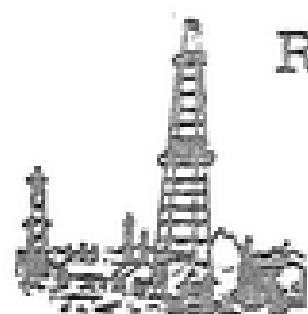


File copy
Jm



REGULAR MEETING OCTOBER 9--FCC EXTENDS COMMENT TIME ON 220MHZ
MID-OKLAHOMA REPEATOR INC.

Serving Central Oklahoma Amateur Radio Operators

MORI MEETING SCHEDULED--Leave us not forget that not only does october bring us football and football weather, but as an extra added attraction, a meeting of the Mid-Oklahoma Repeater Association. Scheduled discussions include weatherizing for winter, the new solid state control system (now in operation) for the 34/94 system and navel contemplation. As always, there will be coffee and doughnuts for all and plenty of free conservation.

FCC EXTENDS TIME FOR COMMENTS--Info via W5JJ and W5KOZ indicates that the Commission has extended the time necessary for replied to be submitted to them regarding the 220 Mhz band slice swipe. Thus we are all granted a reprieve if we have been errant in submitting comments. Details are available in last months newsletter for those of you who are thusly motivated. These reminders and suggestions. Your comments should first of all be rational, direct, logical, and intelligent. The Administrative Procedures^{Act} guarantees your participation in the rule making process. If you remember previous indications from the FCC indicate that a plan can undergo considerable change before becoming law, but there is little doubt that the Commission is dedicated to some type of Citizen Radio Service. The only question is how. Whatever you say, remember this: The Commission doesn't make decisions on what is right or wrong, but rather what are the interests to be balanced. Although large amounts of bootlegging, interference, and other bad habits associated with the Citizen's service seem improper to us, the question is not a moral decision in the eyes of the FCC. Obviously they think that the presence of large number of potential radios in mobile, portable, and base station operation outweigh some of the factors they will have to contend with. The basic interests to be measured and balanced are the individual needs of citizens in their everyday need for the conveniences of radio and the presence of large numbers of radio transmitters used in everyday service to provide public service type activities versus the obvious characteristics of turning over a segment of the band to essentially local operation which will, if the present 27 Mhz band is any indication, be essentially wide open with regard to any organized use. Granted there are other factors involved, such as the economic interests of the EIA and other manufacturer's groups who see the profit potential in such a venture, but if you can balance these factors in a reasonable and logical way and come out with the decision that the balance should go the other way, then you could help save 220. The decision will not essentially be clearcut. If the Commission should decide to grant the frequencies, there are still many other constructive suggestions that you can make to prevent some of the present abuses. Propose strict type acceptance and require that maintenance logs be kept on equipment so that if illegal operation results from a modification, then some licensed authority will be responsible. Ask the FCC to require the installation of digital id's that identify the transmitter every time the key is pushed. Remind the Commission that if they try to recover the cost of the administration of the CB radio service by imposing excessively high fees, that they will do nothing except encourage the illegal use of the band by many who will refuse to pay the price. The Commission has been trying to operate on a pay as you go basis (or perhaps that should be "we pay as they go") . The crux of the situation is that if the Commission charges the necessary fees that it would take to police the new CBers, then this will in turn, encourage these users from not paying up before keying their collective mike buttons. The solution is external funding from the Congress, but this is not a very popular subject on the Hill what with inflation and all. As far fetched as this argument is , it makes sense for the Commission to not make any decisions in the near future that will drastically affect their work load or their position. Add this to the current executive paralysis that is accompanying the Watergate investigation (a recent Washington official has said that nobody is doing nothing until they determine who is in charge) and you come up with the answer that the commission is slightly out of phase in taking on a task of this nature. This gives an idea as to how strongly the economic interests of the EIA have influenced the Commission. The Commission must establish regulations that force self regulation and responsibility on the individual operators or face the possibility of trying to find the money to police these new licensees. In summary, opposition is not the only factor you should place in your comments, but also include factors that will tighten up the responsibilities of the CB operators and remind them that they will have to accept some responsibility in the proper use of the spectrum.

CLAY, DEAN, I HATE TO TELL YOU THIS, BUT. . . .DEPT--Rumors are floating around in Washington, and they are no secret, and they indicate that Clay Whitehead and Dean Burch are both on their way out of the Commission and policy decisions in this administration. Dean Burch's decision is of his own volition, but the troubles involved with Clay Whitehead, the director of the Office of Telecommunications are of a different sort. Whitehead has apparently earned the animosity of a substantial number of important people and a recent issue of

BROADCASTING magazine reported that Whitehead thinks that many times, just the fact that his name is attached to a proposal is enough to give the kiss of death. Kind of makes you wonder since it was Whitehead's comment in the Notices of Proposed Rulemaking for the 220 Mhz docket which Ok'ed, from the government's standpoint, the sharing of 224-225 mhz with a disciplined Citizen's Radio Service. It's probably a bit thin to depend upon this to scrap the 220 proposal, but Whitehead's eventual departure, coupled with Dean Burch's possible resignation, and eventual replacement of Nicolas Johnson as a Commissioner means that many of those people who will be making hard decisions concerning our frequencies will be new to the process.

COMMISSION COPS REPEATER OPERATORS IN HAND SLAPPING--The FCC's recent public notice on August 30 which allowed operators of amateur repeaters who had their applications on file to continue their operation until final action is taken on their applications gives an interesting insight into some of the problems that we have encountered. Remember we have an anniversary coming up. It was one year ago on October 17, 1972; that the new rules for repeater operation were to become effective. As you remember, the Commission gave the existing stations until June 30 to bring their operations into compliance with the new rules and to obtain a new license. The FCC subsequently extended the deadline to August 30 and that has just been extended recently. Well, anyway, here we are, more than three months after the Commission thought that they would have all the licenses issued and everybody would be happy laboring under the new rules. But Ah so, this is not the case. The Commission is backed with applications, many licenses have not been issued, misinformation abounds about the proper way to get a repeater license, and the FCC in its public notice slaps the hands of the amateurs and sez, "it adheres to the view that all licensees have had adequate time in which to modify their operations and fully comply with our rules, although there may not have been sufficient time to obtain the licensing authorizations for repeater stations, control, and/or auxiliary link stations. Licensees operation of such stations under a previous authorization are cautioned their operations must otherwise fully comply with the rules. Licensees and control operators of stations not operated in compliance are subject to appropriate enforcement action." Gee, thanks boys. It's tough enough to get trustees, but just because licenses have been delayed, returned and otherwise neglected, you somehow feel that it is not your fault. But wait!!! The agency said that there were an "excessive number of problems" with defective amateur repeater station applications, contributing to wasted efforts and processing delays. But is it really our fault? Their logic leaves something to be desired when the following facts are considered. It was not the amateur fraternity that promulgated and interpreted what started out as a reasonable set of rules into a Kafkaish nightmare for repeater operators. It was not the amateur fraternity that left information concerning repeater operation so vague and subject to internal inconsistencies in processing that any chance of success was related to statistical possibility of obtaining a processor whom you had managed to talk to. The FCC said that they are developing suggested forms to eliminate many of the more frequently encountered "errors", but there is not any determination whether or not these forms will ever become "official." (The ARRL has a set ready for this purpose. Just write the ARRL Communications Department). Until help arrives, the Commission sez, "Amateurs are encouraged to develop more universally accepted terms and symbols for use in their application." If we do develop them, what assurance is there that the FCC will understand them? Fortunately the ARRL is taking some leadership in this direction.

KO Z CORNER--W5KOZ suggests that now is the time to get some of that antenna work underway before the cold weather, really takes over. When winter takes over, it's more likely that you will want to stay inside working over that hot mike, and not outside checking to see why water is running along the center conductor of your coax. Check your antenna for stability and look at the guy wires. Replace any that are doubtful. Tighten nuts and screws on towers and antennas and give that rotor an extra going over with grease. Check dipole center and end insulators for oxidation and good connections. Get it all done now so that you can keep your snow wings in the closet during the winter. Also don't forget to lay in a store of needed parts and supplies for repair and projects.

Another suggestion--did you procrastinate and miss the 1974 license call letter plates? Well, the deadline is passed for this year, but that is no reason why you can't start early for next year. Applications are available from W5KOZ.

LICENSING CLASSES KICK OFF--MORI member Jim Denman WB5EOL reports that the Red Cross has kicked off their licensing classes every Thursday for those interested in getting the novice license or higher. These classes are being taught by some of the brighter intelligencia of the OKC amateur radio population, so if you have any prospective novices better let them know of these important services. For info, give Jim a call at 681-6048 or call the Red Cross for information.

HEAR YE, HEAR YE.... A reminder that the next meeting in November of MORI will be for an election of officers. That will be November 6, 1973 in the City EOC. Many

people have been asking how MORI meetings are set. It is a rather simple solution. The meeting date is determined as the Tuesday of the first full week of the month. Meeting time is generally set at 8:00 p.m. by agreement of the club. Incidentally officers to be selected at the November meeting include President, Vice-President, and Secretary - Treasurer. All the offices are important and serious consideration should be given to your choices.

CALIFORNIA, HERE I GO. . . . WA5AOB just got back from a visit with his brother in earthquake country and gave a report on repeater operation on Route 66. Wayne worked about a dozen repeaters on his way out and sez that in general, the operation of many of the systems and their quality is excellent. Los Angeles found friendly QSO's with two repeaters on 34/94 and 22/82. One of the systems had a 30 second limit for its use! Needless to say, this device is instrumental in shaping the communications habits of Los Angeles amateurs teaching them that brevity is a watchword that they should be conscious of. This sounds like the Rx for any system that become the tool of long-winded operators who insist on continued use of the system and monopolize repeater operation.

W5CEP has checked out the new Motorola receiver and has ordered the crystals for 34 receive. This solid state goodie will replace the current tube receiver at the YTI site. At the same time that it will be switched into service, all levels, frequencies, and other parameters will be leveled and set and hopefully, the new solid state control and switching unit will dig in for the long haul. The new YTI maintenance crew consists of Mac K2GKK, Carl WA4AQW, and Mike WA9FDO. Ken WB5ECJ will head up the crew for the 07/67 machine.

The application for MORI is (as the latest word from WB5EOL) is still setting on the engineer's desk at the FCC. Fortunately we still have authorization to operate until action is taken on the application.

END AROUND THE WISHBONE-- WA5EPK reports that any OKC amateur who will be coming to Norman for the football games is invited to park at his house which is within one block of the stadium. All that is necessary is to let him know that you are coming. If there hasn't been much rain, then there is usually room for at least four or five cars besides my own, a friend's and WA5AOB'S. Norman prices usually get around \$2/car for general parking in this area, so save yourself a ripoff and park free for the game. My phone is 321-5453 and the first four to call get to park.

TECHNICAL ARTICLE OF THE MONTH-- This one has to be simple. Anyway, as almost universally understood, most FM operation is done in the vertical polarization mode. Depending upon your style of physics (whether quantum or wave or even wave particle) that can mean several things. For the purpose of this article, it is sufficient to say that if vertical polarization is used on one transmitter, then the optimum receiver conditions exist when it is similarly vertically polarized. Simple enough, except at 70 miles an hour. Now there are a lot more people in this club who know considerably more about antennas than I do, but I do know that those flexible 5/8 wavelength antennas do a considerable angle at 70 miles an hour, some where between 10 and 50 degrees depending upon location and wind. The result would appear to be that something is lost in the wind. Improper polarization could account for as much as a 20db loss (ask those who don't use circular polarization when working through OSCAR) and the difference could null out that new amplifier you got for the rig or of course the gain of the antenna. The solution is nylon (fishing line that is) and something on the car to tie the antenna to keep it straight up and down. When installing antennas, try to place them in the place that is the most parallel to the ground. Try it for a little while and see if it makes any difference in getting into the system. Some manufacturers manufacture those 5/8 wavelength antennas in a fiberglass model which would be an improvement. There are many variations on this problem, so we leave it to your own devices regarding alternate solutions to keep your antenna from blowing in the wind. This idea comes from W5HDX and WA5BPS in Tulsa.

NOT A BESTSELLER, BUTDEPT-- The executive committee is trying to prepare a manual to be distributed to new and prospective members of MORI which explain repeater operation and some basic procedures for the use of the repeaters in OKC. Suggestions are solicited from members and they should be directed to Sid W5KOZ whose address and phone number appear at the end of the newsletter. We will also draw on some of the discussions that have been mentioned in previous newsletters regarding repeater utility and usage.
MORI CALENDAR BARES ALL-- The club is still in possession of quite a few "Morning Glory" calendars which were sold to club members last year as a fund raising project for the club. Anyway they are taking up valuable space in the trunk of the secretary-treasurer and after suitable consultation with the president, we have decided to offer a fall bonus to any person who joins the club or renaws. He gets a free calendar. So what you say! Well, apparently you haven't seen it. Since the calendar has still october, november, and december on it, it should find itself quite useful until the end of year. In addition, after the end of the year, it will double

This offer will be made retroactive for the last month, so that those of you who renewed through the month of September, pick up on this. The only catch is that you will have to come to the meeting to claim your prize. The expense of mailing is prohibitive. Offer good while supplies last. Void where prohibited by law.

WHO , WHAT, WHERE, AND HOW GAME --The club is interested in obtaining information from members who perform minor public service via our repeater. With this in mind, we are going to institute a reporting system in order to determine what can be done. To be discussed at the meeting this tuesday, is a proposal for purchasing postcards which are printed with information that will ask that each radio operator who performs some service or emergency assistance will be asked to report it to the Secretary-treasurer for compilation. The information will take the form of the Date, Time, Call, Location, Situation, Assistance provided, other amateurs who helped, and the party assisted. Recommendations from the membership will be taken at the meeting. Cost proposals for the postcards will be available.

AROUND THE WORLD IN . . . --A tip of the MORI Newsletter hat to W5LFL, Owen Garriot after his successful splashdown in the ocean bringing to an end man's longest sustained stay in space with the Skylab II mission. He's a local boy (in origin), born in Enid, Oklahoma, and a graduate of the University of Oklahoma as well as Stanford. His first interest in the sciences came via , you guessed it, amateur radio. Of course most of this info is common knowledge to anyone who watches television and reads the paper, but we are repeating it because it brings up an interesting newspaper that we receive that would be of interest to most of the OKC amateur population. That is **WORLD RADIO/NEWS** and they featured W5LFL on the cover of their recent September issue. If you are interested in the human side of amateur radio, reading about people and places, then this paper is for you. Each month, it is chocked full with human interest stories about people who are hams. They also feature FCC reports about current goings on with regard to things of interest to hams. Joe WA5TRS, first put me onto it, and it is great to find people with this type of attitude. Subscription rates are \$5/year, \$9/ two years, \$13/ three years and \$50/life. Write to **WORLD RADIO/NEWS**, 2509 Donner Way, Sacramento, California 95818.

BARGAIN BILLBOARD

WANT TO BUY -- Roger Stephens K5VRX , 710 McCall in Norman, Okla 73069 is looking for ham items to buy. He will consider any type of gear that he can use to get on the air with. So if you have an old transmitter or receiver, Vfo or etc., then let him know by giving him a call at 329-1248.

MORI NEWS CALENDAR FOR OCTOBER

- 5 Aeronautical Center Amateur Radio Club. First friday of month.
- 9 MORI Meeting, 8:00 p.m., City EOC, 4600 N. Eastern.
- 11 Red Cross Instruction for Licensing. Contact Jim Denman WB5EOL. 681-6048
- 10 University of Oklahoma Amateur Radio Club Meeting 7:30 p.m. Rm 161 . Student Union.
- 19 Final Day to file comments of FCC notice of proposed Rulemaking regarding 220 mhz.
- VHF Club meeting
- 24 University of Oklahoma Amateur Radio Club Meeting 7:30 p.m., Rm 161, Student Union.

This newsletter is published by Mid-Oklahoma Repeater Inc, as a service to its members. For information about the club contact any of the names listed below or any member of MORI:

Sidney Gerber	W5KOZ	829 Bouse, Midwest City, Okla	73110	President	737-1050
Ralph Wood	W5JCQ	4740 Elm View, Del City, Okla	73115	V-Pres	672-2747
Wayne Hogan	WA5AOB	113 E. Morninside MWC, Okla	73110	Trustee	
Micheal Salem	WA5EPK	1324 Lincoln, Norman, Okla	73069	Sec-Treas	321-5453

MID-OKLAHOMA REPEATER INC.
1324 Lincoln
Norman, Oklahoma 73069



To Amateur Radio Station:

Here is your October MORI Newsletter!!!

Jim Crisp WA5DXP
13 SW 19th
Oklahoma City, Okla
OCT 10 1973

103 30 3
SUC! STREET NUMBER
Fay