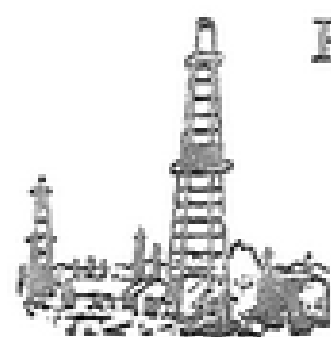


MID-OKLAHOMA REPEATER NEWSLETTER FOR AUGUST 1974



Regular meeting August 6th at City EOC--QST Editor to Speak--Ham Holiday

MID-OKLAHOMA REPEATER INC.

SERVING CENTRAL OKLAHOMA AMATEUR RADIO OPERATORS

MORI MEETING SCHEDULED--Our regular monthly meeting is scheduled for Tuesday, August 6 at 8:00 p.m. in the City Emergency Operating Center at 4600 North Eastern. For those of you who will still be in town recovering from the Oklahoma Ham Holiday on the weekend preceding the meeting, this would be a great opportunity for you to come on down and introduce yourselves and be welcomed to our meeting. Our speaker for the program will be Bill Smith W5TVB, Column Editor for QST's "World Above 50 Mhz." Bill was scheduled to speak at last month's meeting but last minute business commitments prevented his appearance at our last meeting. In addition a short circuit at the Post Office prevented the mailing of the newsletters until the day of the meeting. Hardly what would be considered sufficient notice. Nonetheless, more than 45 bright souls found their way to the meeting, notice or not. Good Show. We expect that by Tuesday, enough information will be in so that a report can be given by our Oklahoma Ham Holiday representative, Carl Freeman WA4AQW on the hamfest. Carl will also put together his famous comb of coffee and doughnuts (not original, but refreshing) for attendees.

HO KAY HEVERYBODAY--IT'S HAM HOLIDAY TIME---You've heard about it, its true. For a limited time and a limited time only, Appearing right here in OKC, the CORA Inc. Ham Holiday. Where all your dreams come true. There will be dancing, thrills, games (horsetrading) and the chance of a lifetime. Do send in your reservations as per the announcement in last months newsletter. Preregistration will be accepted up until the last minute for just \$3.00 at the CORA address: P.O. Box 15013, Oklahoma City, Oklahoma 73115. Reports that 200 preregistrations have already been received from all around the state, Texas, and Kansas. Flea market, Hidden transmitter hunts, commercial exhibits, meetings and the whole works will be available. And it will all be inside the Midwest City Holiday Inn under the airconditioned solar dome. Such a deal! MORI members will be there in force and the MORI newsletter will be there for visitors to have when they register so that they can have a little additional information about OKC amateur radio. The entire CORA gang is working to make this a success and all preliminary indications are that it will be. See you all there.

THE CHANGING OF THE GUARD--Congratulations are in order for MORI member Dennis Orcutt WB5ISN who recently volunteered as trustee for the MORI 34/94 repeater thus moving the mantle from the shoulders of old faithful, WA5AOB, who has carried it for nigh on five years. Many of you know Dennis, but we thought a brief biographical sketch would be in order. He is in his late 20's, has been licensed as an amateur for over two years, works in commercial two way radio for the only phone company in town, and has an interest in electronics and that kind of stuff that extends back into high school. He is survived by his wife, Sandy, (trustees have a nasty habit of not being around the house too much) and might be described as a character, but there was no question of his sincerity and interest in MORI. Our 34/94 system will simultaneously get a new trustee and a new location. WA5AOB will continue to be of service (as he has for the past five years!) serving as trustee until the paper work is processed by the Commission. We also have to remember to submit another change of trustee application for 07/67 WR5ADF so that Ken Eason K5VVZ can officially assume that responsibility as he prepares to move 07/67 to the new tower!

THE OLD GUARD RETIRES-ALMOST---There are few words that can express the effort and work that has been given by WA5AOB (Apples, Oranges, and Bananas) for the unselfish work and time contributed by Wayne these past few years. Many was the time that the job was more work than a busy man such as Wayne should have attempted, but he made the effort and got the job done. And the result was the building of a repeater and of a service. Wayne will still be

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of service to the club, acting in the capacity as trustee for WA5YTI, the Red Cross two meter station installed and contributed by WA5AOB and MORI. MORI will continue to benefit from his hard work and leadership and there is no way that we can pay him back for the work that he has done.

TRUSTEE REPORT--THERE'LL BE SOME CHANGES MADE--WA5AOB has meanwhile reported the things are going well in the moving of the repeater. The Duplexer, newly arrived, from Phelps Dodge has been installed for testing purposes at the old repeater site and has been in service for several weeks. With 39 watts in, it is getting a respectable 32 watts out into the single antenna. It will be very easy to get symmetrical coverage with the repeater at the new site because we will be receiving and transmitting off the same antenna. In addition, the repeater has been running off the bottom antenna at the old site (150 feet) and this appears to be better than the 200 foot level! Apparently the top antenna has taken too many lightning strikes. (Wayne reminds us of the time that he went to the repeater site and found the coax in a welded state. A refurbishing of the antenna may be in order when it is moved, in addition, a new harness for the antenna is planned and about 75 feet of half inch foamflex solid jacketed aluminum cable will probably be substituted for the feedline. Plans are currently being made for the mounting of the antenna on the First National Bank and a couple of sure footed volunteers will probably be needed when the time comes for the mounting. This will have to be carefully done in order to avoid any possibility of injury to personnel or the building. Mountain goats may apply.

07/67 MARCHES ON--Ken reports that 07/67 will be moving to the WKY site very quickly, about the same time that 34/94 goes to the bank building. Tower climbers are currently on vacation, but their return and a few small tasks and the repeater should be ready to get on the air. Ken sez for everybody to get your crystals and get tuned up, because the time is nigh! Ken makes a few points that should be mentioned and that is that monitor stations should always be listening on the frequency, but if you call them, unless it is an emergency, it is possible that they won't answer you. Control will be by telephone line, so several of them will only have a receiver for monitoring and no transmitter. Please don't impose on the monitor stations by asking for signal reports. They will always be available for emergencies and assistances of this type. Also please don't place orders for 67 transmit crystals. Because 07/67 is a relatively unoccupied pair, we have chosen to guard the output frequency by installing a lockout receiver on 67. When anything appears on 67, other than the repeater, the repeater will be shut off. It will stay off until the offending signal goes away. Please don't compromise the service by transmitting on 67 direct. The lockout will be located with the regular receiver.

WATERMELON--PART I---Discussion at the meeting about the possibility of holding a watermelon meeting in September. Basic suggestion is that we meet in a local park (or somewhere near the EOC) with cold watermelons in hand (if we can get somebody to make a run down to Rush Springs), a knife, some salt, and a big trash can. If you would like to help, come to the August meeting or call Sid Gerber W5KOZ 737-1050. Sounds good to me.

FCC LOOSENS LOGGING REQUIREMENTS--Actually, there has been a whole host of FCC action on the amateur radio docket. The Commission has issued a notice of proposed rulemaking to delete rules prohibiting the linking of more than two repeaters. It's docket No. 20073 (wonder if Wayne Green had anything to do with the last two digits?) Deadline for filing comments is September 18, 1974. And see August QST for more details. The Commission also announced that they decided not to take any of the 450 Mhz band for a proposed Emergency Medical Service 73 Hotline had reported that Motorola already had some equipment on the drawing board. Hmm Exam changes are under way. The civil service commission will supervise commercial and amateur radio licenses. The experiment will last 18 months. The results could bring about some needed changes in the licensing structure examination procedure. Those logging require-

ments which we mentioned have been eased considerably. Only the location and dates of any operation (except mobile), signatures of visiting control operators, and third party traffic need to be logged. Section 97.111(f) remains unchanged (Relating to repeaters). A provision has been included that will the Commission the power to require a given station to log information as may be considered necessary. Of course, there is nothing that will prevent you from keeping as complete a log as you desire. In fact, those of you who might experience TVI complaints would do well to consider keeping complete logs. It's a funny thing, but changes this significant in the logging requirements could have a widespread effect on our operating habits. Imagine all of the conversations that will collapse for lack of subject matter since a lot of logging info need not be swapped. Probably not. Hams rarely lack things to say. The above info comes to us by way of HR Report and Hotline.

MORE HOT TIPS FROM HR REPORT-- "QUIET NOISE IN YOUR MOBILE" with the help of an excellent 16 page booklet on the subject from Champion Spark Plug. Request your free copy from Champion Spark Plug Company, Automotive Technical Services Department, Box 910, Toledo, Ohio 43661. Ask for "Giving Two-Way Radio Its Voice." We had intended to present some info on this subject that was garnered from publications by Motorola and also from the Vehicular Technology Transactions of the IEEE, but this book will beat us to it. Never can tell, might just include it anyway for those of you who don't have a 10¢ stamp. Also from HR Report . . . Probably most-cited mobile rule violation is an omission of call area in ----/Mobile. A mobile in California is "W6XXX/mobile six" and just a straight " /mobile " can get you a pink ticket. Also your original ticket must be with you, too, whenever you're operating -- a photocopy is Ok for the shack wall, but you must be able to present your original license whenever you're operating an amateur station. We might also add, Those of you who are in the habit of identifying your station with just phonetics can easily earn your very own violation. Phonetics are for clarification, not identification.

BACK TO FIRST CLASS-FOR A WHILE- Post Office mixups do occur. For whatever reason, the MORI Newsletters did not get delivered on time. The editor had to make a trip to the local agency of the Postal Service the day of the meeting to find out what the problem. Then after it was straightened out (and of course, no meeting notices), it took as long as ten days for some to get their newsletters. Most unsatisfactory, even for bulk rate mail. We are mailing again at first class and will examine the situation. There were more complaints about the mail service than previously anticipated. Meanwhile, the newsletter is first class again.

THE BIRTH OF THE PORTABLE--An article in a recent issue of the Chicago Guide discusses police and public safety communication and credits the British (pip pip) with some of the early experiments with portable radios. In Brighton in the 1930's, wireless sets were installed in Bobbies helmet. Headquarters would send a signal informing the officer to call in from the nearest phone box. Further along, in the summer of 1961, ten sets of Motorola radios were bought by the Cheshire Constabulary at a cost of \$7,000. Each radio consisted of a 12 ounce receiver about the size of two packs of cigarettes and was carried in the breast pocket. A 45 ounce transmitter was hung from a web belt over the right hip and connected to a receiver by a plastic tube (vacuum tube or valve ?) which also supported the antenna (radiator). This outfit operated at 1 watt on the 144 Mhz band. These units were well thought of and Motorola was encouraged to continue experimentation in the field. The eventual result was the portable radio which has become the standard in police work today. The story also reported that problems in spectrum utilization began to plague many towns when radios became a common occurrence. Some frequencies in the public safety spectrum handle as many as 23 different police departments with density in some areas going up to 36 repeater systems on a single frequency. The lesson is obvious. According to the Hotline, the FCC has processed over 978 repeater licenses and have 225 applications still in hand at this time. The Commission itself is wondering where all these

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is interfering with another station? In addition, how do you weigh in the needs of all the various repeater users and their interest in keeping the repeater on for members use? These are some tricky problems. Meanwhile, all we can use is self regulation. Each person must weigh these facts in his mind when deciding whether to use a repeater frequency as a simplex frequency. How do you preserve the rights of simplex operation while still allowing repeaters to stay on the air? Do you recognize their service potential in denigration of the experimental nature of the amateur (or their stubborn independence). We must cooperate or else we will be inviting regulation.

BARGAIN BILLBOARD

FOR SALE--HR2A, with six channels of crystals. Price is \$175.00. Contact Larry Dillard WB5CWB. Phone weekends only 685-4065.

FOR SALE--DYCOM Model Super "D" Amplifier. 20 Watts in/70 Watts out. Belongs to O.U Radio Club. \$49.00. Also HyGain Magnetic 5/8 Wavelength antenna \$15.00. Contact Micheal Salem WA5EPK. Phone 321-5453 or see at meeting.

FOR SALE--Many and various components for Hustler mobile antenna systems. All for the High Frequency Band. Resonators for 10, 15, and 20 meters. Also code practice records for 33, 45, and 78 rpm. Contact Carl Drumeller W5JJ, 789-3788.

Got something to buy, sell, or trade? Let us know. Write or call the Editor before the 15th of the month preceding the mailing of the newsletter. News items and technical articles are also welcome. Equal time (within space limitation) will be offered to any member sufficiently offended to write in about it. The MID-OKLAHOMA REPEATOR NEWSLETTER is published by Mid-Oklahoma Repeater Inc. as a service to its members. Members may request additional or back issues of the Newsletter, if available. Mid-Oklahoma Repeater Inc. would like to exchange newsletters with other amateur radio organizations and will mail a monthly copy free to any club that will do the same. Bulk rate mailing privileges paid at Norman, Oklahoma. For information about the club, contact any officer or member of Mid-Oklahoma Repeater Inc.

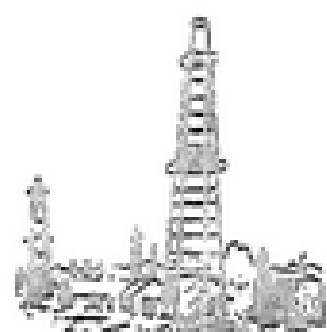
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Ken Eason	K5VVZ	7132 N. W. 21	Bethany, Okla	73008	Trustee	789-2200

MID-OKLAHOMA REPEATOR NEWSLETTER
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FIRST CLASS MAIL

HERE IS YOUR AUGUST
MORI NEWSLETTER!!!

HAM HOLIDAY EDITION



MID-OKLAHOMA REPEATOR INC.

SERVING CENTRAL OKLAHOMA AMATEUR RADIO OPERATORS

WELCOME TO OKLAHOMA CITY AND THE HAM HOLIDAY--This special edition of the Mid-Oklahoma Repeater Newsletter is for those of you who will be attending the Ham Holiday this weekend in OKC. Included is an information sheet about Mid-Oklahoma Repeater Inc. and the various services that it operates. We hope that you will enjoy your visit to OKC and the use of the Holiday Inn Solardome for our hamfest. To those of you who are wondering, "What's happening in Oklahoma City in Amateur Radio and what is CORA?" Here are a couple of questions and answers:

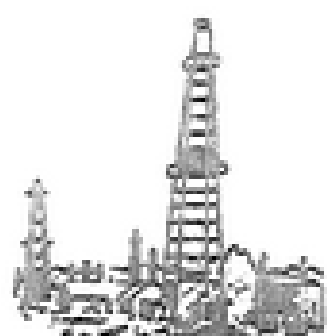
WHO IS CORA, INC. --- Glad you asked. This past year in OKC, several clubs including Mid-Oklahoma Repeater Inc., decided that it had been long enough since Oklahoma City had its own hamfest. It was generally agreed that OKC's central location made it an ideal selection. So after much cooperation and incorporation of a subsidiary corporation, CORA Inc. for Central Oklahoma Radio Amateurs. Several months and a lot of hard work by many volunteers and the Oklahoma Ham Holiday is the result. It was not intended to preempt other hamfests, but given the nature of ham operators and their propensities to attend hamfests, the location advantage, plus the inside air conditioning of the Holiday Inn gave advantages that couldn't be obtained elsewhere.

WILL THE HAM HOLIDAY BE AN ANNUAL AFFAIR? -- Could be. The success of this effort will be carefully measured. Should it appear that the Ham Holiday was one hamfest that is beneficial to all concerned, then the show is on. Being a nonprofit organization, CORA has vowed to pour every excess dollar in return to the Ham Holiday goer in the form of prizes and services. Enjoy.

WHAT'S THE REPEATER SITUATION IN OKLAHOMA CITY AND ENVIRONS?

Notwithstanding the repeater atlases and other hotbeds of inaccurate information, here is a brief rundown of repeaters in the OKC area for your use while visiting. All repeaters are currently listed that are being contemplated whether they are on the air and licensed or not.

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|-----------|--|
| 146.34/94 | Open. Mid-Oklahoma Repeater Inc. Located in Downtown Oklahoma City on the First National Bank. Approximate height is 400 feet. WR5ADE. |
| 146.07/67 | Open. Mid-Oklahoma Repeater Inc. Located in Northeast Oklahoma City at the WKY-TV tower. Approximate height is 700 feet. WR5ADF. |
| 146.22/82 | Open. Oklahoma City Autopatch Inc. Located in Northeast Oklahoma City at KWTW tower. Approximate height is 1400 feet. WR5ACB. Autopatch has priority over the frequency. Visitors are asked not to access the patch, but to ask members of OCAP to place calls for them. |
| 146.16/76 | Open. Western Electric Amateur Radio Club. Located in Southwest Oklahoma City. Approximately 200 feet high. |
| 146.28/88 | Open. University of Oklahoma Amateur Radio Club. Located in Norman. Approximate height is 110 feet. (License application in process, but off the air.) |
| 146.25/85 | Open. Private, but open for use. Autopatch will be available. (License application in process, but off the air.) |
| 147.81/21 | Open. Oklahoma City Autopatch Society. Located in Northeast Oklahoma City. Approximate height is 200 feet. WR5ACB. |



MID-OKLAHOMA REPEATOR INC.

SERVING CENTRAL OKLAHOMA AMATEUR RADIO OPERATORS

MID-OKLAHOMA REPEATOR FACT SHEET

Mid-Oklahoma Repeater Inc. is a nonprofit organization incorporated under the laws of the State of Oklahoma whose goals include the rendering of public service, the promotion of good operating procedure, and the establishment of good will and unity among all amateur radio operators in the Oklahoma City area. Membership in the club can be obtained by payment of dues (\$12.00/year or can be paid by the month) by any person holding a valid Amateur Radio Operator/Station License.

The club operates two VHF Repeater Stations licensed by the Federal Communications Commission for the use of its members:

SOUTH REPEATER--The 146.34 Mhz input/146.94 Mhz output repeater located in downtown Oklahoma City atop the First National Center at Robinson and Park Avenue. The repeater has an overall height above average terrain of approximately 400 feet and features mobile and portable coverage to most stations within a 25 to 35 mile range. Call letters are WR5ADE.

NORTH REPEATER--The 146.07 Mhz input/146.67 Mhz output repeater located on east Britton Road at the transmitter site of WKY-TV. The overall height of this system is over 750 feet and features advanced coverage on an essentially interference free channel. Call letters are WR5ADF.

Both repeaters are available for the use of any member of the club. In addition, the club solicits the use of its repeater systems by visitors and transients passing through this area. There is no coded access for either system. Visitors who stay in Oklahoma City for extended periods are asked to contribute to the maintenance of the systems by paying dues at the monthly rate.

Club meetings are held the first Tuesday of the first full week, counting Sunday as the first day, of every month at 8:00 p.m. at the City Emergency Operating Center at 4600 North Eastern as announced in the club newsletter. Visitors or interested parties are encouraged to attend.

For information about the club, please contact the Secretary-Treasurer, any member of the membership committee, or any member of Mid-Oklahoma Repeater Inc.

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