

FROM THE CHAIR...

By Leonard Charles

Thank you for your support in electing me as Chapter 24 Chairman. The history of past Chapter Chairmen is rich with accomplishments that will be a great challenge to continue. I am encouraged by the excellent slate of officers you have elected to serve with me and am confident that together we will continue our Chapter's success in providing you with what you need to flourish in your chosen career as a broadcast related engineer.

Soon, your officers will meet to begin formulating the direction our Chapter will take in the coming months and years. We will enlist the help of many of you to serve on the committees that are the heart of our Chapter. In our efforts to contact people we know are highly qualified, we may miss some of you who are ready and willing to take up whatever task may suit you to assist in our efforts. In order that we do not deprive ourselves of special talents some of you are ready to give, please contact myself or one of the officers immediately and make us aware of your enthusiasm to get involved. I assure you, if you are willing to contribute, you will not be turned away.

ELECTION RESULTS

Chair Leonard Charles

Vice-Chair Fred Sperry

Secretary Kerry Maki

Treasurer Paul Stoffel

IS YOUR STL LEGAL?

By Tom Smith

On July 1, 1993, all aural STL's on the 950 Mhz band must meet new type acceptance requirements. Most transmitters made in the last twenty years should be type accepted. If the transmitter does not have a FCC ID number, you will have to contact the original manufacturer for a type notification number. Some units will require some modification to meet the new FCC requirements.

If you are using an older transmitter, such as a Moseley model 101, 303 or 404, you will need to replace it. Also, the TFT 7700 will not meet the new specs. Older Moseley 505 will need to be modified. If you have any questions, contact the manufacturer. For further information, see Harold Hallikainen's article in the March 10, 1993, issue of RADIO WORLD from which the information in this article came. Also, Judith Grugl has an article in the May 12 issue of RADIO WORLD.

The reason for these new type acceptance requirements is to make sure that all STL transmitters did not violate the out of bandwidth specs of the FCC. Most of the older units may not make these specs, and the FCC wants them off the air in today's crowded spectrum space.

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MAY MEETING

DATE: Wednesday, May 19, 1993

AT: Old Swiss House Restaurant
1965 Barber Drive
Stoughton, WI

DINNER: 5:30 p.m.

MEETING: 7:00 p.m.
at restaurant

See map on back of program insert.

PROGRAM: 7:30p.m.
Meet at SYNCHROTRON RADIATION CENTER
3731 Schneider Drive
Stoughton, WI

April Minutes

Chapter 24 of the Society of Broadcast Engineers met on Tuesday April 27, 1993 for its regular monthly meeting at the Brat & Brau Restaurant on Mineral Point Road in Madison. The total attendance of the April meeting was 19. All 19 were SBE members of which 13 were certified.

Chairman Jim Hermanson called the meeting to order at 7:01 PM. Secretary Fred Sperry read the minutes from the March meeting. The minutes were approved as read.

Treasurer Paul Stoffel reported the Chapter's account balance.

Membership Chairman Leonard Charles mentioned that the National was considering amending their by-laws to change the grace period for renewal of National membership from six months to three months. Members

Continued on page 5

CHAPTER 24 OFFICERS

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Fred Sperry (WI Public TV/TOC)
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SECRETARY:

Kerry Maki (WMSN TV)
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TREASURER:

Paul Stoffel (WI Public TV)
W - 263-2175
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COMMITTEE APPOINTEES

Past Chapter Chairman:

Jim Hermanson

Program Chairman:

Steve Zimmerman

Membership: Leonard Charles

Sustaining Membership:

Stan Sarch

Strategic Plan: Dennis Behr

Special Events: Kevin Ruppert

Certification and

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Tim Trendt, Platteville

Freq. Coordinator: Tom Smith

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Terry Baun
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SBE MEMBERSHIP MEETING

April 20, 1993 Las Vegas
Convention Center (NAB)

Following introductions of Board members and other dignitaries in attendance, SBE president Richard Farquar made public the offer by the NAB inviting the SBE to take over the technical portion of the spring convention. Without going into any details or any counter offers, he said the board is evaluating options having made no decision yet. Farquar reported on other agenda covered at the Board meeting including some proposed by laws changes. The Board approved a change to make the Chapter Liason committee a standing committee meaning it will now require official appointment by future Executive Boards. Also, the grace period for national dues will be changed to three months instead of six. The reasoning stems from the fact that a non-member, one not current in dues but within the six month grace, could legally vote in the National election. The change to three months would prohibit that situation. Other bylaws changes will be of the "tidying up" nature, simply cleaning up some ambiguous language.

This year national nominations were announced and are: Charles Kelly for President; Terry Baun for Vice President; Bob Goza for Treasurer; and Keith Kintner for Secretary.

SBE Executive Director John Poray put in a plug for the SBE bookstore which opened up in the last SBE signal. Poray also announced three upcoming SBE road shows: May 8th in Elkhart, IN; June 18-19th in St Louis; and November 12th in Phoenix, AZ. Poray said the Chapter rebates will be in the mail June 1st and will be 15% of Chapter dues paid to date. Also John said the National SBE BBS is scheduled to be up an running by August 1st.

President Farquar plugged the SBE/RTNDA National Convention in Miami September 29 through October 2nd. In preparation of the Convention, new awards application forms have been mailed to chapter chairs. Farquar announced the net profit from the 1992 Convention in San Jose at \$26,800 helping the National to end the year with a \$9,000 profit. As far as membership renewals this year, about 2,500 members have renewed thus far, an increase of 10% over last year at this time. The current membership of the SBE totals about 5,000.

SBE council Chris Imlay was introduced and reported on a number of pending issues. On the SBE's push to get at least one Engineer as an FCC Commissioner, Imlay said that it is very early in the new Congress to know which way to proceed. He said that Representative Dan Ritter, who introduced the legislation in the last session, lost his bid for re-election. Chris did indicate that the effort was not dead but in re-organization. Imlay also reported that the SBE is no longer considering being involved with the privatization of FCC exams. The recent

membership questionnaire indicated a lack of enthusiasm on this issue and Imlay said it was felt to be not in the best interest of the SBE to be administering Exams not specific to the industry.

President Farquar entertained questions from the floor. Most of the questions centered around communication goals including specifics in getting more exposure in media publications to which Farquar responded favorably.

There was concern expressed about the lack of the SBE press releases on CIS of late to which Terry Baun volunteered as Liason committee chair to take up responsibility himself. The re-establishment of the Short Circuit publication to Chapter Chairs was announced as another opening of the communications lines.

A few recent certification examinees expressed dissatisfaction of the computer disk study guide offered by the SBE. National Certification Chair Jim Wulliman announced that a new revised study guide is close to release including more questions, a print routine, and a format more like an actual test. But Wulliman was adamant when he said that the study guide will never become a "memorize and pass the test" style of guide and that his committee is working hard not to let that happen.

In closing the meeting, President Farquar expressed education and communications as major goals of the SBE. He also expressed the importance of responding to the membership questionnaires in the Signal assuring all present that they are not ignored and are used as a tool to establish direction for the SBE. The membership was encouraged to write comments on the questionnaires if necessary adding that they will all be read.

SBE CHAPTER CHAIRS MEETING

April 20, 1993 Las Vegas
Convention Center (NAB)

Some 29 Chapters were represented. Following introductions of everyone, President Richard Farquar covered the status of the NAB offer to the SBE to cover the technical portion of the spring NAB convention saying that no decision by the board has yet been made and options are being considered. Farquar also put in a plug for the fall SBE/RTNDA Miami convention.

SBE Executive Director John Poray reported that chapter rebates are due out June 1st and that a chapter needs submit 5 attendance sheets for the year to be eligible for a rebate. Poray also made a plea for all chapters to forward the result of their elections as soon as possible to the National so that future paperwork goes to the right people. The re-issuing of Short Circuits to Chapter chairs is coming soon and there will be an effort to get that publication mailed to all newsletter editors as well. Poray solicited information of any Chapters regional conferences so that a listing may be assembled

and published in the Signal. Also, any Chapter Scholarship programs should be forwarded to the National for publication in the Signal. John plugged the SBE Video Library which is beginning to take shape and can be used as a source of local chapter programming.

It was announced that soon an effort would be made to move part of weather gathering spectrum needs to the 449MHZ band which would mean loss of some RPU frequencies from broadcasters. SBE council Chris Imlay is already formulating comments to go the FCC when the window opens. Imlay also informed the Chairs that because of the trend to contract engineers, the SBE is drawing up a model contract to be made available to members through the National office which can be edited for custom tailoring to the individual situation. This is hoped to be available by the Fall Convention. Also to be out soon is an update of the National Frequency Coordination program.

National Chapter Liaison Chairman Terry Baun, urged all Chapter chairs to look into close alliance with their State Broadcasters Association as an affective way to create regional conventions. Such arrangements are paying off for many chapters right now.

President Farquar solicited comments from the floor and received concerned from a few chairs of the loss of members following the dues increase of last year. They wanted to know the exact numbers and Farquar agreed to accommodate them. The general consensus was that SBE membership is cyclical and that the loss of membership could not all be accounted by the increase in dues. And the increase in renewal this year is a good sign for the future of membership. Concern was also expressed over the SBE certification computer disk study guide which is in the process of being revised.

In adjourning, President Farquar reiterated his commitment to increased education and communication efforts of the National to provide the Chairs with what they need to effectively run the local chapters.

Written by Leonard Charles



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AMATEUR RADIO NEWS

Compiled by Tom Weeden, WJ9H

●A 19-year-old New York man who used an amateur 2-meter rig to falsely report a downed aircraft in January was sentenced in late March to 60 days in jail. Wayne Michalak, who is not a licensed amateur, was also fined \$5,000 and ordered to undergo mental health counseling.

●The FCC has revised its amateur license form, which no longer includes a field for station location. The license still comes in two parts, a pocket-sized card and a framable certificate, but will only specify the mailing address. Prior to March, licenses issued included both station location and mailing address, which usually were the same.

●1992 was a growth year for ham radio, as the hobby picked up 45,000 new licensees. The Technician class license seems to be the most popular point of entry since the advent of the no-code option. Technicians now make up more than 30 percent of all hams.

●In a move to pin down responsibility for message content while not bogging down automatic message forwarding on the packet-radio network, the FCC announced a Notice of Proposed Rule Making (NPRM) on March 22. The Commission proposes to hold only the originating station and the first station in the auto-forwarding network responsible for message content. Stations farther down the line would no longer be required to screen messages and could allow their bulletin boards to operate fully automatically. Current rules hold each station along the network responsible for transmission content, requiring packet BBS sysops to screen messages, defeating the purpose of auto-forwarding. The NPRM was made as a result of several packet BBS operators being cited for retransmitting a business message, which is prohibited under amateur rules.

(From May 1993 QST Magazine)

RADIO....

Compiled by Stan Scharch

●A Kansas City, KS broadcaster has won FCC approval to operate 3 stations on 1340KHZ in a so-called "Superstation" arrangement. Two 1KW and one low power transmit sites will Synchrocast to provide KNHN a continuous coverage corridor of 200 miles across the state of Kansas.

●American Electrola is the name of a new U.S. radio receiver manufacturer operating in a formerly idle Pittsburg, PA plant. The AM/FM/SW radio is said to be the only portable made in the U.S. The plant employs 12.
(Excerpts from Radio World)

A special thanks to Kevin Peckham of Sony for sponsoring the April Sign On Breakfast. We had a very nice turnout and a good breakfast. It was a nice opportunity to get together with fellow Chapter members and have some coffee and conversation. Thanks again to Kevin and to those that attended!

Kevin Ruppert

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

MEANWHILE, IN ATLANTA AND ORLANDO...

By Neal McLain

NAB wasn't the only video-related convention to take place during the week of April 19. The Society of Cable Television Engineers (SCTE) met in Orlando for its annual Cable-Tec Expo, and the telephone industry's technical community met in Atlanta for Supercomm '93.

It remains to be seen how either of these two conventions, and the industries they represent, will affect the broadcast industry. But I think the long-term effects will be significant.

SCTE CABLE-TEC EXPO '93

I attended the SCTE show and the dominant message of the meeting was that the nationwide switched digital fiber-optic video/data network is on its way, and if the cable TV industry doesn't build it first, the telephone industry will.

The line of reasoning goes something like this. Right now, under the terms of the Communications Act of 1934 (as amended by the Cable Communications Policy Act of 1984), telephone local exchange carriers (or LECs, meaning local telephone companies like Wisconsin Bell, GTE, Mid-Plains, and Mount Vernon Telephone) are prohibited from providing video services within their telephone service territories. The only exception is the so-called "video dialtone" service, which allows telephone companies to offer video-transmission services on a common-carrier basis to non-affiliated programming entities.

Although nobody in the cable industry will admit it, there's a general feeling that the video-services prohibition will be repealed in the future. On the legislative side, the Clinton Administration (primarily at Gore's behest) seems to favor dropping the restriction. On the judicial side, Bell Atlantic is suing the government on first-amendment grounds. And at the FCC, two of the five commission seats are now vacant; when these seats are filled, they will be occupied by Clinton appointees.

LECs also face regulation at the state level, in the form of various state utility-regulation agencies such as the Public Service Commission in Wisconsin. It's not likely, however, that state regulation will prevent telephone companies from entering the video business once the restriction is dropped at the federal level.

So it appears that, one way or another, the local exchange carriers are going to be allowed to get into the cable TV business.

When that happens, their distribution medium will be a digital fiber-optic network. It

follows, therefore, that the cable TV industry must build its own fiber (or some sort of fiber/coaxial hybrid) network in order to remain competitive, and it must do it within the next year or two to head off the telephone companies. That fact dominated the SCTE meeting. The exhibit floor was filled with fiber equipment, and probably half of the technical sessions dealt in some way with fiber and digital video. Several speakers described major construction projects already under way, including Time Warner's "Full Service Network" in Orlando and New York City, and TCI's "Infostructure Network" in Chicago, St. Louis, and the San Francisco Bay area.

SUPERCOMM '93

I didn't attend Supercomm, but from everything I've heard and read, the dominant message at Supercomm was that the nationwide switched digital fiber-optic video/data network is on its way, and if the telephone industry doesn't build it first, the cable TV industry will.

The telephone industry's line of reasoning parallels the cable industry's, but there are a couple significant differences:

- They have no hesitation about predicting the downfall of the video-services prohibition, and they are using every possible recourse, legal and political, to hasten the day when they can enter the video distribution business.

- They're not about to give the cable TV industry a head start in building a digital fiber network. Indeed, several regional Bell companies, including Ameritech, already have construction projects under way.

ONE NETWORK, OR TWO?

At this point, I don't think there's any doubt about what's going to happen. A nationwide switched digital network, using some combination of optical fiber and coaxial cable, is going to be built; indeed, it's already under construction. Call it whatever you want: Fiber-in-the-Loop (FITL), the Full Service Network, the Infostructure Network, the 500-Channel Cable System, or Gore's Folly, there's no doubt that it will exist. The only question remaining is: who will build it, the telephone industry, the cable TV industry, or both?

I think the final network will be a joint effort. A few joint experiments are already under way. TCI, U.S. West, and AT&T are testing video-on-demand in the Denver area right now. Further down the road, the cable TV folks are going to have to interconnect with the existing telephone network in order to provide switched voice services (the LECs will probably fight this tooth and nail, but the Interexchange Carriers, like AT&T, MCI, Sprint, and Schneider, will welcome the opportunity). All parties will want to offer high-speed switched data-transmission services; any customer subscribing to this service will certainly want access to any other customer without regard to who owns the channel in between. In the end, the need to interconnect all customers in a single universal switched

network will drive all parties together.

In short, I think we'll end up with one nationwide fiber/coax network, universally available to all customers. Part of the bandwidth will still be analog, carrying cable TV signals (including broadcast signals), but the rest of the bandwidth will be digital, usable for video, audio, voice, or data as needed. And a significant portion of that bandwidth will be devoted to compressed video. The possibility of 500 video channels is not an exaggeration.

PROGRAMMING

Where will the programming come from to fill 500 video channels? The jokes are endless: the Curling Channel, the Knitting Channel, the French Cooking Channel. Notwithstanding the jokes, I do believe that the programming will be there when the transmission-capacity is there.

This argument is based three observations:

- As channel capacity increases, the cost-per-channel decreases. This has certainly been the case in the telephone industry: consider how the cost of a long-distance call has fallen over the years. It may not be so obvious, but the same thing has occurred in the cable TV industry: other things being equal, the cost-per-channel in a 36-channel system is lower than the cost-per-channel in a 12-channel system. Although this effect has been masked by dramatic increases in costs unrelated to transmission capacity (e.g., programming, capital, pole-attachment fees), the underlying principle is still valid. With a 500-channel system, the cost-per-channel will be far lower than it is with any video-transmission system in place today.

- With a switched digital transmission system, reliable two-way communication is possible. In present-day analog cable TV system, two-way communication simply isn't feasible, in spite of many attempts to do so. The main problem is due to the build-up of thermal noise in the return path from the hundreds of amplifiers used in a typical cable system. A switched digital system, on the other hand, is, by definition, a two-way system. There are few, if any, amplifiers in the signal path; digital signals can be regenerated if necessary; and signals are switched using time-division multiplexing techniques.

- Conditional access, on a channel-by-channel or program-by-program basis, is far more reliable, and easier to implement, in a digital transmission system. In present-day analog cable TV systems, access to specific channels is controlled by various trapping and scrambling schemes. These schemes aren't very secure, and they're very expensive to implement; as a result, only pay-TV and pay-per-view services are offered on a conditional-access basis. With a digital-transmission system, conditional access to video programming is implemented using data-encryption techniques similar to those used for any other kind of data. Data-encryption schemes are very secure (so secure, in fact, that the FBI is trying to get Congress to mandate "back doors" so they

can continue to monitor telephone conversations and financial transactions).

The result: a video-transmission system which combines relatively low per-channel cost with the capability of two-way communications and reliable conditional access.

I think that combination will attract a lot of potential programmers. The possibilities are endless:

●What would Larry Tisch do with a half-dozen two-way video channels into every cable home in the country? Or Dan Burke? Or Jack Welch? Or Rupert Murdoch? Or PBS? Or NTU? Or Paramount Pictures? Or Major League Baseball? Or Barry Diller? He certainly didn't buy into QVC to sell zirconium rings!

●What would Microsoft do with a two-way high-speed video/data channel into every cable home in the country? Or Apple? Or Radio Shack? Prodigy? Dow-Jones? Merrill Lynch? Lee Enterprises? Berlitz? United Airlines? McDonald's Corporation? UPI? The IRS? Ross Perot?

●What would UWEX and ECB do with a few two-way video channels into every cable home in Wisconsin? Or every elementary-school classroom?

●What would the School of Medicine do with a two-way video channel into every hospital and clinic in Wisconsin?

●What will the current crop of cable programmers do? HBO? Showtime? Disney? Discovery? MTV? Turner? ESPN? Right now, they're all talking about "multiplexing" their services: splitting them up into narrower segments for more narrowly-targeted audiences. How far can they actually carry that?

THE BROADCAST INDUSTRY'S ROLE

How does all this affect the traditional television broadcast industry?

In my opinion, in two ways:

●It certainly will mean more competition. Whatever affect the rise of cable television has had on the broadcast industry in the past is simply a harbinger of things to come: it will get more so.

●It will provide many opportunities for programming. With 500 channels, the appetite for programming will be voracious. What we now call a "TV station" may become the local program supplier for dozens of channels.

Neal McLain is Project Manager for Communication Technologies, Inc. (CTI), in Middleton, Wisconsin. The opinions expressed in this article are the author's, and do not necessarily reflect the opinions of CTI or SBE. And they certainly do not reflect the opinions of the cable television industry, the telephone industry, or the broadcast industry.

MINUTES

Continued from page 1

will have an opportunity to vote on this amendment during the National elections.

Sustaining Membership Chairman Stan Sarch announced that the Chapter currently has 24 sustaining members and that Maney-Logic, Electronic Industries, and The Tape Company were all recent renewals.

In Strategic Planning news, Steve Zimmerman mentioned that the committee is in the process of planning some activities for the Chapter's upcoming 25th anniversary.

Newsletter Editor Paul Stoffel then announced the deadline for articles to be submitted to the May newsletter along with the date of the newsletter folding session. Paul would appreciate receiving a floppy disk file (PC compatible) of sustaining members' business cards or logos in either the .TIF, .BMP (bitmap), or .PM4 (Pagemaker) formats. For the May newsletter, a number of the Sustaining Members' business cards have been scanned and imported directly into the publishing program to eliminate the need for cut-and-paste.

Program Chairman Steve Zimmerman announced the upcoming meeting. Special Events Committee Chairman Kevin Ruppert had nothing new to report.

Frequency Coordinator Tom Smith had no local activity to report but did comment on several national issues including a new software package the National will be making available to local frequency coordinators.

Chapter Liaison Steve Peck had nothing new to report.

Chairman Jim Hermanson then read a fax from Chapter 24's National Liaison Terry Baun regarding some issues at the National level.

In old business, Jim mentioned that a representative from Chapter 24 is still being sought to be part of the engineering planning committee for this year's WBA/SBE conference.

In new business, Jim announced the proposed change to Chapter 24's by-laws that would drop term limits for the offices of Secretary and Treasurer. Following discussion on this issue, Mark Croom moved that the by-law be amended as proposed. This action was seconded by Denise Maney and then approved by a majority vote of those members present.

Following this vote, Paul Stoffel requested that his name be removed from the ballot for the office of Secretary in the upcoming elections.


Chairman Jim Hermanson then turned the meeting over to Mark Croom of the Chapter 24 nominations committee. Mark reviewed the slate of candidates running for each of the offices and opened the floor to nominations for each office. Elections then followed.

Following the technical tips and discoveries session, several members who attended this year's NAB convention conducted a roundtable discussion of their observations from the conference as the evenings program.

— Secretary, Fred Sperry

CHAPTER 24 SUSTAINING MEMBERS

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MUST-CARRY and RETRANSMISSION RULES TAKE EFFECT

By Tom Smith

The new rules as required by the Cable Act of 1992 are in the process of taking effect. It is important for all TV broadcasters to be aware of these rules and their various deadlines to insure continued carriage of all of the cable systems in their coverage area.

All TV broadcasters are now covered by cable must-carry or retransmission consent. The new "must" rules work much like the old must-carry rules did before the courts overturned them. Retransmission consent allows a TV station to negotiate a fee from the cable system for carrying its signal. Many of the major cable companies have stated that they will not negotiate for retransmission consent.

Broadcasters should be aware of these deadlines:

April 2 Cable operators are required to give 30 days notice to subscribers and affected stations of deletion or repositioning of any broadcast stations carried.

May 3 Cable systems must notify all qualified noncommercial stations of the location of their main headend and notify local stations that do not receive automatic must-carry.

June 2 Cable systems must begin carriage of their must-carry complement of stations.

June 17 Commercial stations must choose between must-carry or retransmission consent.

August 1 Retransmission consent must be concluded.

October 6 Must-carry and retransmission consent agreements take effect.

The stations subject to must-carry include all stations in the market that the cable system is in as defined by the FCC.

This includes Corporation of Public Broadcasting certified stations.

Those stations not covered by must-carry include low-power, those covered by distant copyright laws and stations that fail to deliver a required signal of -45dbm for UHF or -49dbm for VHF to the input of the cable systems signal processing equipment.

A station may elect to supply a good signal by other means at its own expense.

Low-powered stations in markets smaller than 160 that follow rules for full-powered stations as far as programming in counties with no full-powered station and are in communities under 35,000 also receive must-carry protection.

A cable system may not charge a TV station for carriage under must-carry.

As far as retransmission consent goes, this is unbroken territory and the FCC gives only a few guidelines other than deadline dates.

Note that retransmission consent is not the same as copyright and is a payment to the station and not to the copyright holder.

So, the copyright holder could demand additional payment from the station.

The must-carry and retransmission consent agreement are renewable every three years, and a station can convert from one to the other at that time.

It is important for all stations to watch these deadlines carefully and act at the proper times to assure their coverage on all cable systems in their market.

The engineering department should help to pinpoint all cable systems in the stations coverage area.

These rules will no doubt be challenged in court and some of the rules changed or struck. It is to your stations advantage to take advantage of the rules as they now stand so you are in a good position if they change.

The text for the rules and a synopsis were published in the FEDERAL REGISTER on Friday, April 2, 1993, on pages 17350 to 17364. It can be found in any library that is a Federal repository, including Madison.

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LOCAL LEGALS

Compiled by Tom Smith

Ownership Transfers Grants

●WMAD-AM-FM 1109 khz./92.1 Mhz Sun Prairie. License assigned from DPC Inc. to WMAD Inc. for \$650,000. Action March 22.

●WITI-TV Ch. 6 Milwaukee. Transferred from Gillett Broadcasting of Atlanta to WAGA License Inc. for \$100 million in stock equity as part of restructuring of SCI Television Inc. parent of assignor and 2nd tier parent of assignee. Action Feb. 19.

Applications

●WMAD-AM-FM Sun Prairie. Seeks assignment from WMAD Inc. to Double D Broadcasting Ltd. for \$650,000. Filed April 2.

●WJJO-FM 94.1 Mhz, Watertown. From Joyner Radio Inc. to WJJO Ltd. (owners of WTDY/WMGD Madison) for \$1.6 million. Filed March 30.

●WKOW-TV Madison, WAOW-TV Wausau, WXOW-TV La Crosse, WQOW-TV Eau Claire, from Tak Communications Inc. Debtor in possession to WJQY-FM Licensee Inc. as part of reorganization for no cash consideration. Michael I. Eskridge, Trustee. Filed March 29.

New Stations

●Wausau, New FM. State of WI. Educational Communications Board seeks 91.9 Mhz; .056 kw, at 251 meters.

●Reedsburg, New FM at 102.9 Mhz. Thomas W. Bychinski, 2011 N. Dewey Street, Reedsburg, WI. Antenna Out 6 kw at 100 meters. Filed March 29.

●F.W.K. Broadcasting Co. W-238, S-6825 Highway 164, Waukesha, WI. Antenna Out 3.6 kw at 130 meters. F.W.K. Broadcasting is headed by

Frederick W. Kinlow who is permittee of KFKQ (FM) New Holstein, WI. Filed March 29.

Rulemakings

●Transfer of Mass Media and Common Carrier applications from FCC offices at Washington, DC., to FCC offices in Gettysburg, PA. Processing of broadcast Auxiliary applications must now be filed in Gettysburg along with common carrier forms. Effective April 16, 1993.

Docket FCC 93-187

●Radio Broadcast Services; Low Power TV; Application Acceptance Standard; Definition of Major Changes; Four Letter Call Signs. The FCC is asking for comment on streamlining its application process for requests in making changes in Low-power TV transmitting facilities. They are also asking of LPTV stations should be assigned four letter call-signs to put them on a better parity with full power stations. Published in FEDERAL REGISTER, dated April 28. Comments due June 8, 1993; replies July 16, 1993.

(Compiled from *BROADCASTING and CABLE Magazine* and *THE FEDERAL REGISTER*.)

CHAPTER 24 BYLAWS AMENDMENT APPROVED

At the April Chapter 24 meeting, members in attendance voted to amend Bylaws Article V, Section 2 to read:

"The Chapter Chair and Vice-Chair may be elected to consecutive terms, but shall not serve more than two consecutive terms in the same office, after which he or she cannot be elected to the same office for at least two years.

The Secretary and Treasurer may serve for unlimited terms."

News from SBE Chapter 28, Milwaukee


●Your SBE continues to negotiate with the NAB about an agreement wherein the SBE would take over the programming of the technical sessions for the spring and fall NAB shows....and meanwhile, the work on the SBE Fall Convention in Miami continues full speed. Exhibitor sales are ahead of schedule and from all indications our first joint exhibition with RTNDA in Miami should produce a unique and very valuable show. At the Board Meeting in Las Vegas, the SBE decided not to pursue becoming one of the contract test givers for the FCC examinations. Reason: There are no licenses requiring written exams currently mandated for use in broadcast engineering or related fields. Should this change, we always have the option to reconsider this decision and become a contract test site.

●All SBE members are invited to participate in the Second Opinion BBS at 414/873-7807. In addition to carrying information on the SBE and broadcast-related topics, and engineering programs, the board now carries three national networks: MediaNet, RelayNet, and BPCNET. This is also the place to leave messages on SBENET, the national SBE echomail conference. Later this year, when the SBE National BBS is on-line, you'll be able to send E-mail and messages to directly to Indianapolis via a local connect to Second Opinion.

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MAY MEETING and PROGRAM

**Society of Broadcast Engineers
CHAPTER 24 MADISON, WISCONSIN**

Wednesday, May 19, 1993

**5:30 p.m. Dutch Treat Dinner
at OLD SWISS HOUSE Restaurant
1965 Barber Drive, Stoughton, WI
251-2800**

Cornish hen will be the special served for \$6.95.

7:00 p.m. Business Meeting at the restaurant.

Visitors and guests are welcome at all our SBE meetings!

**PROGRAM: SYNCHROTRON RADIATION CENTER, 3731
Schneider Drive, Stoughton, WI. Roger Otte will show our
members some of the electronics behind the nuclear
accelerator. Meet at the Center at 7:30 p.m. for the tour. A map
is located on the back of this flier.**

Program Chairman Steve Zimmerman

