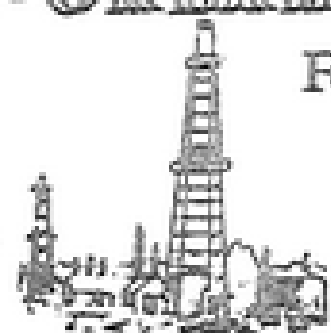


MID-OKLAHOMA REPEATER INC. NEWSLETTER FOR OCTOBER 1974

Regular Meeting October 8 at City EOC--Club Elections and Movies

MID-OKLAHOMA REPEATER INC.



Serving Central Oklahoma Amateur Radio Operators

MORI MEETING SCHEDULED--Set for this Tuesday, October 8, at 8:00 p.m. at the City EOC at 4600 North Eastern. This is a very important meeting. As announced in the previous issue of the Newsletter, on the scheduled agenda will be the election of officers for the term for 1975. MORI Officers are elected in October, but don't assume office until January. For the program, it will be Tuesday evening at the Movies as K2GKK (hopefully) will have pictures and film of the MORI Crew moving the 34/94 repeater to its new home. If they are also back from the printers, Mac might also have pictures of the 07/67 installation which took place on September 14. As usual, coffee and doughnuts will be available for those of you so inclined. We might have to up our doughnut allotment. Four dozen is just not cutting it with attendance at a meeting running typically over 50 or so. You might also notice that we are enclosing a campaign aid in this issue of the newsletter for those of you so inclined and it cleverly disguised as a roster of the membership. See if you can find it. Ready, Start!

MID-STATES REPEATER MEETING TO BE HELD AT OU--The OU Amateur Radio Club will host the semiannual meeting of the Mid-States Repeater Organization and the date has been set for October 19 in Room 165 of the Oklahoma Memorial Union. Registration checkin will begin at 2:00 p.m. in the main lobby of the Union. Just walk in the East main entrance and up the steps. The business meeting will get underway at 3:00 p.m. in Room 165 of the Union. An informal dinner has been scheduled for 6:00 p.m. that evening and will be a budget affair for the economically minded. Preregistration for the dinner and meeting is very important and the registration fee is just \$1.00 to offset the cost of the rooms, door prizes, etc. Dinner will be featured in the Schooner Room and will be Hamburger Steak Charbroiled with French Fries, Green Beans, Toast, and a Salad with your choice of drink. The Meal charge will be \$2.50. Please address your preregistrations to Secretary, OU Amateur Radio Club, c/o School of Electrical Engineering, Norman, Oklahoma 73069. They will need to have it by at least the 17th or so. Mid-States is always a lot of fun. Here is where the serious repeater operators find out the latest technology and techniques in repeater operation. El Presidente Chuck Hast of the OU Club says that they are expecting about 30-40 people to attend from a four state area. Representation from all the major repeater systems in this area is expected.

BIRTH OF A REPEATER--It's finally there and operating (at least will be and was). MORI's 07/67 dream come true is in service and working (barring major problems) from the new WKY site. A few insurance policies later and the tremendous cooperation of the WKY-TV Engineering Staff and MORI members, the 07/67 was installed at the 728 foot level of the television antenna for the receiver and the 425 foot level for the transmitter. The range appears to be good. A bad transistor or two in a power supply has forced a temporary shutdown, but it should be back on soon. Problems are being culled out of the system and everyone should be enjoying this new extended range system. Primary responsibility for the installation should go to K5VVZ, K5VRL, WB5ISO (who climbed down the tower from the 728 foot level twice via the ladder!), WB5ISN, Q3TJD, WA5TAW, as well as ground crew members including but not limited to WA5FWD, WB5ECJ, K5HFN, K2GKK, WA4AQW, and others. In fact, we had quite a crowd of sight seers. WB5CTS made a hamburger run and WA5EPK made a run up the tower to assist WB5ISO and try to watch the OU-Baylor Football game (but couldn't even see the stadium). It was a total effort and one of which MORI should be proud. Since the clamps for the tower didn't arrive as anticipated, the antennas were temporarily, but securely attached to the tower, pointing almost due south. It is expected that they will eventually be mounted on either the Southeast or Southwest leg of the tower. After almost two years of planning and construction, the repeater is up. Try it, you'll like it.

MID-OKLAHOMA REPEATER NEWSLETTER FOR OCTOBER-PAGE 2.

MORE REPEATER-34/94 STYLE--The 34/94 system appears to be operating in fine style from its new home at the First National Bank. Minor problems have been cropping up as a result of the move, but a little troubleshooting by WB5ISN (now the official new trustee with the arrival of the license from the FCC), WA5AOB, and WB5ISO and the problem was found. The lead in that was put in place on the day of the repeater installation was found to have a bad connection which was causing some interference of some sort. This last week, WB5ISN and WA5AOB (ole "You'll never get me outside on the top of that building") installed heliax (courtesy of MORI Member W5JCB) and lowered the number of fittings between the antenna and the duplexer. In addition they removed a pipe section that had been projecting up into the field of the antenna. The result? A much improved input and output capability. A few quick tests determined that the antenna elements were all intact and a check by WA5EPK in Norman using his Handie-Talkie with 1 1/2 watts indicated only a small amount of hiss on his signal. Dennis promises the new solid state receiver will be in service soon and also a new amplifier running the full legal power for the height (100 watts into the antenna) to be working also. This should provide plenty of capture for our primary coverage area.

450 AND UP--WA5EPK reports that he has received confirmation from Motorola of MORI's order of 20 HT-200 450 Handie Talkies and also the free 450 repeater that they have thrown in. WA5AOB collected the money after approval by the MORI Executive Committee and the order was placed this last month. Let's credit MORI Members WA5ZRU and WA5TDJ (especially Don) for their assistance in this matter. The rigs should be arriving soon. Probably will have to have a conversion party. This equipment is not easy to work with, but by no means impossible. Given the expertise in the club. MORI could have a population explosion on 450 soon.

TWO GOOD REPEATER CLUBS SHOULD GO HAND IN HAND--Closer cooperation between MORI and the Oklahoma City Autopatch Club is being achieved with the approval of a proposal at the last MORI meeting to meet at least every other month with the OKCAP. It was determined that there was a considerable overlap between the membership of the two clubs so that plus, the need for amateur unity dictated the usefulness of the two clubs meeting. In addition, a mailing to club members from both clubs will soon occur and the OKCAP will include a sheet of info for their club members in the MORI Newsletter. This is truly an era of "good feeling" probably growing out of that pizza and beer party that MORI was invited to by the OKCAP. You might say that everyone was in good spirits!!!

EMERGENCY ASSISTANCE LOG--We omitted the log last month because of the press of additional material and primarily because of the difficulty in trying to obtain up to date records before going to press. Thus a rather extended log this time. Remember that the City Emergency Operating Center has amateur radio operators on duty every evening from about 3:00 p. m. until about 11:00 p. m. They will respond to your call and activate whatever services are needed.

7/23/74 9:14 p. m. W5ESX reported a stalled truck at I-240 and Shields Blvd. He notified the EOC.

7/25/74 4:46 p. m. WB5AGX reported a two car accident with no injuries at 29th and North Kelly. He notified the EOC.

7/25/74 5:45 p. m. WA5EPK reported a two car accident with no injuries at the Robinson Street exit westbound on I-40. He notified the EOC.

7/25/74 4:07 p. m. W5TZS reported a signal light stuck at N.E. 63rd and Eastern. He notified the EOC.

7/25/74 10:52 p. m. K5KUX reported a stranded motorist on mile 14 of the Turner turn _ turnpike in the westbound lane. He notified the EOC.

7/30/74 5:26 p. m. W5CEP reported an abandoned car on I-40 in the east bound lane. He notified the EOC.

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7/30/74 5:32 p.m. W5RLJ reported a traffic slowdown at I-40 and the Byers exit in the east bound lane. He notified the EOC.

7/31/74 5:44 p.m. W5CEP reported a stranded school bus on I-40 in the eastbound lane 3 miles west of the Harrah exit. He notified the EOC.

7/31/74 7:05 p.m. K7YHA reported a two car accident without injuries at S.E. 29th and Sooner. He notified the EOC.

8/2/74 6:58 p.m. W5RLJ reported a signal light stuck at N.W. 10th and Villa. He notified the EOC.

8/6/74 4:29 p.m. WB5GWB reported a signal light stuck at Exchange and Pennsylvania. He notified the EOC.

8/6/74 3:41 p.m. W5LGO reported a signal light stuck at N.W. 10th and Pennsylvania. He notified the EOC.

8/6/74 4:06 p.m. WA5OPP reported a two car accident without injuries 12 miles East of Douglas on S.E. 29th. He notified the EOC.

8/6/74 4:42 p.m. WA5LBI reported a signal light malfunction at 63rd and North Pennsylvania. He notified the EOC.

8/8/74 5:07 p.m. WA5SAL reported a stalled car in the northbound lane of I-35 about 1/2 mile north of Edmond. He notified the EOC.

8/8/74 5:09 p.m. WB5IMT reported a signal light malfunction at 36th and North Classen. He notified the EOC.

8/9/74 4:02 p.m. WA7TCA reported a five car accident without injuries south of I-40 on Douglas Blvd. (YOU can't miss it). He notified the EOC.

8/9/74 4:41 p.m. W5OHH reported a brush fire near S.E. 44th and Sooner. He notified the EOC.

8/9/74 5:04 p.m. K5VVZ reported a two car accident without injuries at N.W. 23rd and Barnes. He notified the EOC.

8/9/74 5:05 p.m. W5GDL reported an accident with injuries in the west bound lane of I-40 1/2 mile east of scott street. He notified the EOC.

8/12/74 5:30 p.m. WB5CWB reported a signal light stuck at 59th and North May. He notified the EOC.

8/13/74 5:17 p.m. WB5ECJ reported a signal light malfunction at North May and Hefner. He notified the EOC.

8/16/74 5:20 p.m. WB5CTS reported a stalled taxi at B. Road and Western. He notified the EOC.

8/21/74 6:00 p.m. WA5TDJ reported a stalled truck in the northbound lane of I-35 and 63rd. He notified the EOC.

8/22/74 3:43 p.m. K5AJW reported a two car accident without injuries on the Western on ramp in the East bound lane and I-40. He notified the EOC.

8/22/74 5:20 p.m. W5VZY reported a three car accident without injuries at N.W. 23rd and Ann Arbor. He notified the EOC.

8/28/74 5:45 p.m. WA5EPK reported a stalled car at I-35 in the South bound lane under the Highway 66 Bridge. He notified the EOC.

8/29/74 3:49 p.m. K5VWQ reported two stalled trucks in the west bound lane of I-40 at the Robinson overpass. He notified the EOC.

9/3/74 5:15 p.m. WA5JGU reported a accident without injuries in the 4300 block of N.W. 23rd. He notified the EOC.

9/5/74 4:13 p.m. WA5TAW reported a stalled school bus at the Dallas Interchange. He notified the EOC.

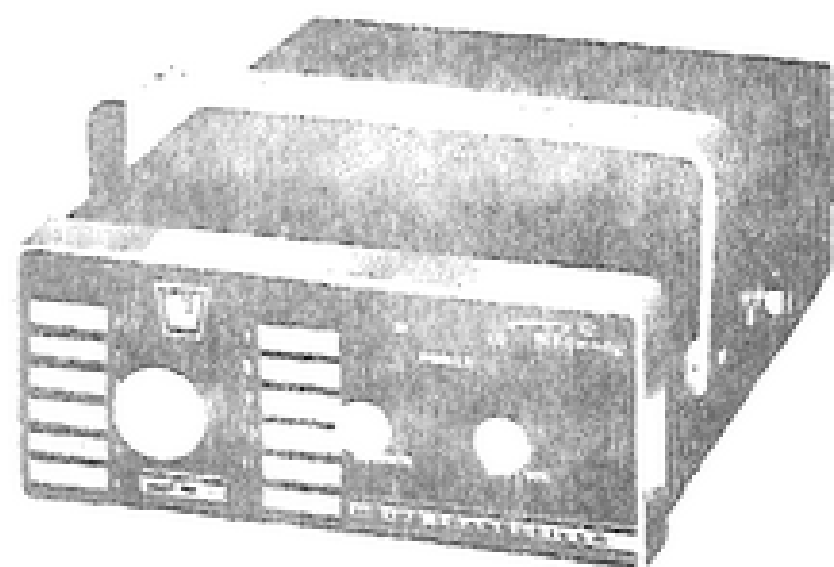
9/5/74 5:22 p.m. WB5ECJ reported a signal light stuck at Hefner Road and May avenue. He notified the EOC.

9/7/74 8:38 p.m. WA5ZRU reported a drunk driver in the east bound lane of Eisenhower at Grand Blvd. He notified the EOC.

- 9/12/74 4:46 p.m. WB5ERN reported an accident with injuries in the east bound lane of I-40 about 1 mile east of Anderson road. He notified the EOC.
- 9/16/74 6:55 p.m. K3TJD reported a signal light inoperative at S.W. 23rd and Meridian. He notified the EOC.
- 9/17/74 3:44 p.m. WA5OPP reported an accident without injuries about 1/2 mile East of Post Road on S.E. 29th. He notified the EOC.
- 9/18/74 5:32 p.m. K5VVZ reported a signal light stuck at N.W. 23rd and Ann Arbor. He notified the EOC.
- 9/18/74 5:45 p.m. WA5EPK reported a stalled car on I135 in the southbound lane near S.E. 15th. He notified the EOC.
- 9/20/74 3:45 p.m. WA5RAQ received a call from WA5KQB that a car had been left unattended on I-35. He notified the Highway Patrol.
- 9/25/74 5:48 p.m. WA5DTL reported an accident without injuries on the crosstown in the westbound lane between Broadway and Classen. He notified the EOC.
- 9/27/74 7:10 p.m. WA5EAI reported loose livestock on Highway 52 west of Meridian. He notified the EOC.
- 9/28/74 6:40 p.m. WB5AUF reported a policeman who was not licensed using a radar to check his speed. (Gotcha Abe!).

Whew! That's it for the last two months. Good work.

Regency **HR-2B** gives
a lot to talk over



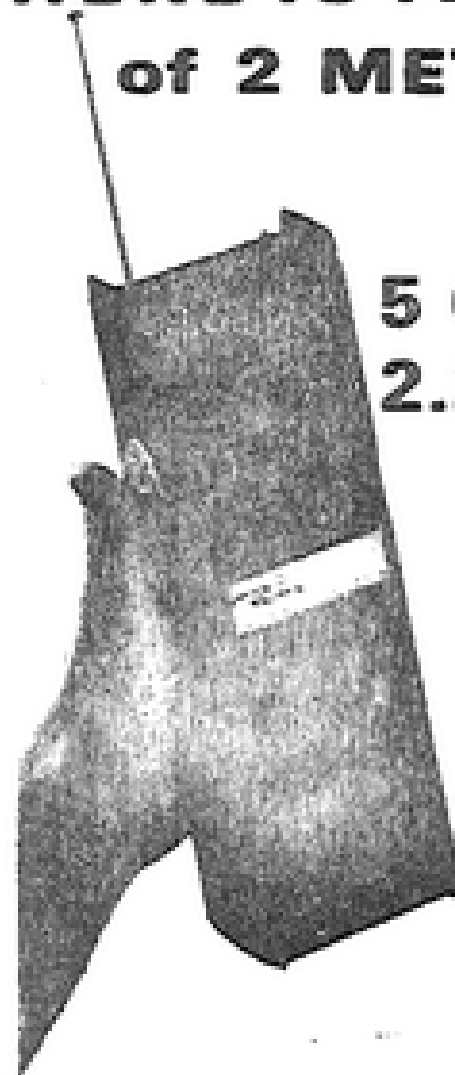
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PHONE 405-677-7669

YOU'LL GET A CHARGE OUT OF THIS--One of the more popular items for two meter FM these days are those neat little walkie-talkies that just about everybody is selling, a primary indication of the portable nature of FM. One common denominator among all these goodies are those expensive sealed Nickel-Cadmium batteries that come with them. Proper care and treatment will vastly extend their life and we herewith reprint a list of do's and Don'ts that appeared in recent U.S. Government publication and is for your information:

DO

Do recall that the method of rating battery capacity differs among manufacturers and that usable battery capacity is decreased at the higher discharge rates. (The higher the rate of discharge, the lower the overall capacity).

Do remember that a temporary reduction in available capacity occurs below about 5°C , and that batteries should not be discharged below about -20°C or above $+40^{\circ}\text{C}$.

Do remember that with care, battery life may approach 1000 charge-discharge cycles.

Do recall that good practice suggests a ten per cent greater battery capacity than expected load requirements to discourage deep battery discharge.

Do remember that self-discharge does not adversely affect battery life.

Do remember that very high current values are possible during shorting conditions due to the extremely low internal resistance.

Do remember that battery life may be extended to as much as 5000 cycles if discharge depth does not exceed 25% of the rated capacity.

Do remember that cells sometimes fail in a dead shorted condition, although more generally the failure is an apparent high internal leakage (i.e. a partial short) which prevents a battery from holding charge for more than a few hours.

DO NOT

Do not discharge batteries below 1.0 volts per cell. (Another Ed. note. to find approximately how many cells, divide the battery voltage by about 1.2. Thus for a 12 volt battery, there are 10 cells, do not discharge below 10.0 Volts. For a 15 Volt battery, do not discharge below 11.0 volts. These are a general rule of thumb)

Do not charge batteries at temperatures below $+5^{\circ}\text{C}$ or above $+40^{\circ}\text{C}$.

Do not charge batteries with a constant current source at a rate greater than 0.1 C (where C=capacity rating= amp-hours/charge(or discharge) time. (Ed. Note: for a 450 Mah, do not charge at a rate faster than 45 mls. The usual charge time for Ni-Cads is about 15 hours unless a special fast charge battery (such as the Motorola rapid charge which has special thermistors in a feedback circuit to prevent battery overheating during the charge cycle.) without special precautions to limit overcharge.

Do not create conditions where individual cells in a battery may be reversed charged such as through a deep discharge of the battery. To do so is a sure way to drastically decrease the life of a battery.

Do not overcharge button-cells as they are particularly sensitive to overcharging and are dangerous in that there is no provision for safety venting in the steel housing.

Do not attempt to charge batteries in parallel with a charger designed for one battery.

Do not be concerned about long idle periods in either the charged or uncharged states.

Do not exceed the 1 C (see formula for C above) discharge rate if battery life is not to

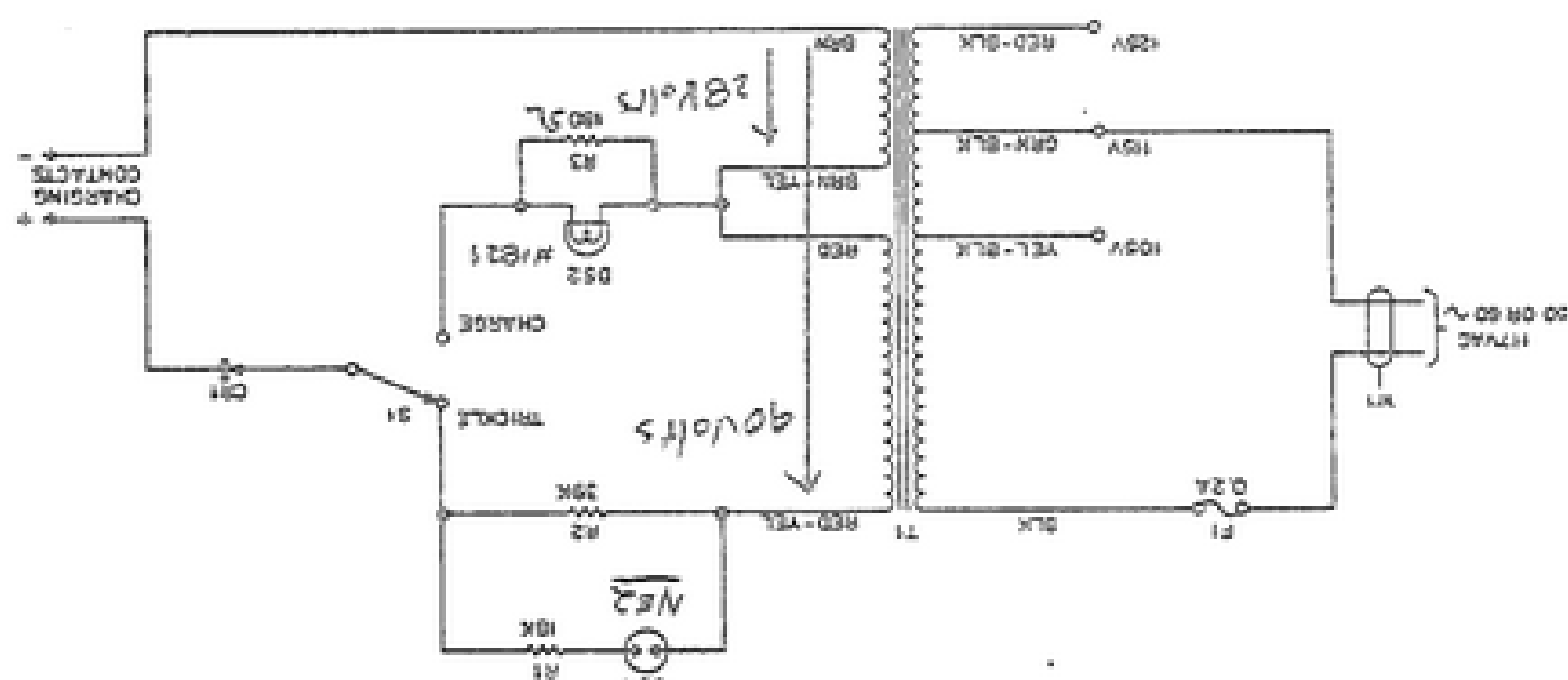
these Do's and Don'ts, we add a few extra and that is that some of the above items do not apply to vented ni-cad batteries. In fact in vented cells, deep discharge is a special technique used to rejuvenate the cells and may be very beneficial in providing new life for the battery. It must be done in a certain manner. In sealed cells, the technique is to avoid discharge rates that may drop the battery below 0 volts on any one of its cells thus preventing reverse charging. If you suspect your battery has a weak cell, try to prevent deep discharge. In a vented ni-cad you can discharge the battery and as each cell drops below 1.0 volt, you short it until every cell is shorted. You then leave them in this position for a day or two and then

charge at a particular rate. It is also during this time that you can determine whether you have a weak cell or two. Full details are covered in a book published by GE on ni-cad (of which I have a copy. W45EPK) Those of you who purchased some of those vented ni-cads at World Wide would do well to talk to Ellard Foster W4KE or myself to obtain a copy of this technique of

rejuvenating. Vented cells can be charged either constant current or constant voltage. Sealed cells should be charged at constant current only. A constant current source is quite easy to build. Take a DC voltage supply rated at twice the voltage of the battery to be charged, then obtain a miniature light rated at that voltage and twice the charge current (which is 0.1 C where C is the battery capacity) and connect them in series with the ni-cad. (Observe polarity, plus to plus and minus to minus). For example, A 15 volt battery can be charged with a 28 volt DC supply and a 28 volt light rated at twice the current to be charged at. Resistors may be needed across the light to increase the current to the needed rate. Then charge for 15 hours. You are replacing the capacity at 150%, the additional energy is used up as heat in charging. In our example, if the battery is rated at 450 Mah, use a 28 volt light capable of 90 mls. When you put the battery in the circuit, the voltage across the light will drop to about half the full 28 volts and the current will be about half. Thus a small resistor or two may be needed to bring it up to 0.1 C . Trickle charge at a rate equal to 0.01 C . See the circuit below.

HAMFEST DEPARTMENT-CHICAGO DIVISION---One of the "biggies" in the Hamfest Dept. (next to Dayton and our own Oklahoma Ham Holiday) is the annual blowout in Chicago at Expo 1974 sponsored by the Chicago FM Club. Scheduling difficulties moved this normally summer activity to the month of September (very hard on us football fans). Anyway, one of the really fun items at EXPO is that many of the manufacturers bring their newly released goodies out for everybody to view. One of the more dramatic is a receiver by Tennenec that is a programmable, fully synthesized, digital scanner which covers High, Low, and UHF. It has provisions for 16 channels, all of which work off a 1 Mhz oscillator. The scanner is programmable in 30 KHz steps and that is done in binary code. It will cover 17 Mhz in the low and high band mode and any 14 Mhz segment in the UHF mode. How you say? Well the scanner has varicaps in the front end which tune each segment of the band as it scans past it. Thus in effect, it is retuning the front end for each listening position and thus is able to maintain sensitivity. Incredible you say? Right, and even more amazing is that this is done for less than \$300. You say that you have a synthesizer already and want it to scan? Can Do! Emergency Beacon Company intro-duced a small box which attaches to your present synthesizer and by programming it, you can scan any six frequencies, plus listen to the frequency on the front panel of your synthesizer. Had enough, there's more. EBC also has a 7000 channel High band synthesized receiver for 140 to 170. Dial your frequency down to the nearest 5Khz and even closer. My friends, the bottom should drop out on the synthesizer market soon and then everybody will have one.

Ni - 642 24422



Motorola Stock Circuit for a 15 Volt, 450 Mah Battery. For other battery voltages and ratings, you might have to change the light to one with a lower current rating (The #1829 is rated at 90 milliamps at 28 volts) and juggle the resistors. The trickle charger uses a NE2 and a 90 volt supply. Most of the voltage is dropped across the neon light. The resistors are to limit the current

MID-OKLAHOMA REPEATER INC. MEMBERSHIP ROSTER

9/29/74

45AAR	Frank Wildeboor	1533 Pecan Avenue	Norman, Oklahoma	73069	364-0812
4B5ADN	Deeds Bigelow	Rt. 6, Box 8	Edmond, Oklahoma	73034	
45AEF	Eugene Harris	4301 N.W. 15th	Oklahoma City, Okla	73107	
4B5AGX	Rich Sinclair	9901 Nichols Hills	Oklahoma City, Okla	73120	
45AJW	Maurice Holding	2736 S.W. 53rd	Oklahoma City, Okla	73119	685-3803
4B5ANA	Steve Richert	5212 S.E. 46th	Oklahoma City, Okla	73135	762-0453
4A5AOB	B. Wayne Hogan	113 East Morningside Dr.	Midwest City, Okla	73110	732-1870
4A4AQW	Carl Freeman	4833 Eric Drive	Oklahoma City, Okla	73135	672-5476
45ATC	Raymond Willis	401 North Main	Granite, Okla	73547	539-2184
4B5AUF	Abe Crook	3448 N.W. 18th	Oklahoma City, Okla		
45AYL	Bob Lyon	4409 Wafford	Del City, Oklahoma	73115	686-2747
4B5BCR	Jim Worthy	5935 N.W. 43rd	Oklahoma City, Okla	73122	789-6954
45BJJ	Clarence Eng	7900 N.W. 14th	Oklahoma City, Okla	73127	787-0060
4B5BKN	E.C. Fields	3811 North Linda	Oklahoma City, Okla	73112	943-4979
4B5BNN	Fay Stephenson	9 Red Rock Road	Shawnee, Oklahoma	74801	
4B5BTT	Ray Peters	208 North Jackson Drive	Midwest City, Okla	73130	732-6498
45CDG	Paul Kovar	RR 1, Box 108	Choctaw, Okla	73020	
45CEP	Carl Stephenson	9 Red Rock Road	Shawnee, Okla	74801	
45CFM	Tony Merritt	11417 Greystone	Oklahoma City, Okla	73120	
4B5CHC	Russell Blackard	117 S.W. 5th Street	Moore, Oklahoma	73160	794-5477
45CHE	H.C. Ford	310 North Main	Granite, Oklahoma	73547	539-4710
4B5CTR	Loretta Worth	5935 N.W. 43rd	Oklahoma City, Okla	73122	789-6954
4B5CTS	Steve Hutcherson	12700 St. Andrews Drive	Oklahoma City, Okla	73120	
4B5CWB	Larry Dillard	2624 S.W. 69th	Oklahoma City, Okla	73159	685-4065
4B5DJQ	Carl Lesley	9100 N.E. 3rd	Midwest City, Okla	73130	732-2531
4P4DJT	William C. Hast	443 West Boyd, Apt. 1	Norman, Oklahoma	73069	
4A5DGL	P.K. Read	1401 North Tucker	Shawnee, Oklahoma	74801	273-1598
45DVY	James Harmon	3224 North Ridgewood	Midwest City, Okla	73110	732-6303
4A5EAI	Ron Cron	2428 S.W. 46th	Oklahoma City, Okla	73119	
4B5EBD	Eric Lunden	1405 Broadview	Oklahoma City, Okla	73127	
4B5ECJ	Ken Kendrick	Box 20567	Oklahoma City, Okla	73120	751-4917
45EHR	N. P. Jessup	Route 1, Box NL50	Piedmont, Oklahoma	73078	
4A5EJU	Carl Sheff	505 East Crcoupe Drive	Midwest City, Okla	73110	733-2966
4B5EMI	Jim Trulove	828 West Moonvalley Dr.	Phoenix, Arizona	85023	
45EMJ	Harold Kimery	4517 N.W. 34th St.	Oklahoma City, Okla	73122	943-5418
4B5EOL	Jim Denman	7705 S. Charlotte Drive	Oklahoma City, Okla	73159	681-6048
4A5EPK	Micheal Salem	1324 Lincoln	Norman, Oklahoma	73069	321-5453
4B5ERN	Randy Mullinax	111 Larry Road, RR#1	Shawnee, Oklahoma	74801	275-2994
45ESX	T. H. Bright	500 South Post Road	Midwest City, Okla	73130	
4A9FDO	Mike Sercer	Box T-369	Tinker AFB, Okla	73145	737-0102
4A5FFG	Charles York	3700 N.W. 64th	Oklahoma City, Okla	73116	842-3918
4A5FLT	Joseph Garland	Box 204	Calumet, Oklahoma	73014	
45FMX	T. Van Woody	3301 Venice Blvd	Oklahoma City, Okla	73112	942-2831
4B5FTE	Thomas R. Kessler	2641 Butler	Norman, Oklahoma	73069	
4B5FTF	Rob Sullivan	238 North Foreman	Norman, Oklahoma	73079	329-3603
4A5FWD	Bill Noland	608 Kingston Place	Yukon, Oklahoma	73099	354-5018
45GBF	J. Harold Plunk	2801 Camelot Drive	Oklahoma City, Okla	73120	751-4677
45GDL	Chester Hazelwood	4900 Coltrane Road	Oklahoma City, Okla	73111	427-1439
4A5GHK	Joe Hyatt	914 South Main	Kingfisher, Okla	73750	
42GKK	D.C. Macdonald Jr.	5120 S.E. 49th	Oklahoma City, Okla	73135	672-4947
4A5GOF	Bill Sharp	510 East Boeing	Midwest City, Okla	73110	737-1352
4B5GSZ	Jim Stemen	P.O. Box 8777	Corpus Christi, Texas	78412	
4B5GWB	Jef Casey	2236 N.W. 25th St.	Oklahoma City, Okla	73107	528-0252
4A5GWH	Jim White	7900 S. Linn Avenue	Oklahoma City, Okla	73159	681-5894

MID-OKLAHOMA REPEATOR INC. MEMBERSHIP ROSTER-PAGE 2

WB5GZU	Charlie Sowers	517 Harward Court	Edmond, Oklahoma	73034	341-9492
WB5HAK	Donald Cunningham	1722 N.W. 38th	Oklahoma City, Okla	73118	
WB5HBU	Ralph Solomon	8623 E. Reno, Apt. 4	Midwest City, Okla	73110	737-2104
K5HFN	Fred Wright	8822 S.E. 25th	Midwest City, Okla	73110	
WB5HIJ	Sal Abbadessa	7401 Clayton Drive	Oklahoma City, Okla	73132	
K5HQP	Marvin White	2108 South Post Road	Midwest City, Okla	73130	732-8133
WB5HRC	Clyde Nelson	1104 S.W. 65th	Oklahoma City, Okla	73139	634-6079
*WB5HUP	Lloyd Kirk	4021 S.W. 28th	Oklahoma City, Okla	73108	685-6555
W5HXL	Bob Ashby	2837 N.W. 19th	Oklahoma City, Okla	73107	942-5375
W5HXR	Bill Hubbard	3300 N.E. 36th	Oklahoma City, Okla	73121	427-2537
WB5IEK	Don Bruner	RR#1, Box 89B	Arcadia, Okla	73007	396-8861
WA5IQH	Bill Blakeley	3925 N.W. 12th	Oklahoma City, Okla	73107	942-5870
W5IQL	Paul Brown	RR#4, Box 206	Shawnee, Oklahoma	74801	273-8131
WB5ISN	Dennis Orcutt	3201 South Rankin	Edmond, Oklahoma	73034	341-4200
WB5ISO	Wendall Cochran	4308 N.W. 26th	Oklahoma City, Okla	73107	943-4308
WB5IXJ	Lloyd Hargrove	6112 S.E. 10th	Midwest City, Okla	73110	732-3841
WB5JBL	Frank McCollum	Rt 2, Box 149	Edmond, Oklahoma	73034	
W5JCB	Elmo Black	413 N.E. 38th Terrace	Oklahoma City, Okla	73105	528-6467
W5JCJ	O.B. Ramsey	2238 Lindenwood Lane	Norman, Oklahoma	73069	329-0794
W5JCQ	Ralph Wood	4740 Elm View	Del City, Oklahoma	73115	672-2747
W5JJ	Carl Drumeller	5824 N.W. 58th	Warr Acres, Okla	73122	789-3788
WA5JGU	Charles Greene	3028 N.W. 33rd	Oklahoma City, Okla	73112	943-5631
WB5JML	Howard Duiges	11204 N. Victoria Place	Oklahoma City, Okla	73120	
WB5JWM	Bart Wortham	Box 14305	Oklahoma City, Okla	73114	
K4JWZ	Richard Gilliland	3627 Bellwood Drive	Norman, Oklahoma	73069	364-9679
*WA5JXX	Roger Ryan	Box 458	Norman, Oklahoma	73069	364-6848
W5KBB	Sam Collins	3141 N.W. Expressway, #503	Oklahoma City, Okla	73112	843-5577
WB5KCU	Al Prince	5950 N.W. 43rd	Oklahoma City, Okla	73122	789-1160
K5KDR	Bill Oliver	2210 Iowa	Norman, Oklahoma	73069	329-6333
W5KE	Ellard Foster	5905 N.W. 42nd	Oklahoma City, Okla	73122	789-6702
WA5KHW	Mike Whalen	1434 S.W. 52nd St	Oklahoma City, Okla	73119	681-3755
W5KOZ	Sid Gerber	829 East Bouse	Midwest City, Okla	73110	737-1050
WA5KQB	Herman Davis	Box 101	Lexington, Okla	73051	527-6344
W5KXQ	Bill Courtright	8012 Golden Oaks Rd.	Oklahoma City, Okla	73127	787-1206
WA5LBI	Bob Dicus	916 Idylwild	Midwest City, Okla	73110	
WA5LFJ	Russ Fields	2925 N.W. 67th	Oklahoma City, Okla	73122	843-6822
WA5LFN	Jim Kearns	14421 Wilson Road, RR#2	Edmond, Oklahoma	73034	751-6035
K5LIL	Edward Murta	4408 N.W. 47th	Oklahoma City, Okla	73112	
WA5LNX	Odis Wilson	Box 6280	Moore, Oklahoma	73160	794-4616
WB5LPD	Jeff Sharp	11112 Folkstone	Yukon, Oklahoma	73099	373-2879
WA5LTM	Tim Mauldin	3033 S.W. 60th St	Oklahoma City, Okla	73159	681-0660
K5LZF	Robert Almand	711 N. 1st St	Tecumseh, Oklahoma		598-5148
W5MCJ	Jerry Broudy	1920 Westbrooke Terrace	Norman, Oklahoma	73069	329-0262
W5MCM	Bob Singletary	2830 N.W. 22nd	Oklahoma City, Okla	73112	946-6840
WB5MEA	Bruce Stafford	3112 S.W. 72nd	Oklahoma City, Okla	73159	685-8926
K5MTC	Ted Nicewarner	421 East Kee	Weatherford, Okla	73096	772-2506
WA5MLT	H.O. Townsend	2346 Louise Lane	Norman, Oklahoma	73079	329-4426
W5NL	Fred Boardman	2900 Bird Drive	Oklahoma City, Okla	73121	427-2505
WA5NRJ	Russell Bobbitt	4201 N. Georgia	Oklahoma City, Okla	73118	524-6216
W5OHH	Buzzy Brooks	2809 Mocking Bird Lane	Midwest City, Okla	73110	732-1127
K5OHU	Jim Caldwell	3120 N.W. 61st Terrace	Oklahoma City, Okla	73112	842-7280
*W5OJZ	Frank Jerome	908 Holoway	Midwest City, Okla	73110	732-7878
WA5OPP	Melvin Zuck	Box 526	Harrah, Oklahoma	73045	
W5ORH	J.G. Liebmann	3801 North MacArthur	Oklahoma City, Okla	73122	787-9545
K5OQD	Carl Bower	107 East Pulaski	Shawnee, Oklahoma	74801	273-8653
W5OZE	Tommy Stinson	2721 Lyons Blvd	Oklahoma City, Okla	73107	942-3714
K5PER	Jim Jones	1021 S.W. 61	Oklahoma City, Okla	73159	634-5235
K5PJU	Bob Williams	13 South Easy Street	Edmond, Oklahoma	73034	341-5529

MID-OKLAHOMA REPEATOR INC. MEMBERSHIP ROSTER-PAGE 3

*WA4PLG	Charles Kennamer	2313 S.W. 74th, Apt 146	Oklahoma City, Okla	73159	685-3539
K5QDR	John Huckaby	4344 Suntane Road	Del City, Okla	73115	672-4706
W5QMP	Bill Garthoeffner	1520 N.W. 3rd	Oklahoma City, Okla		239-2791
WA5RAQ	Bill Rogers	1121 S.W. 53rd	Oklahoma City, Okla	73109	632-4375
W5REY	Ray Janka	2708 Windsor Blvd	Oklahoma City, Okla	73127	
W5RLJ	George Bittrolff	7449 N.W. 6th Terrace	Oklahoma City, Okla	73127	787-1783
WA5RSC	Bill Morris	2420 N.W. 118th Street	Oklahoma City, Okla	73120	751-5593
*K5SKA	Bill Demand	RR#1, Box 152	Noble, Oklahoma	73068	872-3789
W5SQJ	Jess W. Speer	1400 Melrose	Norman, Oklahoma	73069	321-7302
WA5STC	Bill Atkins	321 North Post Road	Midwest City, Okla	73130	737-6984
WA5TAW	Don Graham	1208 Alan Lane	Midwest City, Okla	73130	733-3044
WA5TDJ	Don Badgett	2200 Maple Drive	Midwest City, Okla	73110	737-6521
K3TGY	Bill Brodie	2537 Edgewood	Moore, Oklahoma	73160	794-0406
*K3TJD	Joe Nelson	2269 Downing	Oklahoma City, Okla	73120	
W5TKS	Guy Liebmann	3128 Lakeview Manor Dr.	Bethany, Oklahoma	73008	787-9545
W5TPJ	Bill Cronenwett	2566 Cypress	Norman, Oklahoma	73069	329-0095
W5TQB	Pete Howard	1521 Leslie Lane	Norman, Oklahoma	73069	321-7634
WA5TRS	Joe Buswell	3312 North Idlywild, Box	10674, Midwest City,	73110	732-0676
WA5TSJ	Tommy Todd	1300 S.W. 62nd	Oklahoma City, Okla	73159	685-3685
W5TUB	William Hodgson Jr.	2757 Ridgeview	Mustang, Oklahoma	73064	
W5TVB	Bill Smith	P.O. Box 18904	Oklahoma City, Okla	73118	681-5377
K5TZS	Jim Stanberry	1925 Edgewood Drive	Edmond, Oklahoma	73034	341-3391
W5UEG	Bill Southerland	7216 Kings Ridge Road	Oklahoma City, Okla	73132	721-3872
K5UHZ	George Moore	1219 Colorado Avenue	Chickasha, Okla	73018	224-3861
*WA5UIO	B. J. Bauer	440 Wilson Drive	Midwest City, Okla	73110	732-4585
K5URJ	Perry McWhorter	3418 N.W. 29th	Oklahoma City, Okla	73107	
W5UZX	Bill Todd	207 W. Haddock	Norman, Oklahoma	73069	321-8521
WA5VAQ	Harold Todd	1300 S.W. 62nd	Oklahoma City, Okla	73159	685-3685
WA5VNF	Mary Ann Hyatt	914 S. Main	Kingfisher, Oklahoma	73750	
K5VRL	Jim Williams	2532 N.W. 39th	Oklahoma City, Okla	73112	942-0536
K5VVZ	Ken Eason	7132 N.W. 21	Bethany, Oklahoma	73008	789-2200
*K5VWQ	Melvin Hood	5512 N. Donald	Oklahoma City, Okla	73122	789-3156
W5VZY	Lee Lash	1403 N. Purdue	Oklahoma City, Okla	73127	942-0177
*W5WDM	Tom McCay	406 Claremont	Norman, Oklahoma	73069	321-9590
K3WGF	Clarke Diekmann	2520 Glenhaven Dr. Apt B	Midwest City, Okla	73110	737-3343
WA5WHO	Sam Gover	5400 South Lee	Oklahoma City, Okla	73109	
*WA5WCP	Paul Perryman	P.O. Box 2248	Bethany, Oklahoma	73008	
W5WL	Charles Sheaffer	2336 N.W. 46th Street	Oklahoma City, Okla	73112	
K5WMY	David Ballew	617 Fairlane Dr.	Midwest City, Okla	73110	737-0702
K0WNL	Don Beahm	2901 Shady Brook Drive	Midwest City, Okla	73110	733-1985
WA5WXE	Gene Binau	119 South 13th Street	Tecumseh, Oklahoma	74873	598-3822
WA5WYO	Robert Leinau	8404 Hillcrest Terrace	Oklahoma City, Okla	73159	
W5WZM	O.G. McClurg	309 West Street	Harrah, Oklahoma	73045	
K7YHA	Richard Arland	704 Askew Drive	Midwest City, Okla	73110	
WA5YIJ	Bill Miller	4408 Woodedge	Del City, Okla	73115	677-2053
K5YPK	Al Jalubowski	Route 2	Harrah, Oklahoma	73045	
K5YTW	Lloyd Benton	402 North Marshall	Midwest City, Okla	73110	732-4987
K5YZQ	Tom Hoflich	1426 Humboldt	Manhattan, Kansas	66502	
WA5ZAI	Hoss Karimi	6918 Morrow	Dayton, Ohio	45415	
*WA5ZAJ	Leonard Ainsworth	Box 2	Spencer, Oklahoma	73084	771-4391
WA5ZAN	Wallace McRay	Box 151	Seminole, Oklahoma	74868	382-5221
WA5ZCB	Richard Ogg	1500 S.W. 68th	Oklahoma City, Okla	73159	685-6440
WA5ZEC	Austin Brummett	869 N.W. 14th	Moore, Oklahoma	73160	794-1036
WA5ZNF	Joe Harding	1020 Arthur Drive	Midwest City, Okla	73110	737-1044
WA5ZRU	George Glass	2933 Berkshire Way	Oklahoma City, Okla	73120	842-7976
W5ZZG	Clint Griffin	2313 Mickey Road	Del City, Okla	73115	677-1758

Please notify the Secretary-Treasurer of any changes or corrections to the above list.

*Star indicates the members dues have or soon will expire.

----- BARGAIN BILLBOARD -----

FOR SALE-- At Public Auction on October 12, 1974 at 401 North Bailey in Hobart, Oklahoma, the memories and equipment collection of a lifetime's effort of radio gear scrounging. We have been notified that the estate of W5CFN will be sold at that time beginning at 12:30 p. m. Besides being an amateur operator, he was in the electronics business and had amassed a large collection of shop equipment including name brand signal generators, test equipment, tube tester's, test panel's, tubes, antique radio sockets, hookup wire, acetylene cutting torch, a metal lathe, 5 KW generator, self-supporting tower, surplus radio equipment including 522's and APS13's, Coaxial cable including RG17 (over a 1000 feet) and several hundred feet of Heliac. The end result of a lifetime of collecting. For more information, an auction sheet will be available at the club meeting listing only a part of this collection which is to be sold. The proceeds will be used to defray medical expenses and other costs of the estate. -----

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
Dennis Orcutt	WB5ISN	3401 South Rankin	Edmond, Okla	73034	Trustee	341-4200

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To Amateur Radio Station