



**Chapter 24
Madison, Wisconsin**

Society of Broadcast Engineers

October 1993

Convention News

Chapter 24 Receives Three Awards UW-Platteville Professor Recognized

The first-ever collaboration of SBE with RTNDA (Radio-TV News Directors Association), with joint exhibition and dual conferences, was held September 28 through October 2nd in Miami Beach. The preliminary figures show about a 14 percent increase in SBE attendance over last year's San Jose Convention, while RTNDA broke all records for its convention attendance.

National Awards

The SBE Annual National Awards were announced during the convention:

Best Regional Convention or Conference:

Syracuse, New York, sponsoring Chapter 22

Best Chapter Newsletter:

Madison, WI Chapter 24

Newsletter Editors: Deanna Morris and Paul Stoffel

Best Chapter Frequency Coordination Effort:

North Texas, Chapter 67

Best Newsletter of the Year:

Madison, WI Chapter 24: December 1992 Issue

Best Technical Article or Program:

"Conversion from Linear to Circular Polarization:
Was It Worth It" by Philip Hejtmanek, WBBM TV Chicago

Best Non-Technical Article or Program:

"There's Money to be Made" by Paul Stoffel, Madison, WI
(Coverage of Marvin Born speech at '92 WBA Convention)

Most Senior Chapter:

Seattle, Washington, Chapter 16

Most Certified Chapter:

Tulsa, Oklahoma, Chapter 56

Greatest Growth in New Members (tie):

Youngstown, Ohio Chapter 122

Lehigh Valley Chapter 120

Highest Member Attendance:

Greenville, South Carolina, Chapter 86

Educator of the Year:

Dr. John Nicholas "Jack" O'Neill, UW-Platteville

Broadcast Engineer of the Year:

John Soergel, Syracuse, New York Chapter 22

National Election Results

Total balloting was about 1400, which represents about 25% of the eligible voting membership of SBE. The results of the election were:

President: Chuck Kelly, Broadcast Electronics, Quincy, Illinois

Vice President: Terry Baun, Criterion Broadcast Services, Milwaukee

Secretary: Keith Kintner, KLCS TV, Los Angeles

Treasurer: Bob Goza, current National Treasurer, Beaufort, MO

Since Terry Baun had one year left on his Board term, the new SBE Executive Committee selected John Schneider of Seattle to fill the balance of his Board term.

(Leonard Charles, Terry Baun and Paul Stoffel contributed to this article.)

OCTOBER MEETING

Tuesday, October 19

DINNER: Shakey's West
714 S. Gammon Road

**MEETING (7:00 p.m.) &
PROGRAM (7:30 p.m.)**
at WMSN-TV 7847 Big Sky Dr.

Presenter:

**Todd Communications
"Fiber Optic
Communications"**

Jack O'Neill Given SBE National Award

The National SBE, as part of its Annual Awards, announced that Jack O'Neill, professor at the University of Wisconsin-Platteville, has been named **Educator of the Year**.

O'Neill, who has taught at UW-Platteville for 26 years, is a professor in the Department of Communication.

An elated O'Neill said, "It was an honor and a surprise to be nominated earlier this year. I am very excited to get the award."

UW-Platteville has over 100 students enrolled in its Broadcast Technology Management program. Curriculum includes engineering/operations, advertising/sales, and production/performance. Some of O'Neill's classes include: Introduction to Telecommunication Technology, Introduction to TV Electronic Systems, and upper level course Broadcast Station Planning.

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CHAPTER 24 OFFICERS

CHAIR:

Leonard Charles (WISC-TV)
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H - 274-0041

VICE-CHAIR:

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

SECRETARY:

Kerry Maki (WMSN TV)
W - 833-0047
H - 835-5195

TREASURER:

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

COMMITTEE APPOINTEES

Program Committee:

Mark Croom	271-1150
Denise Maney	277-8001
Kerry Maki	833-0047
Steve Zimmerman	274-1234

Membership: Leonard Charles

Sustaining Membership: Stan Sarch

Strategic Plan: Dennis Behr

Special Events: Kevin Ruppert

Certification and Education:

Jim Hermanson (Past-Chair)
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
414-449-5300 (voice)
414-449-5380 (fax)

Newsletter is a Group Effort

The Award for **Best Chapter Newsletter** was given to Chapter 24 at the SBE Annual Convention. This award is a chapter award.

Deanna Morris, Jim Hermanson and myself have each worn the hat of newsletter editor in 1992.

There are those members who have written monthly columns and other members who have written feature articles.

The computer BBS, operated for so many years by Dave Willow and now by Chris Cain, is an invaluable tool for uploading and downloading articles.

Through the efforts of Steve Zimmerman, the newsletter is copied, folded, stamped and stapled with minimal cost to the Chapter.

The business cards you see each month are an important part of the newsletter. Sustaining members help defray the costs of paper and postage.

Let's all congratulate each other on a job well done!

The following members have filled the many pages of our newsletter in 1992:

Monthly columns:

Tom Weeden, WJ9H, Amateur Radio News
Stan Sarch, Radio...
Doug McDonell, Local Legals
Leonard Charles, FCC News
Fred Sperry, Meeting Minutes
Kevin Ruppert, TV News

Chapter news was submitted by then Chair Jim Hermanson and then Vice-Chair Leonard Charles.

Some 1992 Feature Stories:

FIRST TOWER SCHOOL from Broadcast Communications
CODE CHANGES by Richard Wood, Skyline Communications
THE FCC VISITS MILWAUKEE, by Paul Stoffel
WBA ENGINEERS WORKSHOP by Chris Cain
SBE BBS MOVES TO NEW CHANNEL by Jim Hermanson
WI CHAPTERS RECEIVE MANY AWARDS by Jim Hermanson
WIRELESS MIC FREEZE LIFTED, by Paul Stoffel
AT RISK: ALL TOWER LICENSEES by Todd Klassy
HDTV RULES DRAW CLOSER TO FINALIZATION by Tom Smith
SATELLITE NEWS by Phil Mikalofsky
DUES INCREASE: AN EXPLANATION, by Paul Stoffel
BROADCASTERS CLINIC 1992 REVIEW by Tom Smith
TDR/FDR/LINE PULSING/LINE SWEEPING:

What is it? Do I need it? by James M. Crooks

Thank you to the Chapter 24 members who have continued to submit articles and columns for the Newsletter in 1993.
Paul Stoffel, editor

AMATEUR RADIO

By Tom Weeden, WJ9H

● A bill has been introduced in the US House of Representatives which would protect amateur radio volunteers against liability beyond their control.

HR 2623, the Amateur Radio Volunteer Services Act of 1993 was introduced by Kansas Congressman Jim Slattery.

If enacted, the bill would change the Communications Act of 1934 to protect amateur volunteers from personal financial responsibility resulting from their volunteer activities, as long as there was no "willful and wanton misconduct" on the volunteer's part.

A 1986 incident was cited by the backers of the legislation, where a Michigan ham assisted FCC personnel in tracking down an alleged malicious interference case.

After the case was settled, the accused licensee brought a defamation action against the volunteer ham who provided the evidence to the FCC.

HR 2623's language states that protection against such actions is "necessary and reasonable."

● Results are in from an antenna comparison test on the April 1993 flight of the space shuttle Columbia.

On two consecutive orbits, astronaut Charlie Precourt, KB5YSQ, transmitted on a window-mounted antenna in the shuttle cabin, then on an external antenna mounted in the cargo bay.

One of the teams on the ground who measured the received signals was the Motorola Amateur Radio Club of Plantation, Florida.

The group reported an 11 dB improvement in performance on the shuttle's outside antenna compared to the window-mounted unit which has been used in previous shuttle amateur radio experiments.

Similar results were measured by an IBM club in Boca Raton, Florida, receiving 12 dB more signal on the external antenna over the internal.

(From October 1993 QST Magazine)

Chapter 24 BBS
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Chris Cain, Sysop

Leonard Charles is the editor for the Electronic Version of this Newsletter that is available on the Chapter 24 BBS.

HDTV News

Compiled by Kevin Ruppert

The Clinton Administration is going ahead with what is described as a vague plan toward the creation of a national information super-highway. Their "Agenda for Action" represents a first step in a plan for a national information infrastructure.

Major cable, telephone, computer and equipment manufacturing groups applauded the plan. The Administration plans to promote private-sector investment in the infrastructure and will work with Congress to pass some sort of legislation by the end of 1994.

The legislation is supposed to "...increase competition and ensure universal access in the communications market - particularly those, such as cable television and local telephone markets that have been dominated by monopolies."

The Administration plans to spend \$1.2 billion a year on national information infrastructure projects.

Meanwhile, the FCC HDTV advisory committee plans on having a prototype of the "Grand Alliance" HDTV system in the test bed by May 1994, with a possible recommendation coming from the committee by next summer. This is the only system that the committee is having tested at this point. At their last meetings, the committee pressed the Alliance to adopt a 1,080 active line screen.

(From Broadcast Engineering and Fitzpatrick Associates SHOFTALK)

RADIO...

Compiled by Stan Scharch

● Europe has delayed implementation of the Eureka-147 DAB system for broadcast. The concerns at this point are over financial and frequency allocation issues.

● The FCC has initiated an inquiry into aural modulation measurement for broadcasters. The commission is seeking information that will enable it to set meaningful modulation limits of peak amplitude with regard to peak duration, peak recurrence rates and the time interval over which the peaks are to be counted.

● Nearly 1000 AM stations have applied for migration to the new 1610 to 1700 expanded AMband. One station, KXEN St. Louis is giving up it's 1010 Khz 50KW daytime signal for a 10KW/1KW allotment in the new band. Computing the allotment is expected to take several months.

● The M Street Radio Directory says that Country is the number 1 radio format in the U.S. followed by Adult Contemporary and News/Talk/Sports.

(Excerpts from Radio World)

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Stan Scharch

FCC Regulatory Fees *By Paul Stoffel*

The September Chapter 24 Newsletter published an article detailing the proposed FCC fee schedule. The FCC would be allowed to collect annual fees from the industries they regulate.

At last month's chapter meeting, it was mentioned that the fee schedule includes an annual fee of \$7 for anyone holding a Commercial Radio Operator's License (FCC Rules Part 13 which includes General Radiotelephone Operator License, and First, Second or Third Radiotelegraph Operator's License).

To offer some clarity, H. Walker Feaster of the FCC explained that the "one-time-only" operator license fee of \$7 would be assessed when a person initially applies for an operator license, and that the fee would be added to the \$35 application processing fee. Those people who already have an operator license "are not required to pay any annual regulatory fee for their Operator license." An exception would be those who are applying for a restricted license.

As far as the other categories in the fee schedule, Feaster said, "A mailed notice from the FCC will detail your pertinent categories and their associated fee. The notice will also include a payment due date." The first fee payments could begin as soon as April 1994.

The FCC will publish a fee schedule rulemaking proceeding next month (Nov. 93). In the proceeding, the FCC hopes to define the term, "governmental entities". The following FCC Public Notice exempts governmental entities from having to pay the regulatory fees:

PUBLIC NOTICE: FCC to Implement Regulatory Fees

On August 10, 1993, the President signed the Omnibus Budget Reconciliation Bill of 1993 (Public Law No. 103-66). The Budget act contains a new regulatory fee schedule designed to recover those costs incurred by the Commission that are attributable to the Commission's policy and rulemaking actions, as well as its enforcement, user information and international activities.

The new fees apply to most current licensees and to other entities (e.g., cable television systems and telephone companies) which benefit from Commission regulatory activities, other than licensing or applications processing functions. The regulatory fees do not apply to governmental entities, amateur radio operator licenses and nonprofit entities.


The legislation also grants the Commission authority to periodically review the statutory fee schedule and to adjust the fees to reflect changes in its appropriation from year to year. It may also add, delete or reclassify services under certain circumstances. Additionally, the legislation authorizes the Commission to charge a 25% late payment penalty and to dismiss applications or revoke licenses for non-payment of the fees. The Commission may also waive, reduce or defer payment for good cause in specific instances. Finally, the legislation requires the Commission to collect "small" fees in advance for a full license term and to permit payment of "large" fees by installments.

The Commission plans to implement the new fee collection requirement as expeditiously as possible. New regulations will spell out specific procedures concerning collection methodologies, payment schedules and penalties.

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BROADCASTERS CLINIC 1993 SCHOLARSHIP

Applications are due
by October 15

Chapter 24 is offering one scholarship consisting of any two days of the three day Broadcasters Clinic taking place November 9, 10 and 11 in Madison.

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 the October 15th application deadline
- 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 spanning the 12 issues prior to the October 15th application deadline
- 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 summary article to be published in the chapter newsletter.

Applications should be in the form of a letter which is signed, dated and received no later than October 15, 1993 by Fred Sperry at the following address:

Wisconsin Public Television, TOC
3319 W. Beltline Hwy.
Madison, WI 53713

September Minutes

Chapter 24 of the Society of Broadcast Engineers met on Tuesday, September 16 1993, at Dynatech NewStar in Madison. 15 SBE members attended, 12 who were certified, and 1 guest for a total of 16.

Chair Leonard Charles called the meeting to order at 6:58 p.m. Minutes were approved as printed in the newsletter.

Treasurer and Newsletter Editor Paul Stoffel gave the treasurer's report and announced the newsletter deadline would be October 6, with the folding session set for October 10th. Paul also mentioned the Fox Valley Chapter newsletter announced a Video Toaster demonstration on September 21, 1993.

Membership Chair Leonard Charles reported one new member last month, Steve Paugh of RW Video.

Sustaining Membership Chair Stan Sarch reported the chapter holding steady at a total of 23 sustaining members.

Program Chair Steve Zimmerman indicated next months program would be on fiber optics presented by Todd Communications. Look for program details in the next newsletter.

A need for volunteers to staff the Chapter 24 booth at the Broadcasters Clinic was expressed by Special Events Chair Kevin Ruppert. He also noted the committee is looking for interesting antique electronics.

Certification Chair Jim Hermanson reported the deadline for certification applications, due to the National by September 10th, has passed. Local certification exams will be given November 5th-15th.

Frequency Coordinator Tom Smith continues to receive wireless mic requests and has developed a form letter listing all wireless mic frequencies. Tom recently had a request from TNN for a 2 Ghz wireless camera involved in race coverage at Madison International Speedway. If you haven't done so, please get your wireless mic information to Tom.

Chair Leonard Charles indicated the National elections are currently in progress, and you should have received a ballot along with candidate biographies. Your ballot must be received by the National Office on or before September 22, 1993. The SBE Fall National Convention is being held in Miami September 29th through October 2, 1993. The National SBE and NAB have reached an agreement on a joint convention. Beginning in October of 1994, SBE, RTNDA, SMPTE and the NAB Radio Convention will be held concurrently. Conferences will be centered around a large

exhibition that will include all aspects of broadcast engineering. In the spring of 1995 the SBE will produce the entire engineering portion of the conference. The bottom line is SBE is getting out of the exhibit arena, leaving that to the NAB, and concentrating on education. Work continues for the SBE Midwest Regional Uplink from the Broadcasters Clinic this November. The program will be a panel discussion consisting of National SBE Officers. Satellite time will be provided by Global Access on transponder 10v on ASC 1, 128 degrees West; satellite coordination is provided by Teleport Minnesota; and, uplink facilities provided by MRC Telecommunications. Letters promoting the uplink have been sent out nationally to all SBE Chapter Chairs.

In old business, Fred Sperry indicated he had not received any scholarship applications for the Broadcasters Clinic. The application deadline is October 15th. The scholarship will cover two of the three days of the clinic. Send a letter in the form of an application to Fred at the T.O.C.; the criteria is in the newsletter.

In new business, John Laabs of the WBA had contacted Leonard Charles inquiring if Chapter 24 had seen the RF Safety Pen which the Texas Association of Broadcasters is promoting, and wanted to know if it was a worthwhile item to market. Chapter 24 has agreed to critique the device.

In professional announcements, Tom Weeden of WMTV stated Val Legzdins, formerly of Chyron, is looking for employment opportunities. Jim Hermanson introduced Jeff Zigler, the new Chief Engineer at WTSO-AM/WZEE-FM in Madison. Leonard Charles announced Fred Baumgartner is a Chief Engineer at a television station in Denver Colorado.

In Tech Tips, Dan Maney indicated he is looking for anyone experiencing non-incrementation of the dos-date at midnight when continually running your computer.

The meeting was adjourned at 7:38 PM. Mark Croom introduced Dan DesJardins of Dynatech NewStar, he gave a presentation on machine control and problems encountered in the broadcast environment.

Secretary, Kerry Maki

Help Wanted: North West Productions of Minneapolis is looking for a Maintenance Technician. North West Productions is a Post Production facility. Contact Bill Sherwood for more information at 612-835-4455.



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LOCAL LEGALS

Compiled by Tom Smith

Proposed

● WMMM-FM Verona, WI, 105.5 Mhz, 4.4 Kw ERP, at 384 ft. and WYZM-FM Waunakee, WI, 105.1 Mhz, 6 Kw ERP at 328 ft. sold by Horizon Media Inc. to Woodward Communications Inc., for \$2,400,000. Buyer owns KDTH-AM/KATF-FM Dubuque, Iowa, and KHBV-AM/WAPL-FM, Appleton, WI. Filed September 3.

● WCGV-TV Milwaukee, a Fox affiliate on Ch. 24 at 1,510 Kw at 1030 ft., was purchased from Arby Communications Inc., by Sinclair Broadcast Group Inc., for \$60M including WTTO Birmingham, AL. Arby is also receiving \$56M in a non-compete agreement. WVTU-TV Milwaukee, an independent on Ch. 18 at 5 Mw at 1008 ft., was purchased from WVTU Inc. (Gaylord Broadcasting) by WVTU Licensee Inc. (Edward L. Edwards) for \$37,395,000. Edwards is a former employee of Sinclair Broadcast Group and is involved in a local marketing agreement (LMA) in Pittsburgh with his WPTT-TV and Sinclair's WPGH-TV. He is also purchasing WNUV Baltimore from Arby and will enter a LMA with Sinclair's WBFF-TV there. WVTU and WCGV will operate under a LMA as they currently do under their present owners. Edwards owns 30 percent of both of WVTU Licensee Inc. and WNUV Licensee Inc., with Carolyn C. Smith holding 70 percent. She is the mother of the owners of the Sinclair Group. Sinclair also owns WTTE-TV, Columbus, Ohio. Filed August 16.

Actions

● KFIZ-AM/WFON-FM Fond du Lac, WI, 1450 KHz, 1 Kw unlimited/107.1 Mhz, 3Kw at 321 ft., sold by Independence Broadcasting Inc., headed by John C. Goodwill, to Lakeside Cablevision LP headed by previous KFIZ owner Donald G. Jones for \$3.5M. Independence Broadcasting has interest in KSAL-AM/KYEZ-FM Salina, KS; KDEL-AM/FM Oelwein, IA; and KEBC-FM Oklahoma, OK. In 1987, Independence Broadcasting purchased WFON from Donald Rabbit for \$3.3M, and purchased KFIZ along with WLIP-AM/WJZQ-FM Kenosha from Star Cablevision which was headed by Donald G. Jones for \$11,475,000.

Correction

Last month, this Newsletter had a story about an offer from the Texas Association of Broadcasters. TAB is selling a SAFETY PEN (not pin) for detecting dangerous AC voltages and AM rf fields. For more information call TAB at (512) 322-9944.



Society of Broadcast Engineers

Upper Midwest Regional Conference Presents

ALL-CHAPTER NATIONAL TELECONFERENCE

Wednesday, November 10, 1993
7:30 P.M.

Featured Panelists include:
SBE National President - Chuck Kelly
SBE National Vice-President - Terry Baun
SBE Executive Director - John Poray
SBE Counsel - Chris Imlay

SBE members nationwide are invited to tune in via satellite. Members will have the opportunity to phone in their questions and concerns to the featured panelists.

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Don Sanford, ITVA Madison

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Carolyn Shaffer, WMSN-TV

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Jane Wester, ITVA Milwaukee

Video Switcher:

Bob Goessling, WKOW-TV

Remote Truck Supervisor:

Tom Brownrigg, WPT

Audio:

Paul Wacek, WPT

Videotape:

Tom Smith, WPT

Camera Shading:

Joe Tannerbauer, WPT

Telephone operator:

Fred Sperry, WPT-TOC

Chyron 4100:

Sarah Laspisa, ITVA Milwaukee

Camera Operators:

Tina Hauser, TOC

Gordon Shea, TOC


Jim Hermanson, WKOW-TV

PA Sound Reinforcements:

Ken Sweet, WIBA AM/FM

(This newsletter regrets any omissions.

New volunteers should call Leonard Charles at 608-271-4321.)



Jim Rogers
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FCC News

MM Docket No. 93-225; FCC 93-370 Modulation Levels AM, FM and TV Aural

The FCC has issued a notice of inquiry on the measurement of broadcast aural modulation levels. The commission is seeking comment on what should be the definition of over modulation and on methods of measuring modulation limits. They are asking for a definition of the phrase "peaks of frequent occurrence" and if peaks of short duration over 100 percent should be given consideration and what their time and frequency should be. Also, the FCC would like information on whether or not modulation limits should be replaced by emission limits. Comments are due November 5, 1993, and replies are due December 15, 1993. Published in the FEDERAL REGISTER on August 23, 1993, pages 44483 to 44484.

GC Docket NO. 92-52; FCC 93-363 Reexamination of Policy Statement on Comparative Broadcast Hearings

The FCC is proposing that successful applicants in a comparative hearings be required to operate their stations for a period of three years before being able to transfer them. The current rules require that they hold the station for a period of one year. The purpose of this rule is to cut down on application abuse. Comments are due October 13, 1993; replies due October 28, 1993. Published in August, 1993, FEDERAL REGISTER, pages 44484-44485, and comment period was extended in September 15, 1993.

MM Docket No. 93-226; FCC 93-373 Restrict rounding of the Distance Separation Calculations

The FCC is proposing to restrict the rounding off of distance separations in cases of short spacing of FM stations. The rules now allow for rounding off to the nearest kilometer. The FCC would like to change the rule so that stations that do not meet the minimum distance requirements (short-spaced stations) would have to round off to the nearest 1/100th of a kilometer. Comments due October 18, 1993, and replies on November 2, 1993. Published in the FEDERAL REGISTER on September 22, 1993, pages 49278 to 49279.

FCC 93-382 Standards for Assessing Forfeitures

The FCC published the new list of fines in the August 25, 1993, issue of the FEDERAL REGISTER on pages 44767 to 44769. The became effective August 3, 1993.

FCC Rulemakings

Final Rules

ET Docket No. 92-9; FCC 93-351 Redevelopment of Spectrum to Encourage Innovation in the Use of New Telecommunications Technologies

The FCC has issued final rules for relocating fixed microwave operations in the 2 Ghz bands when necessary for the implementing of emerging technologies. This action allows for the future authorizations of new wireless communication services. The bands included are 1.85-1.99, 2.13-2.15, and 2.18-2.20 Ghz bands which were used for Private Operational-Fixed Microwave Service. These rules provide for the methods of transition including timetables, fee payments and tax certificates. Effective on October 4, 1993, and published September 2, 1993, in the FEDERAL REGISTER, pages 46547 to 46550.

MM Docket No. 92-304; FCC 93-416 Renewal Reporting Requirements

The FCC has issued a final rule requiring all full powered broadcast stations to report at the time that they file their applications for license renewal if their stations are on the air or have discontinued operations. This rule is to aid the FCC to determine if the grant of renewal is justified and in the public interest when a station has ceased operation. Rule is effective October 15, 1993, and was published in the FEDERAL REGISTER on September 15, 1993, pages 48323 to 48324.

Proposed Rules

MM Docket NO. 93-177; FCC 93-1024 AM Radio Service Directional Antenna Performance

The FCC has extended the comment and reply period on this inquiry. The new due dates are October 29, 1993, for comments and December 29, 1993, for reply comments. The FCC is seeking comments about its policies and rules when measuring AM Directional antennas. The extension was published in the FEDERAL REGISTER on August 27, 1993 (page 45311) and the original notice was published on July 6, 1993 (page 36184).

Panasonic



Panasonic Broadcast Systems Company
Division of Matsushita Electric Corporation of America

1707 N. Randall Road, #1-C-3
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(608) 493-2819
(708) 468-5180

HERB VAN DRIEL
Central District Sales Manager
(608) 493-2510(fax)

Ampex Cuts Product Line

Ampex is reorganizing its product line by dropping much of its older analog equipment and broadcast lines. Ampex will focus on its DCT Digital line for television production. They will also focus on production of their DST high speed data-storage equipment. Ampex also has plans to sell its tape division.

Ampex has lost \$200M over the last three years and has seen its VTR sales drop from \$184M to \$79.1M between 1990 and 1992. Also, Ampex's majority stockholder, N.H. Holdings owned by Ampex's Chairman Ed Bramson, has filed for bankruptcy. The company went through a series of owners during the 1980's and lost much of its management and engineering staff—particularly after Bramson took over in 1986. That buyout left Ampex with a large debt load which still affects the company.

(From BROADCASTING & CABLE magazine)

Information on this page
compiled by Tom Smith

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Broadcasters Clinic is Next Month

The University of Wisconsin, Madison, will hold its 39th annual Broadcasters Clinic Tuesday, November 9 through Thursday, November 11 at the Holiday Inn Southeast in Madison.

Topics to be covered include digital editing systems for radio and television, advancements in radio technology, Sony's pro MiniDisc, management's perception of engineers, digital audio compression, DAB developments, transient voltage surge protection, D-HDTV antenna considerations, tower regulations and procedures, computer applications for broadcast, ad-

vanced television systems, hybrid directional couplers, DCT systems and the 3Cs of of transmission.

The Clinic includes two presentations by Chapter 24 members:
Uplinking-Analog to Digital
Phil Mikalofsky, Chief Engineer
ECB Satellite Systems

TDR-FDR-line pulsing-sweeping
What is it? What do I need?
James M. Crooks, President
Broadcast Communications

The Clinic will also have over 35 exhibitors.

The fee for the seminar is \$150 for all three days or \$115 for any combination of two days. To register by phone or to get a form for mail-in registration, contact the University of Wisconsin at 608-262-2451, or FAX 608-262-8516.

SBE members can earn recertification points for attending the 1993 Broadcasters Clinic.

For further conference or exhibitor information, contact Don Borchert, 1955 Oakland Avenue, Sun Prairie, Wisconsin 53590 or phone 608-837-3462.
(Excerpts from Radio World)

New Tower Lighting Rules

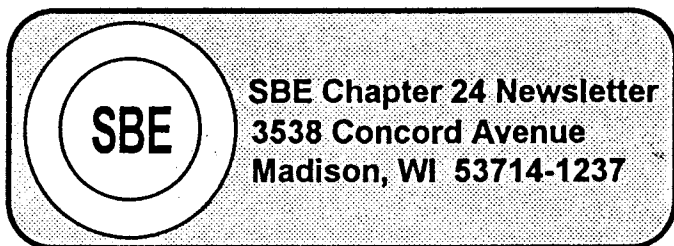
The FAA has published a revision to Advisory Circular AC 70/7460-1H, which references those regulations regarding lighting and marking of elevated support structures.

The FAA "advises" that all intermediate beacons currently installed within tower structures be replaced with two beacons mounted on the exterior of the tower face.

Another change deals with flashing of obstruction lights. All lights on a single structure should flash at the same time.

To receive a copy of this new circular, contact the FCC, Antenna Branch at 717-337-1212.

(From the October issue of the WBA Wisconsin Broadcaster)



FIRST CLASS MAIL

Tom Weeden
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Madison, WI 53711-3959

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OCTOBER MEETING and PROGRAM



Society of Broadcast Engineers
CHAPTER 24 MADISON, WISCONSIN
Tuesday, October 19, 1993

5:30 p.m. dutch treat dinner at Shakey's Pizza and Buffet
714 South Gammon Road (no reserved seating)

7:00 p.m. Business Meeting and 7:30 p.m. Program
at WMSN-TV, 7847 Big Sky Drive, Madison

**PROGRAM: C-COR/COMLUX, Inc. and
TODD COMMUNICATIONS present**

Metropolitan Video Fiber Networks Using Digital Fiber Optic Systems

Digital fiber optic systems for video transmission are being used in increasing numbers for video interconnect networks within metropolitan areas. The need is rapidly increasing within cities to have high quality, cost effective, interconnect capability among: TV broadcast studios, TV transmitter sites, teleports and satellite earth stations, public buildings and stadiums, educational and commercial video facilities and commercial CATV systems. Ken Regnier of C-COR/COMLUX, Inc. and Dan Takkunen of TODD Communications will present an overview of digital fiber optics and discuss examples of how a digital fiber system can be designed to provide a multi-function video network. The program will conclude with a question and answer session and in-depth handouts will be provided.

1993 - 1994 MEETING/PROGRAM DATES

<u>Date</u>	<u>Topic</u>	<u>Location of Meeting / Dinner</u>	<u>Presenter</u>
Nov. 10, '93	Wed. All-Chapters Teleconference	Holiday Inn S.E.	Leonard Charles
Dec. 16, '93	Thurs. Research, Development, and Implementation of PC-based Audio and Newsroom Automation	WKOW / CJ's Westgate	Dan Maney
Jan. 18, '94	Tues. Antenna Change Out	WMTV / T.B.A.	Rich Wood
Feb. 23, '94	Wed. Telephone Equip. for Broadcasters	WISC / Shakey's West	Stan Sarch
Mar. 31, '94	Thurs. NAB Review	Brat & Brau / Same	Members
Apr. 26, '94	Tues. Elections and Vender Program	Brat & Brau / Same	Roscor
May 25, '94	Wed. Advanced Electronics	UW Hospital? / T.B.A.	T.B.A.

Program Committee:	Mark Croom 271-1150	Kerry Maki 833-0047	Denise Maney 277-8001	Steve Zimmerman 274-1234
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