interested in attending the Sony Small Format Ennes Workshop on Wednesday, October 14, please call the SBE National office for registration details. A maximum of 25 persons may attend, so act soon. Call 317-253-0122.

The Venue

- * San Jose is located at the sunny end of San Francisco Bay. Nestled between two mountain ranges, San Jose is just 50 miles from San Francisco and 60 miles from the beautiful Monterey/Carmel resort areas.

- * With a population of nearly 3/4 million, San Jose is the third largest city in California, and the 11th largest in the U.S. The area is also home to one of the largest concentrations of SBE members in the Western States.

- * There are a number of attractions to interest both SBE members, and members of their families. Some of the better known sights include:

- * The Technology Center of Silicon Valley. Open year around, the center features hands-on technology exhibits that trace the development of integrated circuits and personal computers from their infancy to the present.

- * San Jose Museum of Art. The largest museum in the South Bay, the San Jose Museum of Art presents innovative contemporary art from the central California region, and other areas.

- * Marine World Africa USA. Open daily during the fall, this well known theme park features 7 exciting shows and innovative habitats.

- * Lick Observatory. Located on Mt. Hamilton, 25 miles east of San Jose, the observatory is open daily year-round. Tours of the Shane 120-inch reflecting telescope gallery are conducted every hour.

- * Winchester Mystery House. A beautiful, yet bizarre landmark filled with such oddities as stairs that lead to the ceiling, doors that open into walls, and legends of ghosts and spirits.

- * Shopping. Lots of it. At last count, well over 300 stores within a short driving distance of the center city.

MONEY

cont. from page 1

BORN'S CASH GENERATING EXAMPLES:

* Typically, someone has come into your facility and asked to use space on your tower. Instead, go out and sell your tower space. "There is a major distinction here. Would a new FM station be willing to pay \$2,000 per month to rent space on your tower? Maybe; maybe not. You are never really going to know unless you ask one of them," says Bom.

"The ideal situation for a profit-making tower operation is to design the tower and the antenna system from the ground up for rental property. Also, consider the addition of a panel antenna for FM's, additional transmission line and a couple of platforms to have a few business radios on."

* "Do telemarketing using a machine" that gives the public access to a variety of information via the telephone. A commercial or promotional announcement could precede the free information (weather, sports, local news). "The person who supplies the machine charges for the commercial. Some of these machines get thousands of calls per day. You would be surprised how much money you can make off a simple little box sitting back in your phone room."

* "Rent your satellite truck out to a competing company or network. Make it known to the network's early morning shows that your [Satellite News Gathering truck.] SNG, is available. There is one catch, though. When the truck is rented, the news department has to consider that the SNG will be gone for a couple of hours."

* "For a price, share uplink capabilities during a news event. There is always somebody looking for an uplink to get video back to their station. Many stations will take a second block feed over nothing if they don't have an SNG available."

* "Have your news anchors [or reporters] go LIVE for somebody else around the country. Just change the microphone flag during a live SNG shot."

* "Charge [clients] the real costs plus a reasonable mark-up. As an engineering manager, one must know the real cost of an employee." Besides the employee's base pay, the "real cost" hourly rate includes an employee's social security, health benefits, life insurance, retirement and possibly profit-sharing.

* "Charge what the market will bear. It's called maximizing profit. You want to find the point where you make the most money for the least amount of work."

cont. on page 7, MONEY

CHAPTER 24 SUSTAINING MEMBERS

Our newest sustaining member:
Kerry Maki/WMSN 47

Latest renewals:
**Broadcast Communications
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
BTS
Sony Broadcast

Thanks to Al Rieland, Wisconsin
Public Radio, and their laser printer.

Ned White
Branch Manager

ROSCOR

Roscor Wisconsin
11350 W. Theodore Trecker Way
West Allis, Wisconsin 53214
Phone: 414-476-2600
FAX: 414-476-4949

SE

(414) 764-9209
FAX (414) 764-9208

Swiderski Electronics Incorporated
3303 Marina Road, #28
South Milwaukee, WI 53172

Michael Kerry
Sales Representative

Audio/Video/Data Communications
Engineering • Sales • Service • Rental

Rockin' Good Fun!



WMMM-FM
6313 Odana Road
Madison, WI 53719
608-273-9774

Turn-key tower installation Tower Management Services
24-Hour Emergency Repair Antenna and Line Installation
AM/FM Broadcast Consulting Tower Maintenance & Service

"35 Years of Devotion to the Broadcast Industry"

Broadcast Communications



CALL 608/527-5670

98 Highway 69 North P.O. Box 730 New Glarus, Wisconsin 53574

MONEY*cont. from page 6***BORN'S COST CONTROL EXAMPLES:**

- * "Buy generic parts such as transistors, chips and tubes."
- * "Ask for discounts"
- * "Have one person in the engineering department do the parts ordering and, in turn, deal with only one salesperson at a given company."
- * Send out bid requests to get the best price.
- * "For new equipment purchases, know what you are going to buy. Do your homework before you talk to a single sales person. You can force the issue to get a lower price if you buy at the right time and know how to apply the right pressure." Born adds, "Get authority from the general manager to make the deal. The sales person will always want to deal with the decision-maker." Born prefers to deal with sales persons on his own turf. That means no dealing over lunch.
- * "Shop at fire sales or going out of business sales where good items can be had for between 10 and 25 percent on the dollar. Shop liquidation sales, buy only what you need. The prices will be pretty much at wholesale value at that point."

"Consider some of the ideas presented here. How can they be modified to work in your environment?" said Born. WBNS-TV/FM/AM and Born's engineering staff have implemented these ideas at their facility including master control and newsroom automation using a LAN network. In the future, WBNS-TV's Sony D2 LMS videocart player which now has a 1000 bin capacity will be converted to hold 15,000 carts.

A SOLUTION FOR "THE LAST (OR FIRST) MILE"*by Paul Stoffel*

MRC Telecommunications of Milwaukee is offering to broadcasters a solution to the "last (or first) mile" dilemma. It's called FIRST LINK.

Touted as an alternative to using a satellite uplink truck, FIRST LINK provides the first or last mile microwave connection of your event to the MRC network, including Teleport Chicago.

The FIRST LINK truck is equipped with dual six GHz transmitters (using automatic standby protect), a 37-foot mast, option for two-way video, and an on-board AC power generator. The line-of-site range is 10 to 12 miles. The signal is pointed to the nearest MRC microwave tower in the area.

Although FIRST LINK is used mainly for news events, Channel 24 from Milwaukee has used the truck recently for live broadcasts from Summerfest.

Last February, the truck was used by The World Federation of Wrestling. Their signal was microwaved to Teleport Chicago, uplinked, and offered to cable television systems for pay-per-view.

In October of 1991, FIRST LINK was used as the first and last mile between a Chicago teleproduction studio and Teleport Chicago for a two-way medical teleconference to Germany.

CHAPTER THANKS WILLOW FOR BBS SERVICE

Six years ago, Dave Willow began operating a computer bulletin board service (BBS) for SBE Chapter 24. Without a doubt, the BBS made it convenient for chapter officers and members to send electronic mail and swap files, both locally and nationally.

Recently, Willow has decided to retire as system operator of this successful BBS and pass the baton into the hands of Chris Cain and WISC-TV.

Chapter 24 wishes to wholeheartedly thank Dave Willow for volunteering his time and for setting aside an area on his BBS for the SBE during these past six years.

The BBS originally ran on an IBM Model 60 with a 44 meg hard drive. Willow now uses a Compac 386-33 MHz computer with a 500 meg hard drive. The BBS averages 20 to 30 calls per day.

Willow demonstrated his BBS five years ago to Chapter 24 as part of a monthly program. By using another computer, Willow called his BBS computer and showed chapter members how to gain access to the BBS.

Willow is assisting Chris Cain with the set-up of a slimmed-down version of the BBS. Keep tuned to the BBS for information about future access procedures.

BTS
TELECOMMUNICATIONS CORPORATION

Steven C. Peck
Regional Sales Manager


O'Hare Corporate Towers
10600 W. Higgins Rd.
Suite 500
Rosemont, IL 60018

Madison: (608) 246-9797
Madison Fax: (608) 246-8283
Rosemont: (708) 803-8060
Rosemont Fax: (708) 803-8627



WKOW TV

M A D I S O N



GORDY DAILEY
BROADCAST SALES

ELECTRONIC INDUSTRIES INC.
18 E. IRVING AVE. • P.O. BOX 266 • OSHKOSH, WI 54902
distributors of electronic equipment and supplies


PHONES: 414 235-8930
414 739-8900
FAX: 414 236-0233

IN-STATE WATS: 1-800-445-0222
OUT OF STATE WATS: 1-800-558-0222

IT'S ON FOX 47 MADISON!




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



4155 SIBLEY MEMORIAL HWY.
EAGAN, MN 55122-1804
(612) 890-8920 • FAX 612-890-7008

TELEVISION AND REPRESENTATIVES • TELEVISION EQUIPMENT **EMMONS ASSOCIATES, INC.**

KEITH EMMONS



Dan Takkunen
Regional Sales Manager


TELECOMMUNICATIONS PRODUCTS SYSTEMS AND SERVICES
6545 Cecilia Circle • Minneapolis, MN 55439
(612) 941-0556 • FAX (612) 941-0940



4701 W. Schroeder Dr. • Suite 170 • Brown Deer, WI 53223

Wiring Systems Specialists
Voice • Video • Data • Power

(414) 355-0222
In State - 1-800-242-5575
Nationwide - 1-800-447-8565
FAX - (414) 355-2415



MITCH MONTGOMERY
District Manager - RF Sales
8418 NW Beach
Kansas City, MO 64153
(816) 891-7300 FAX: (816) 891-6323

HARRIS CORPORATION Broadcast Division
P.O. Box 4290, Quincy, Illinois 62305 217/222-8200

CHAPTER 24 NEWSLETTER

Edited by: Paul Stoffel
Contributors this month: Leonard Charles, Doug McDonell, Kevin Ruppert, Stan Scharch, Paul Stoffel, Tom Weeden, Jerry Whitaker

Articles Welcome!! Send correspondence to: Chapter 24 Newsletter, 3538 Concord Avenue, Madison, WI 53714
or call (608) 263-2175 (work) or (608) 241-4621 (home)

SBE Chapter 24 Newsletter
3538 Concord Avenue
Madison, WI 53714



Tom Weeden 1,3
6802 Putnam Road
Madison, WI 53711

**SBE CHAPTER 24
MADISON, WI**

**AUGUST MEETING
WEDNESDAY AUGUST 19, 1992**

OUR AUGUST MEETING AND PROGRAM WILL BE HELD AT:

**BRAT AND BRAU
6654 MINERAL POINT ROAD
MADISON, WI**

DUTCH TREAT DINNER AT 5:30P (MENU ON BACK)

BUSINESS MEETING AT 7:00P

THE PROGRAM WILL START AT 7:30P. Dave Glasgow from the CHUBB Group of Insurance Companies will tell us what we can do in our stations to reduce loss in the event of a disaster, flood, or fire. Good information for every staff engineer to be aware of!

THE PROGRAM WILL LAST APPROXIMATELY 60 MINUTES. TIME FOR QUESTIONS AND ANSWERS AFTER THE PRESENTATION.

UPCOMING SBE PROGRAMS:

SEPTEMBER 17, 1992 Thursday: Joe Guerrero from Sony will speak on the PVT-115 Portable video transceiver.

OCTOBER 1992: Grassland Media Inc. We will visit the facility of Grassland Media Inc. and look at their two edit suites, ADO, Chyron, and PC based Computer Graphics.

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 Maney Logic products. Presentation will be at the WKOW-TV studio.

**FEBRUARY 1993: TBA
MARCH 1993: TBA**

APRIL 20, 1993: NAB REVIEW. Attendees will talk about what they found interesting at the 1993 NAB.

**MAY 19, 1993: NUCLEAR ACCELERATOR IN OREGON, WI
ED ROWE WILL SHOW OUR MEMBERS SOME OF THE ELECTRONICS BEHIND THE NUCLEAR ACCELERATOR.**

Table Number _____
Sec. Menu Holder _____
 See Menu Holder
 for the service we have provided



Dinners

- Brochettes & Shrimp** 6.95
Steak & Mini Shrimp or All Steak, Fries or Baked Potato with Salad Bar or Soup
- Cod Fish Fry Dinner** 6.95
Battered Deep-Fried Fish, Fries or Baked Potato with Salad Bar or Soup
- Chicken Breast Dinner** 6.95
Two Grilled Outbacker's Breasts, Fries or Baked Potato with Salad Bar or Soup
- Bratwurst Dinner** 6.25
Two Sausages and Hot Sauerkraut, Fries or Baked Potato with Salad Bar or Soup
- Pork Cutlet Dinner** 6.95
Pork and Tender Pork Frites, Fries or Baked potato with Salad Bar or Soup
- Barbecue Pork Ribs** 6.95
Grilled Back-Ribs in Tangy Sauce, Fries or Baked Potato with Salad Bar or Soup
- Casserole Spaghetti** 5.45
Jughead! Baked in Meats Sauce with Grilled Garlic Bread and Salad Bar or Soup (No Potato with Spaghetti)

Sandwiches & Sandwich Combos

For your sand with the way you like from our many ingredients FREE TOTTING counter. PLEASE BE REMINDED, SALAD BAR CANNOT BE SHARED! CHOOSE YOUR SANDWICH COMBINATION ONLY

Family Recipe Bratwurst	Grilled Specialty Seasoned Extra Lean Pork Sausage	Double Bratwurst	Two Large Bratwurst Served on a Hamburger	Wurstburger	Bratwurst	NEW! Bratwurst 1/2 pound	Fajita Pita	Steak Sandwich	Steak Sandwich	Chicken Breast	Old World Gyro	Grilled Reuben	Fish Sandwich
Sandwich 2.40	Sandwich 3.60	Sandwich 3.75	Sandwich 4.95	Sandwich 2.95	Sandwich 2.40	Sandwich 2.40	Sandwich 3.75	Sandwich 3.75	Sandwich 3.25	Sandwich 3.25	Sandwich 3.25	Sandwich 3.95	Sandwich 3.25
With Collage Fries 3.60	With Collage Fries 4.95	With Collage Fries 4.15	With Collage Fries 5.50	With Collage Fries 4.15	With Collage Fries 3.60	With Collage Fries 4.95	With Collage Fries 4.95	With Collage Fries 4.15	With Collage Fries 4.45	With Collage Fries 4.45	With Collage Fries 4.45	With Collage Fries 5.15	With Collage Fries 4.45
Fries & Salad/Soup 4.95	Fries & Salad/Soup 6.30	Fries & Salad/Soup 6.30	Fries & Salad/Soup 7.65	Fries & Salad/Soup 5.50	Fries & Salad/Soup 4.95	Fries & Salad/Soup 6.30	Fries & Salad/Soup 6.30	Fries & Salad/Soup 5.50	Fries & Salad/Soup 5.80	Fries & Salad/Soup 5.80	Fries & Salad/Soup 5.80	Fries & Salad/Soup 6.50	Fries & Salad/Soup 5.80

Children's Sandwiches for all ages 1 to 100

- Chicken Sandwich with Cheese 1.95
- Hot Dog & Fries 1.95
- French Fry & Fries 1.95
- Mini Shrimp 2.65
- Mozzarella Sticks 2.40
- Steak & Fries 1.95
- Steak with & Fries 2.40
- Cottage Fries 1.30
- String Onion Rings 1.40
- Mini Shrimp 2.65
- Mozzarella Sticks 2.40
- Steak & Fries 1.95
- Steak with & Fries 2.40
- Cottage Fries 1.30
- String Onion Rings 1.40

Side Orders

- French Fry 1.30
- String Onion Rings 1.40
- Mozzarella Sticks 2.40
- Steak & Fries 1.95
- Steak with & Fries 2.40
- Cottage Fries 1.30
- String Onion Rings 1.40
- Mozzarella Sticks 2.40
- Steak & Fries 1.95
- Steak with & Fries 2.40
- Cottage Fries 1.30
- String Onion Rings 1.40

Salad Bar

- With Toppings and Dressing (Please, No Sharing) 4.45
- With Toppings and Dressing (Please, No Sharing) 4.45
- With Toppings and Dressing (Please, No Sharing) 4.45
- With Toppings and Dressing (Please, No Sharing) 4.45
- With Toppings and Dressing (Please, No Sharing) 4.45

ALL you can EAT
 DISCOUNT SPECIALS
 DAILY DINNER
 CHILDREN 1/2 PRICE
 UNDER 10

Sun., 11-9 - Tues. & Thurs. 5-9 P.M.
Chicken - Pizza - Ribs
Salad Bar & Dessert
 ALL YOU \$4.95 CHILDREN \$2.45
 UNDER 10
 Mon. & Wed. 5-9 - Sat. 5-10 P.M.
Steak & Mini Shrimp
Potato Choice & Salad Bar
 ALL YOU \$6.95 CHILDREN \$3.45
 UNDER 10

FRIDAY 5-10 P.M.
Cod Fish Fry Dinner
Potato Choice & Salad Bar
 \$5.95 Children \$2.95 Single \$4.95
 Under 10
 Serving with Slaw or Applesauce
 Available with coupons or discounts and at Food Ctr.
 1421 Regent Street
 1617 N. Stoughton Rd
 6644 Mineral P. Rd.
 257-2187
 241-5227
 833-3880

