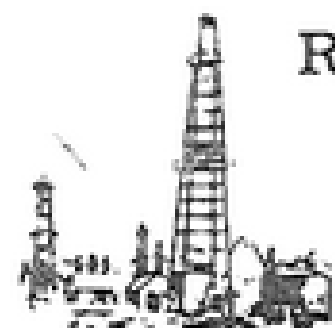


MID-OKLAHOMA REPEATER NEWSLETTER FOR JULY 1974



Regular meeting July 9th at City EOC--QST Editor to Speak on VHF and Repeaters

MID-OKLAHOMA REPEATER INC.

SERVING CENTRAL OKLAHOMA AMATEUR RADIO OPERATORS

MORI MEETING SCHEDULED--Our regular monthly meeting is scheduled for Tuesday, July 9th at 8:00 p.m. in the City Emergency Operating Center at 4600 North Eastern. Our program plans for this meeting include a discussion by Bill Smith W5TVB, Proprietor of QST's "World Above 50 Megahertz." Bill's topic for the meeting will be "Repeaters and their Influence on VHF and UHF Activity." This is one topic that he has been gathering a lot of data on about the country. Bill might also have a demo model or two of those nice KLM Amplifiers for us to look at. Should be an interesting program. Don't forget that coffee and doughnuts will be a regular part of the meeting.

MEETING THE MEETING--We get an inquiry every so often as to how we determine our meeting dates. It is really quite simple. MORI meets the Tuesday of the first full week of the month taking Sunday as the first day of the week. July is a good example in this regard. Sunday was the last day of the month of June, thus we would not meet on the 2nd, but rather the 9th. This means that there might be more than 4 weeks between meetings, but we opt for this formula rather than announcing meeting dates that are selected by the officers.

CORA STRIKES--The first mailout notifications for the Central Oklahoma Radio Amateur's **HAM HOLIDAY** have gone out. In addition, MORI members are hereby advised to take the enclosed application blank for the mailout, fill it out, and return it to the following address: **OKLAHOMA HAM HOLIDAY**, P.O. Box 15013, Oklahoma City, Oklahoma 73115. You can preregister now for just \$3.00 and save \$1.00 over the registration at the door. Activities will include a flea market, Hidden transmitter hunt on 146.52 Mhz., commercial exhibits, meetings and the works. And as for the little lady, bring em. Fashion shows, shopping tours, at the new **CROSS ROADS MALL**, handwriting analysis, art displays, etc. Meetings for ARMY,

* OKLAHOMA HAM HOLIDAY ADVANCE REGISTRATION FORM- MAIL TODAY !!! *

* NAME _____ CALL: _____ *

* XYL _____ CALL: _____ *

* ADDRESS: _____ *

* CITY: _____ STATE: _____ ZIP: _____ *

* Enclose check or money order payable to CORA, INC. in the amount of \$3.00 per person. *

* MAIL TO: OKLAHOMA HAM HOLIDAY, P.O. BOX 15013, OKLA. CITY, OK. 73115 *

* FOR OUR RECORDS please fill out the following questions. *

* We (WILL)(WILL NOT) be able to attend in person. (If no, you will be eligible for the advance reg. and grand prizes.) *

* WE WILL STAY AT THE HOLIDAY INN YES() NO() *

* WE ARE PLANNING TO COME BY R.V. YES() NO() *

* WE WILL ATTEND THE QCWA BREAKFAST YES() NO() *

* WE WILL ATTEND THE SUNDAY BUFFET YES() NO() HOW MANY() *

* FOR HOLIDAY INN RESERVATIONS AND SPECIAL PRICES SEE REVERSE. *

NAVY, and AIR FORCE MARS, also QCWA. Programs by General Electric on Mobile FM, International Crystal on oscillators, and a discussion on severe weather by Ross Dixon are also planned. The advance registration prize is a SBE SB-144 2 meter transceiver, plus two HAM II Rotors as Grand Prizes. Other door prizes are arriving daily and will be awarded at the end of each program. And the most spectacular part of the whole affair will be the SOLARDOME of the Holiday Inn-East on I-40 in OKC. The dome is one of only two in the country and is an ideal location. All activities, including the flea market and meetings will be inside the fully airconditioned dome. Special rates have been granted by Holiday Inn or you can make your own arrangements elsewhere. You can also check in at the Rendezvous Trail of America camp if you are a R.V. fan. This should be quite an affair from the first commercial exhibits which open on Saturday morning to the HiBall-EyeBall Saturday evening through the Grand prize drawings on Sunday afternoon. You can obtain further information at the **HAM HOLIDAY** address listed above. You'll make plans to be there!!

OKLAHOMA TORNADO BREAKOUT--Accolades are still pouring in for the job turned in by OKC Amateurs during the June 8th tornado outbreak which saw millions of dollars of property damage in over 20 counties of the state and a death toll of 14 and still growing. One of the bright spots of this dreary afternoon was the weather and tornado spotting done by OKC amateurs in Mid-Oklahoma Repeater and Oklahoma City Autopatch in providing information and assistance to the public and public officials. A net was called on the OKCAP 22/82 frequency about noon that day to watch for severe weather. During the afternoon, Tornadoes struck at the weather bureau and airport in south OKC. These were tracked out of the area and were eventually the storms that struck Drumright and Tulsa. As other storm cells developed, information was relayed into and out of the radar control site at Channel 9 by way of amateur radio. One cell that was tracked out of the OKC area was eventually spotted by WB5ERN in Shawnee turning into a full fledged tornado that set down (fortunately) north of town. Randy's report came in about five minutes before WA5DGL from Shawnee called in to report that their fire department had spotted the storm. Other amateurs such as WA7TCA and others made trips into areas near OKC hit by the storm and reported back conditions and assistance needed to the Red Cross and net control. When the activity died down in the City, Tulsa braced itself for the storm and the Tulsa repeater organization swung into action and provided yeoman's work as the storms ravaged their city. After the tornado hit Drumright, Dan K5FVL from Stillwater, was one of the first amateurs checking in from that location 55 miles from the 22/82 repeater site, reporting and confirming the tornado and describing the areas hit. Others members of the OSU Radio Club arrived and a beam quickly went up at one of the churches designated as a disaster center. WA5ZOO and WB5LYG went to Drumright on the 10th and relieved the W5YJ bunch. In all, more than 65 messages were handled and any number of informal traffic requests. Traffic was also handled from the QTH of "Doc" WB5ANM on 3900 KHz and 34/94 with Tulsa. Traffic also went by way of 52 simplex to Stillwater and W5YJ and then onto other frequencies. Lists of some of the injured were relayed to the OKC Red Cross by way of W5YJ, to WA5EPK by way of 22/82. Other help was provided by W5MCJ, WA5JGU and others. Although we train to provide efficiency for these occasions, there is no doubt that events like this are learning experiences in themselves. Preplanning is important. The contingency plan which was mentioned in the previous letter went into effect as soon as the net on 22/82 was called. More than 20 amateurs checked in formally. Still there was some traffic passed on the repeater that was not priority. While tornadoes were in the air, there should not be information of much less important priority disassembling net procedures. Bob K5PJU, MORI member and president of OKCAP suggests these pointers. 1. Tracking tornadoes and severe weather is the highest priority on the 22/82 frequency. Other information, please QSY to another repeater or direct as per the contingency plan. 2. Interrogate no other station except through net control. If properly done, it takes little time and maintains order on the frequency. 3. When supplying information to net control, give your exact location plus specific observations -- Use plain

language -- Your information must be understood not only by radar control, but all other listeners and spotters. Describe exactly what you see. Don't exaggerate. Don't make judgements that are better left to meteorologists. 5. Judge the importance of the information that you are supplying in proportion to the matter on the net at the moment. If the net is discussing rain patterns, and you see a tornado, break in immediately. Conversely if a tornado has been spotted, don't break in with a rain report. 6. During typical spotting activities, those weather observations that most interest net and radar control are high winds with hail and driving heavy rain. Report all cyclonic motion (counterclockwise) that you can confirm. And of course, rain reports are useful if there is no net business of a higher priority. Cloud structures are especially useful if they conform to some of the examples presented at our various training sessions as indicative of potential severe activity including tornadoes. There is no doubt of the valuable public service that this plan has provided. KWTW has received many complimentary letters and themselves feel that their donation of tower space for the fabulous 22/82 repeater is worth it. We can continue to receive this publicity and generate good will for amateur radio and at the same time sharpen our skills. Since any complaints about the amateur performance that Saturday were minor, there is no reason why we can't achieve a near perfect effort every time. Good Show!!.

MORI EMERGENCY ASSISTANCE LOG--This list of public service of the more mundane nature still provides a valuable tool to the City and County. This assistance was provided by way of Mid-Oklahoma Repeater's 34/94 machine:

- 5/21/74 6:20 p.m. W5OZE reported a signal light stuck at the N.W. Highway and U.S. 66. He called the EOC.
- 5/21/74 10:58 p.m. WA5LTM reported a car weaving on the road as if the driver was intoxicated, in the westbound lane of the Northeast Expressway and I-35. He notified the EOC.
- 5/23/74 4:48 p.m. WB5AGX reported a signal light stuck at N.E. 36th and Kelly. He notified the EOC.
- 5/23/74 5:32 p.m. W5RLJ reported a stalled car on the Robinson street exit in the Westbound lane on I-40. He notified the EOC.
- 5/28/74 4:00 p.m. W5JCQ reported an accident with injuries at S.E. 74th and Douglas. He notified the EOC. Ambulance and police were dispatched.
- 5/2/74 3:36 p.m. K5VVZ reported a break in the line of a Kerr McGee gas station at N.W. 23rd and Rockwell. He notified the EOC.
- 5/9/74 5:45 p.m. WA5EPK reported a potential grass fire at S.E. 15th and I-35. He notified the EOC.
- 5/9/74 5:53 p.m. WB5IEK reported a signal light stuck at N.W. 36th and Walker. He notified the EOC.
- 5/10/74 5:15 p.m. K5VVZ reported a car on fire at N.W. 23rd and Western. He notified the EOC.
- 5/11/74 3:48 p.m. WA5OPP reported an abandoned car on S.E. 29th between Anderson and Hiwassee. He notified the EOC.
- 5/12/74 4:48 p.m. W5GDL reported a signal light malfunction at S.E. 29th and the Tinker Main Gate. He notified the EOC.
- 5/12/74 7:30 p.m. The EOC called for any Norman station to confirm a train derailment at I-35 and Indian Hills road. He was answered by WA5MLT who drove to the site and confirmed the accident.
- 7:35 p.m. WA5LTM also confirmed the derailment in a similar report to the EOC supplying additional information.
- 7:52 p.m. WA5MLT reported that gas fumes of some type were coming from the train wreck.
- 7:54 p.m. WA5LTM confirmed that gas fumes were escaping from the wreckage and that they were dangerous to breath.

Emergency Assistance Log - continued.

- 6/13/74 5:14 p.m. K5VVZ reported a signal light stuck at N.W. 50th and Kelly. He notified EOC.
- 6/14/74 11:09 p.m. KP4DJT reported three cars rushing on North Meridian between 44th and 60th street. He notified the EOC.
- 6/16/74 4:08 p.m. K5VVZ reported that a signal head was turned on a traffic signal so that drivers from either direction could not see it. He gave the intersection as N.W. 39th and Tulsa. He notified the EOC.
- 6/17/74 5:28 p.m. K4JWZ reported a two car accident without injuries at S.W. 104th and May Avenue. He notified the EOC.
- 6/17/74 5:36 p.m. WA5LBI reported an accident without injuries at N.W. 63rd and Pennsylvania. He notified the EOC.
- 6/18/74 6:42 p.m. K5HQP reported a signal head turned so that traffic from both lanes could not see it. He notified the EOC.
- 6/25/74 5:13 p.m. K5VVZ reported a green light bulb out at N.W. 23rd and Shartel. He notified the EOC.
- 6/25/74 6:45 p.m. K5GVT reported a two car accident at North May avenue and Hefner Road. He notified the EOC.
- 6/22/74 4:43 p.m. WA5AJK reported a signal light stuck at N.W. Highway and Portland. He notified the EOC.
- 6/22/74 8:00 p.m. WA5EPK reported a car stalled on the side of road with its hood up in need of assistance. He autopatched the Highway patrol. Location was approximately 9 miles out on the turnpike.
- 6/27/74 6:01 p.m. WA5FFG reported loose cross ties at N.E. 10th and the Santa Fe railroad tracks. He notified the EOC.
- 6/27/74 6:25 p.m. W5RLJ reported a signal light stuck at N.W. 10th and Rockwell. He notified the EOC.
- 6/28/74 EOC was notified by the OKC fire department that they had a report of a car on fire heading east on I-40 near Shawnee. The fire department could not be reached by radio channels of the city. WB5KMD then placed a call on the repeater asking for assistance in passing emergency traffic to Shawnee. He was answered by K5KXL who phoned the Shawnee fire department and a relay was effected.

Again we mention that the club would appreciate information concerning assistance given by amateur radio in the Oklahoma City area. If you call the EOC you need not notify the newsletter because we obtain the records from the City. If your call doesn't go through the EOC, then please use the Emergency Assistance Cards which are provided with this newsletter. If you would like additional cards, please notify the Secretary-Treasurer.-----

IT WAS A GAS--The simple entries which are listed for June 12 on the Emergency Assistance Log belie a very complex happening that occurred near Norman. At approximately 7 p.m. that evening, over 30 cars of a Santa Fe train derailed near Norman. It was eventually determined that poisonous gas, phosphorus trichloride, which was on the train was leaking from the barrels which it was being transported. Evacuation of parts of north Norman and Moore began later that evening. As knowledge of the gas developed, it was determined that it was indeed explosive when exposed to water. In addition, it formed acid which could possibly result in an acid rain should precipitation occur, a very dangerous situation indeed. Amateur Radio did provide some assistance to this nationally publicized event. When Red Cross vehicles moved in to assist the next day, communications channels were opened by WA5JGU, W5LOW (the Red Cross station), and W5MCJ on 3900 khz and 52 simplex. Communications was not too reliable, so about 11:00 a.m. the O.U. Radio Club set up its repeater station on a manned basis.

on 146.28/88 in order to assist the Red Cross workers. In addition, a two meter station was established from the downtown Norman disaster center at the Baptist Church. The net continued with 3900 khz being abandoned as a means of communication from the emergency site and using 28/88. W5MCJ then relayed to Oklahoma City by way of 3900. Jerry also provided telephone liaison to other public officials. All stations, including W5TC of the OU Amateur Radio Club continued in operation until approximately 6:30 p.m. that evening when the net was secured. This did not occur before MacDonalds delivered about 100 quarter pounders with cheese, fries, and cokes for those persons quartered at the disaster center. When a few hamburgers were left over, the W5TC operators were invited to chow down and after the afternoon they had had, they gladly obliged. Yum. Get MacDonalds to cater your next disaster.

STATUS SYMBOLS FOR SALE--W5KOZ will have applications forms for call letter license plates available at the meeting this Tuesday. The cost is just \$2.30 and applications must be in before the end of October. You need not purchase your plates at that time, just make application. Sid will have more details available at the meeting. You must have a conditional class license or better. (Sorry, sounds unfair to me, but that is the way the law is stated).

FCC FUNNIES--A recent phone conversation with Gary Hendrickson W3DTN of the FCC staff in Washington disclosed that there has been some delay in the processing of renewals, new licenses, and modifications. It seems that the Gettysburg Office has been swamped with about double the number of Citizen Band licenses that they usually have about this time. Although it might go without saying that there are more transmitters on the air than licensed (a slight discrepancy at most), this sudden burst to "go legal" is perplexing. Gary could only attribute it to the fact that the Field Engineering staffs have been working full time to enforce the regulations and in addition, the recent truckers strike" made many persons aware (no doubt for the first time) that they had to have a license for those radios.

MEAL THE CARDS DEPARTMENT--FCC DIVISION--A recent news report has indicated that the Senate has confirmed the appointment of three new members to the FCC. This was done without debate. The three new commissioners are Robert E. Lee, a former FBI agent, Abbott Washburn, Director of the Board of International Broadcasting, which oversees Radio Free Europe, and Glenn Robinson, a law professor at the University of Minnesota and a former Washington lawyer specializing in Broadcasting Law. Thus after almost a full year, the Commission returns to full strength and will be playing with a full deck. Commission business has been set back by these vacancies. The Board with only four members was also probably reluctant to make important decisions because of the possibility of the new men coming on the Commission and swinging the majority the other way. Commission decisions should speak with more authority now that there is a full Commission.

WE CAME BULK, AND WE'RE GLAD WE DID--Preliminary indications to the bulk rate mailout which commenced with the previous newsletter were not great, but certainly not fatal. As of this time, there have been only a few complaints of nondelivery of the newsletter, but nothing has yet indicated a substantial number were not delivered. The major complaint centered on the time of delivery. This unfortunately must be accepted as part of the difficulties experienced with bulk rate delivery. Bulk rate mail is prepackaged and bundled by groups according to zip codes and mailing stations before being mailed. Presorting enables us to take advantage of the cost of mailing at just 1.7¢ per ounce. But because of the way some of the bundles are made and because there is a variance in the efficiency in handling bulk rate mail, it is less certain in trying to predict the date of delivery. In order to insure delivery, we must have your absolutely correct zip code and address. We will send out with this issue, address correction requested. For each

newsletter that is mailed out, the post office will check it for correct address and then if it is wrong or is undeliverable, they will return it to us at a cost of 12¢ per issue. This is first class postage plus two cents handling. You can prevent this from becoming expensive by sending us your correct mailing address first. With this we will be able to guard against nondelivery. Unfortunately, there is nothing that we will be able to do to prevent delays in delivery or non uniform delivery without going back to first class mail, a prohibitively expensive suggestion. Extra copies of the newsletter are printed each month and are usually brought to the meeting as a regular occurrence for those members with a wayward newsletter. Since our meetings are regularly scheduled on the first Tuesday on the first full week with Sunday as the first day of the week, you should always be able to get a newsletter by just simply attending a meeting.

BEHAVIOR MODIFICATION BY WAY OF AMATEUR RADIO - - A second annual report from the Office of Telecommunications on the "Biological Effects of Radio Waves," has tentatively stated the preliminary indications are that "effects may occur . . . in the nervous system and behavior, normal developmental and growth processes, and possibly in some metabolic and biochemical parameters. . . at lower levels (of radio wave radiation) than anticipated in the past." Although these are only tentative findings, there is no doubt that this should be at least a preliminary indication to users of radio waves that damage can occur if exposure is prolonged even at levels that might have been previously thought of as safe. A recent statement in the A5 Amateur Television Magazine indicates that two feet away from a 100 watt transmitter at 432 Mhz could cause loss of sight. They recommend that you place the operating position well away from the RF cable and transmitter. But this is just physiological damage. What about behavior modification or even abnormal developmental growth processes? I don't know too many dwarf amateurs, but many wives and girl friends could sure testify that a lot of amateurs act funny after walking out of the shack. I am not sure that Amateur Radio is hazardous to your health, but could be. Maybe we might require stickers such as are placed on cigarette packages warning away potential use of amateur equipment. This could bring about a completely different attitude. I think that this report issued by OTP is unamerican.

WA5AOB'S TRAVELLING SALVATION SHOW--A finicky transmitter strip, a reluctant power supply, and just some plain bad luck have been the key ingredients in recent troubles which have plagued the MORI 34/94 repeater recently, and has kept it off the air during some particularly crucial times. WA5AOB reports that it hasn't reached the bubble gum and bailing wire stage yet but some of the difficulties point out the need for some basic changes in the current transmitter setup. Stock in fuse companies have apparently been going up as our transmitter fuse stock has been going down. K2GKK, WA9FDO, and WA5AOB have made more than just a few trips to the transmitter site to replace the little "buggers." Initial thoughts were that it was just an intermittent transmitter glitch. The standby transmitter was swung into action. A day or two later, same results. The problem turned out to be "Hydrocoaxialitus," or water in the coax. A small hole drilled in the RG17 near the transmitter input produced a small flood and possibly qualifying our repeater site for Federal Flood insurance and relief. By switching the repeater receiver and transmitter antennas, the repeater was brought back on the air, but again it was short lived as a diode stack in the transmitter power supply went sour. A sticking relay also compounded the problem. That taken care of, the repeater has been very faithful since then, but untold problems could manifest when we must move the repeater site to the downtown First National Center. Our new solid state repeater control is still functioning well, but in a week or two it will be on the road with AOB as we truck on down to the new location. In the meantime, we have applied to the FCC for a temporary authorization to keep this valuable public service tool on the air while we process a change of trustee and location application through the Gettysburg office. Let's hope that it is granted.

VETERAN MORI MEMBER DIES -- Once again, OKC amateurs have been saddened by the death of one of their compatriots as news of the death of Ken Ehret W5APG was relayed to your newsletter editor by WA5LTM. Ken was a fine fellow and a friend to many. We will indeed miss his support and friendship.

MORI SHORT TAKES New license reports indicate that Tony Pryor has received his General Class license and is now sporting the new call of WB5IBW. . . . Although much too modest to mention it himself, in the credit where credit is due department belongs the name of Tom Stinson W5OZE who received an award for traffic handling during the Enid flood several months ago. State Emergency Coordinator and Assistant SCM Leonard Hollar WA5FSN made the presentation at a recent Aeronautical Club meeting. . . . Too late for a detailed analysis for this newsletter is an excellent letter from our hard working Director for the West Gulf Division Roy Albright W5EYB detailing the results of a visit to the FCC in Washington. Roy's letter was full of much optimism and hope that things are getting better. This letter is a mine of information and is, of course, available to all ARRL members in the West Gulf area and required reading.

MORI MEMBERSHIP UPDATE--We are working on a special membership list update in about two months (Next month's newsletter will be a special Ham Holiday issue, items will be limited to those of general interest to the Hamfest attendees). Until then, we will list renewals and new members only. You will need to accumulate your newsletters until the new list arrives. Renewals: K5AJW, WB5ECJ.

New members:

K5WMY David Ballew

617 Fairlane Dr

Midwest City, Okla

73110

737-0702

WA5ZAN Mac McRay

Box 151

Seminole, Okla

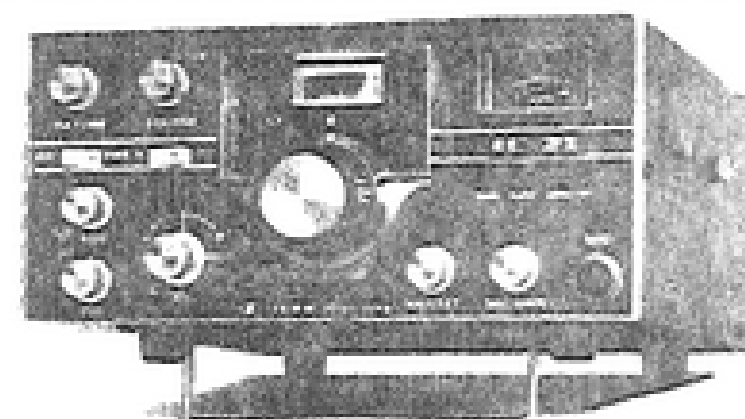
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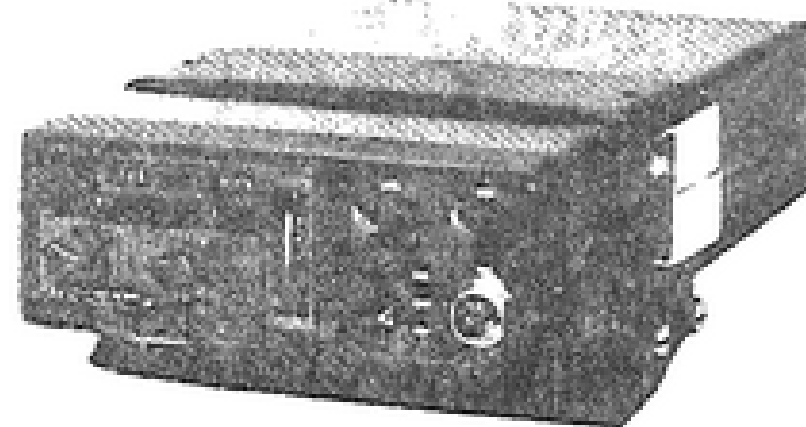


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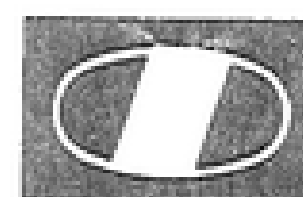


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FORWARDING ADDRESS DEPARTMENT--Bob Singletary W5MCM, proprietor of old favorite Bob Electronics dropped us a note to let us know that he is moving to a new location at 2305 N. Penn in OKC, effective August 1st. Store hours will be M-F 8:30 a.m. to 5:30 p.m., closed on week-ends. The telephone will be the same, but parking will be more plentiful than at the old location c North Hudson. A hot item right now at Bob's is the new 6 channel, 2 watt Walkie-Talkie with 34/98/94, and 16/76 Midland for just \$229.00. Crystals for other frequencies are just \$.25 apiece.

BARGAIN BILLBOARD

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.

FOR SALE--Pittsburg repeater organization newsletter reports that if you would like to find that odd part, tube, piece of gear etc., contact Sam W0MAK, Anderson, Missouri. He gets stumped once in a while, but not often.

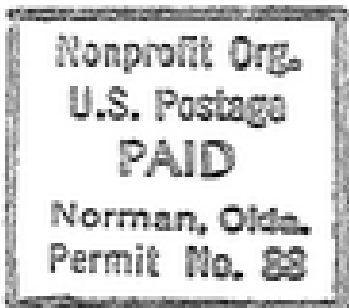
FOR SALE--Pair of Stacked 11 Element Cushcraft 2 meter beams. Complete and less than a year old. \$30.00. See Mark Adams, WA5REC, 681-6406.

FOR SALE--Dycomm two meter Model "D" Amplifier. (20 watts in-70 watts out) for just \$49.00. Call Mike WA5EPK, 321-5453 or see at meeting.

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 limitations) 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.

Micheal Salem	WA5EPK	1324 Lincoln	Norman, Okla	73069	President	321-5453
Carl Freeman	WA4AQW	4833 Eric Drive	Del City, Okla	73115	V.P.	672-5476
Tim Mauldin	WA5LTM	3033 S. W. 60th	Oklahoma City, Okla	73159	Sec.-Treas.	681-0660
Wayne Hogan	WA5AOB	113 E. Morningside Dr.	Midwest City, Okla	73110	Trustee	732-1870
Ken Eason	K5VVZ	7132 N. W. 21	Bethany, Okla	73008	Trustee	789-2200

MID-OKLAHOMA REPEATOR NEWSLETTER
1324 Lincoln
Norman, Oklahoma 73069



To Amateur Radio Station:
Address Correction Requested

HERE IS YOUR JULY
MORI NEWSLETTER!