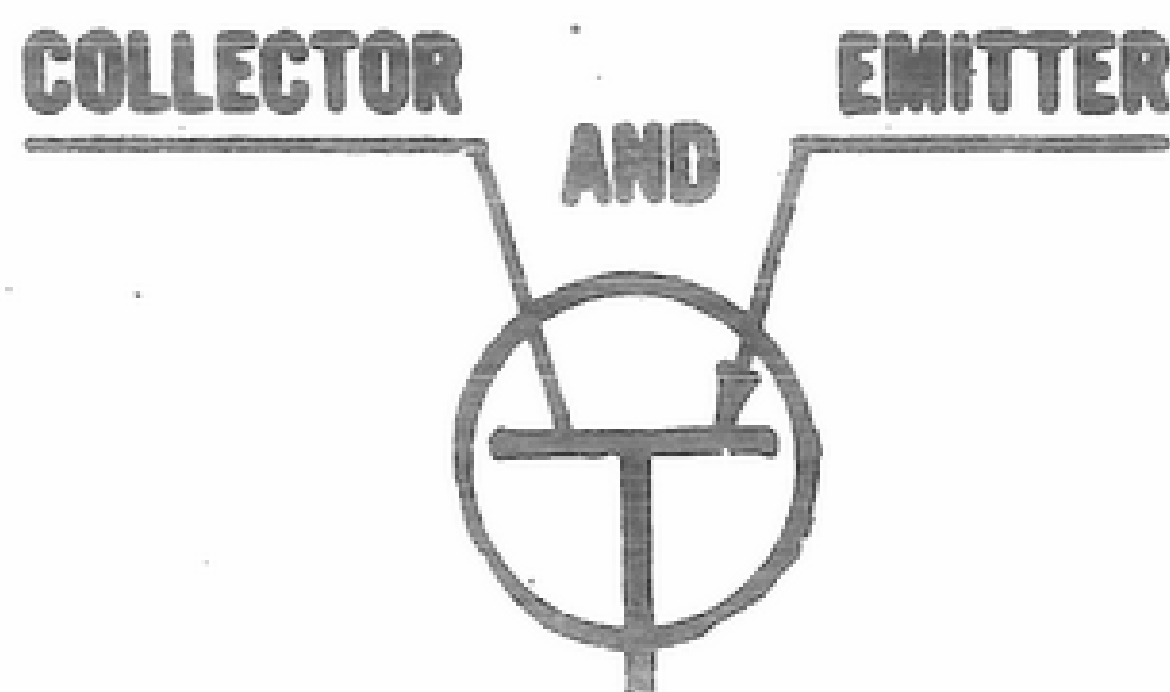


# Central Oklahoma Radio Amateurs



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Volume 1

NOVEMBER 1975

Number 10

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## TULSA HAMS FIGHT CITY HALL

On September 17 a group of approximately 50 Tulsa area hams met to show strength at the hearing on the TMAPC Board of Adjustment. The action was taken by the neighbors of K5LAD to appeal the City of Tulsa's issuance of a building permit for jim's 69 foot Rohn 45 foldover tower. In a marathon 2 hour deliberation on this one case, the apeal was upheld by the Board. This meant that Jim's building permit was invalid. The Board did agree that Amateur Radio is incidental to a residential area and thus would be permitted in the Amateurs home. They also agreed that, according to existing ordinances, there would be no height limitation on an antenna (aerial) but that a supporting structure for an antenna could not exceed 26 feet.

At this point, any tower higher than 26 feet is in violation. No future tower may be erected which will exceed the 26 foot limit. Any deviation from this decision will have to be individually decided by a variance.

Jim has a choice of several options. Because his tower was erected in compliance with a legal building permit and the tower was up before the board's decision, he could apply for and doubtless receive, a variance on his own case. If this were done, Jim would be OK, but it would leave all other Tulsa hams stuck with a 26 ft. restriction. He has chosen to appeal the case to Distdict Court to clear up the point for everyone. Appeal costs of approximately \$1,000 are expected.

This is not K5LAD's fight alone by any means. This is the fight of every "HAM" in Tulsa, to be sure, and all interested amateurs around the country.....The ARRL is providing some help in the legal line but the finances must come from us.

If you can help make check to "Jim Pickett Legal Defense Fund" & mail to TRO, P.O. Box 1422, Tulsa OK 74101

TRO Newsletter

The CORA Collector and Emitter is published monthly by CORA for the participating Amateur Radio Clubs in the Central Oklahoma area. Material contained herein may be reprinted without prior permission with credit given this publication. Address all correspondence to CORA Collector and Emitter, Box 15013, Oklahoma City, OK 73115.

Managing Editor	Joe Harding	WA5ZNF	737-1044
Editor for ACARC	Don Templeman	WN5NIY	787-7174
Editor for MORI	Jim Williams	K5VRL	942-0536
Editor for OCVHF	Joe Buswell	WA5TRS	732-0676
Editor for OKCAP	Don Moore	WA5FFK	787-5189

Central Oklahoma Radio Amateurs (CORA) Inc. was organized to enhance the cooperation of Oklahoma Amateur Radio Clubs in sponsoring activities of mutual interest to the Clubs and Radio Amateurs. Participation in specific CORA activities is optional with the individual Clubs. CORA officers are:

President	Ken Kendrick	WB5ECJ	751-4917
Vice President	Gary McCormick	WA5ETV	946-2898
Secretary	Ellard Foster	W5KE	789-6702
Treasurer	Bob Williams	WB5LHR	789-0987

Participating clubs for CORA Collector and Emitter:

#### AERONAUTICAL CENTER AMATEUR RADIO CLUB, INC.

Postal Station 18, Oklahoma City, OK 73169

Meetings: 8:00 p.m. on first Friday each month, Flight Standards Building, FAA Aeronautical Center. Club Station W5PAA.

President	Bob Ashby	W5HXL	942-5375
Vice President	Al Prince	WB5KCU	789-1160
Secretary/Treasurer	Bill Oliver	K5KDR	329-6333
Asst to President	Ken Ford	WB5KHU	528-8770

#### OKLAHOMA CENTRAL VHF AMATEUR RADIO CLUB, INC.

323 N. W. 10, Oklahoma City, OK 73103

Meetings: 8:00 p.m. on third Friday each month, American Red Cross, 323 N. W. 10. Club Station W5LOW.

President	Carl Drumeller	W5JJ	789-3788
Vice President	Tom Stinson	W5OZE	942-3714
Secretary	Jef Casey	WB5GWB	528-0252
Treasurer	Ellard Foster	W5KE	789-6702

#### MID-OKLAHOMA REPEATOR, INC.

Meetings: 8:00 p.m. Tuesday of first full week each month, Oklahoma City EOC, 4600 N. Eastern. WR5ADE 34/94  
WR5ADF 07/67

President	Bill Noland	WA5FWD	354-5018
Vice President	Jim Kearns	WA5LFN	751-6035
Secretary/Treasurer	Don Graham	WA5TAW	733-3044

Mail dues to Sid Gerber, 829 E. Bouse, MWC, 73110

#### OKLAHOMA CITY AUTOPATCH ASSOCIATION, INC.

Meetings: 8:00 p.m. on third Monday each month. WR5ACB 22/82  
147.81/21

President	Frank McCollom	WB5JBL	751-3577
Vice President	Larry Dillard	WB5CWB	685-4065
Secretary/Treasurer	Jim Denman	WB5EOL	681-6048

7705 S. Charlotte Drive, Oklahoma City, OK 73159

Subscription Price: \$3.50 per year to non-affiliated club members



FROM THE PRESIDENTS DESK

I don't go back in ham radio as far as some of you and I have only been using the two meter FM radio along with the Repeater for about two and a half years. So many of you know a lot more about the background of our repeater than I do, but think back and remember how excited we were to be able to have this kind of communication in our mobiles. Plus the wonder of them all, Our auto patch ! All of this is to remind you how lucky we are to have dedicated people putting together the equipment and maintaining it as they do. We are all spoiled and grumble far too much when the equipment doesn't work up to our expectations and I hear comments about the Auto Patch being off more than on. Take a look at your own equipment and see if it's all in top notch shape and what excuse do you have if it's not? The people who maintain our equipment are just as busy as you are with their own private lives and businesses yet they find time to donate parts of their lives to US.

Thanks to Bob, K5PJU, Tony K5CFM, Jim WB5EOL, Jim K5OHU, Guy W5TKS, and of course Jay K5CE for their time and talents on the Two Meter Gear. Joe WA5FLT and his crew are working on the Six Meter Repeater and Gary WA5ETV is ready to put up the 432 machine, thanks to you fellows too. Also Tony K5CFM secured us a Six Meter Repeater for a Back Up from one on his Customers-Thanks Tony.

Bob K5PJU gave us a Power supply and I suspect lots of other things- Thanks to Bob WB5NYR for taking over the duties of the Mid States Repeater meeting and to Don, WA5FFK for editing the news paper. Many of our members are active in other Ham Clubs and do not have the extra time to devote to our club work- But if your not among the workers and are just a Drone- then look out, have we got a job for you?

Frank WB5JBL

\*\*\*\*\* SWAP SHOP CORNER \*\*\*\*\*

FOR SALE 2ea 5element Cushcraft 6meter beams with matching harness-  
make offer-

1ea IC21A With warranty card and Original carton- Real Bargain  
Original crystals.

1ea DV-21 Icom Digital VFO-Warranty card and original carton  
Real Bargain. SOLD AS PAIR ONLY

1ea SB-500 Heath complete w/manuals \$125

For all the above items contact Larry Dillard 2624 SW69  
OKC 685-4065.

FOR SALE 1ea Viking Ranger Transmitter. 80-10 meters plus 160 with  
built in VFO. Good Novice rig. \$95. Don Moore & 787-5189.



#### CITIZEN BAND OPERATORS IN THE HAM BANDS ? ? ? ?

For some time now illegal operation by radio operators have ben popping up on the 40 meter band and just below the 10 meter band using single sideband as their mode of transmission. For those of you that are not aware of these acts here is a short account of these acts that have been happening.

As you are probably well aware, some of our present day amateur radio equipment that is marketed and sold here in the United States is made not only to cover the amateur bands but they are also designed to be used on the 11 Meter CB band. It seams that the growing sport among the present day Ham License Dodgers is to operate one of these High Power VFO controled rigs up and arround the 27.365 to 27.5 MHZ region. If you have a good general coverage receiver and want to kill some spare time some evening, just slip up there some time and take a listen to whats happening up there, you will be amazed! These boys are organized and are not the normal fling of CB'ers as we think of. They have their own call issue system (just like the FCC) along with a call book which lists every one who has been assigned a call across the U.S. If it wasn't for the 27 mhz Staring you in the face and the HF number they use you would be led to beleive that you were setting on 3900KHZ.

I had the occassion to visit a couple of these operations, and since I had not been exposed to such piracy before, I stood in awe to what was happening before my very own eyes.

Most of the present day SSB radio sets on the market today can very easley be put on 11 Meters bby just dropping a crystal in one of the vacant 10 Meter positions. For this very reason a CB'er can purchase a ham rig for less bills than he can go down to the local CB shop and bay one to cover both 10 and 11 Meters.

Now wait untill you here this, the boys up there have even organized their own Net, which operates arround 27.4 Mhz, and if you weren't carefull you might think you were tuned to the ICN on 20 meters.

We might be able to put up with all this and wait for the FCC to take care of these boys, but would beleive that eur friends up the band have slid down about 20 Mhz and homsteaded on the high end of 40 Meters ! Now when someone wonders arround like that operating illegal , what could the end be, not likely to be 40 meters. It seams that the truckers are buying these ham rigs to be used for long distance communications. Since 27 Mhz doesn't offer the cross country communication along with the local skip that 40 meters does. I guess these boys think their signals will be hid by the forgien broadcast stations and only Moma or the Girl at the next truck stop will hear them on their phone patch operation.

(cont next page)



What could this mean to the wide world of amateur radio? Well for one thing it could mean more government control, which we sure don't want and possibly it could cut out our phone patch operations, and who knows it might be a good enough excuse to shut us down completely.

What can we do? Probably the first thing we need to do is to get organized and set up a local committee to combat this kind of thing. I think we could also could set up our own monitor system to find out where these boys are located and the time of their operations, you can learn a lot by just listening to normal conversation. I'm sure something has to be done about this or we are going to lose our operation frequencies. So what do you think, can we in the OKC area get some action started. Lets try to stop this thing before its too LATE.

Don WA5FFK

#### SIX METER REPORT

The sites for the 6 meter repeater has been selected according to Joe WA5FLT. The Receive Site will be located at 2nd and Broadway and the transmitter will be located at 33rd and Rankin St both in Edmond. The equipment for the antennas will be Ringos with a receive height of 130ft and a transmit height of 100 ft. The sites have been loaned to the club by Dennis WB5ISN, with option of approval of the number of persons working at the sites. They are having audio problems with both the transmitter and the receiver strips. Any help will be appreciated. Contact Joe WA5FLT or Dennis WB5ISN at 354-8286 after 4 PM.

#### AMATEUR EXTRA:

A person who has done so much, for so many,  
for so long, with so little; that he is now  
qualified to do anything with nothing.

Faster than a 22/82 squelch tail.

Stronger than a 39/94 signal.

Able to leap tall towers with a single  
bound.

More weather retardant than the proverbial  
Postman.

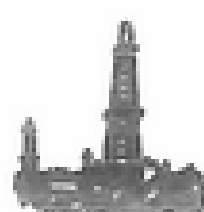
This is the AMATEUR EXTRA SPECIAL,  
no matter what his license class

These are the men who keep our repeaters  
on the air, our clubs and committees running  
and our numbers growing.

To those volunteers, volunteered, and elected  
we all should give our hardest thanks.

We live in a society where we have grown  
to expect everything to run smoothly, and  
never give a thought of praise, but let  
anything go wrong and we are all too quick  
to verbalize our discontent.

So next time something doesn't go right,  
think of how much YOU had to do with  
making it work.



## MID-OKLAHOMA REPEATER INC.

MORI MEETING SCHEDULED FOR TUESDAY, NOV. 4, 8 P.M. E.C.C. 4600 N. EASTERN. MAKE PLANS TO BE THERE. BUSINESS MEETING WILL CONSIST OF ELECTIONS OF OFFICERS FOR 1976, and plans for MORI CCAPA CHRISTMAS PARTY.

I WOULD LIKE TO EXPRESS MY APOLOGY FOR NOT HAVING ANY THING IN THE PAPER LAST MONTH.

SEE YOU AT MORI MEETING NEXT MONTH. COME OUT AND HAVE COFFEE AND DONUTS AND A GOOD "EYE BALL"

BILL WA5FWD

CONGRADULATIONS TO WA5FWD ON BEING A NEW GRANDFATHER. MOTHER AND GRAND-DAUGHTER ARE DOING FINE--DON'T KNOW ABOUT GRANDPA.

Here is a list of new members of MORI during Sept.

WA5UCK, LeRoy Grimes  
2707 Grimes Ave  
El Reno OK 73036

WB5NVF, Melvin E. Lynn  
Box 430  
Lexington OK 73051

K5DZV, Travis Harris  
3840 NW 31 St  
Oklahoma City OK 73112

K5SQJ, William O. Cook  
4808 Tate Dr  
Del City OK 73115

K5YBP, Cecil E. Shelton  
1212 SW 92 St  
Oklahoma City OK 73139

WA5ZGM, John Keeling  
300 N Fretz  
Edmond OK 73034

WA5KGV, Ed M. Peck  
2616 Clermont Place  
Oklahoma City OK 73116

WB5PGB, Leo Neyer  
2424 SW 91 St  
Oklahoma City OK 73138

WB5POW, Larry Stewart  
4138 NW 62 Street  
Oklahoma City OK 73112

Welcome to MORI, Glad to have you with us.



W5PAA

## THE PRESIDENT'S CORNER

Just waiting for TEXOMA HAMARAMA as this issue goes to press, but it will be history by the time you read it. The Hamarama Committee met at Texoma Lodge, Saturday, October 11, for final planning. It should be another great hamfest with good programs and prizes. Preregistration prize is an IC-22A 2 meter transceiver, and a TS 520 SSB transceiver for the grand prize.

Mini-Field Day, campout, weiner roast, or whatever you want to call it, is set for the weekend before Thanksgiving, November 22/23. Same as the last two years at Little River State Park on Lake Thunderbird. That's on Highway 9 east of Norman. This is a completely disorganized and informal affair, subject to the whims of weather and many other indeterminate factors. The only purpose is to have fun, and maybe do a little portable operating. Bring your camper, trailer, pup tent or whatever and spend the weekend - or - come on out and visit a while when you can make it. Plan on a weiner roast Saturday night about sunset and a covered dish dinner Sunday about high noon. Bring your own food, firewood, etc - you may be the only one there! Hope not.

The "Porta-Shak" is getting a good workout this fall with a four day weekend at Platt National Park and Texoma State Park. Platt was full quieting thru the Ardmore repeater that led to many fine QSO's and an eyeball visit with Lloyd, W5\_\_\_ in Sulphur. The Rock Creek campsite was quiet, sparsely settled and with an abundance of shade trees, ideal for relaxation and an evening of sitting around a warm glowing campfire.

Moving on to Texhoma, we found quite a contrast. Apparently every RU in Oklahoma and half of Texas was there. We did find a good campsite with the lake for a "front yard" and ample trees for shade and antenna supports. The portable five element YAGI made it possible to work through the Ardmore repeater, and the inverted Vee, strung up in the trees with the trusty sling-shot, led to many good 75 meter contacts. I did have to take considerable ribbing from neighbors who tried to convince me that fish wouldn't bite on a "trout line" strung up out of water! Unfortunately, good things have to end all too soon, so we broke camp and headed back Sunday afternoon to park the "Porta-Shak" in full readiness for the next trip.

Thanks to Melvin Hood, K5VWQ, and Ellard Foster, W5KE, the club trailer has been sandblasted and repainted. Now if we can get the PE-75 overhauled, the Club's emergency power set up will be in first class condition.

**NOVEMBER PROGRAM:** Ben Pellerin, WA5VGD, will tell us about his experiences as a Merchant Marine Radio Operator and the "Hams" he has met around the world. November 7, 1975.

**DECEMBER PROGRAM:** Dinner meeting at Dodson's Cafeteria, S. W. 59th and Penn, 6:30 p.m., December 5, 1975.



MINUTES OF THE AERONAUTICAL CENTER AMATEUR RADIO CLUB  
October 3, 1975

The meeting was called to order by President Ashby at 2014. There were 24 members and guests present. Each member was asked to introduce himself and give his accomplishments during the month. Charlie Green, WA5JGU, visited the State Civil Defense facilities at the State Capitol. He said they were getting new Collins equipment and a nice station was shaping up. Jerry, W5MCJ, has been helping the secretary of the Morse Telegraph Club. Also, he has acquired an old Santa Fe Railroad operating rules book. Lloyd, WB5HUP, is off the low bands now and is looking for a new site for his repeater. Jef, WB5GWB, is getting ready to move into a new house. Ivan, W5HFU, announced an upcoming festival. Gil, W5RB, is still working the CW nets. Dorothy, WB5ELG, had nothing to brag about she said. However, President Ashby pointed out that Dorothy's picture is on the cover of the current issue of the Collector and Emitter. It was noted that she checks into many nets and can always be depended upon to handle traffic. Cecil, W5PML, had attended a club meeting in Broken Arrow. He thoroughly enjoyed a tour with the club as they visited Spartan Avionics. He has been checking into the phone nets. He advised that the Lawton repeater on 28 - 88 is presently operating from Grandfield which is 35 miles southwest of Lawton. The Lawton group is still working on the repeater license for Lawton. Dave, W4YDY/5, has been working 40 and 20 meters. His daughter, Susan, WN4AKB/5, is doing okay but said things could be a little better in her history class. Mac, K2GKK/5, is looking for a mic for motorcycle mobile. He has put up a 160 meter antenna at his QTH (had to bend it around a little). H.O., WA5MLT, has been waiting 10 weeks and 1 day so far on a new class license. He is looking for some H.F. equipment. Jim, WA0GZU, is a student at the Academy from St. Louis, Missouri. He is looking for some 2 meter gear to take back home with him. John, W5AVK, has built all of his radio gear - it is Heathkit. Frank, W5TNW, mentioned that he had worked W5AVK. Bill, W5UGZ, is busy going to night school. Bob, W5HXL, has built a mobile whip and has a portable 2 meter beam.

President Ashby announced that the December club meeting would be held at Dodson's Cafeteria. More details in the November C&E.

The meeting was adjourned at 2130 for refreshments.

Bill Oliver, K5KDR  
Secretary and Treasurer

Correspondence concerning the Aeronautical Center Amateur Radio Club should be sent to:

Aeronautical Center Amateur Radio Club  
Postal Station 18  
Oklahoma City, Oklahoma 73169

Dues are: ARRL \$9.00  
ACARC 1.50  
Total \$10.50

## MAGAZINE REVIEW

ELECTRONIC COMPONENT NEWS, Sep, has a section on test equipment.

ELEMENTARY ELECTRONICS, Nov/Dec, treats FM standards, early wireless, antique radio, vertical antennas for radio amateurs, a review of the remarkable Barlow-Wadley receiver, phase and frequency measurement, and magnetism for electronics.

RADIO-ELECTRONICS, Nov, is a total loss.

POPULAR ELECTRONICS, Nov, describes a multi-purpose bench power supply.

SHORT WAVE MAGAZINE, Sep, touches on a 5-W transistor 7-MHz xmtr, FM for old VHF AM xmtrs, a half-size quad for 14-MHz. Also its FB communications news.

HAM RADIO, Oct, centers on receivers, and very well, too. Jim Fisk tells about sensitivity, noise figure, and dynamic range. DJ2LR tosses in more info on inputs for good dynamic range, and I5DJ tells how to build a super receiver. There's more, too!

RADIO COMMUNICATION, Sep, discusses subjective selectivity, once a subject of research by the U. S. Navy. Technical Topics introduces to amateur radio Class E amplifiers, developed in the USA, but, as usual, revealed to US readers only through an English magazine. Wonder what's wrong with QST and HAM RADIO? If you want to find out what US amateur radio will be discussing in 1977, read the current English magazines!

QST, Oct, does well with an article by Bob Edlund, W5DS, on loop receiving antennas. Then there are two good articles on shunt feeding towers. Read how MARS started!

AMATEUR RADIO, Aug, shows a bench power supply and has the second section of "Amateur Building Blocks."

73, Oct, offers several good articles on digital ICs, a chunk out of the past on 5-m operation from an aircraft, a regulated power supply, a home-built operating desk, and more on amateur radio public relations.

WORLDRADIO NEWS, Oct, suggests that code classes would do their students a favor by sending typical amateur radio telegraph contact exchanges instead of convention text or code groups. Good idea, especially if all traces of typical liddism were edited out of the material!

## CHATTER

The whole flock of amateurs around OKC have up-graded their licenses over the past several months. Who can supply names, calls, and license classes?

Ralph Ladd, W3KA, long a member of the ACARC, sends on info on a number of ex-FAA ops he saw at the ARRL National Convention; W4LB, George Boardman; K4MV, Lloyd Lindsay; W4XS, Art Ashley; W4GOG, Wilbur McNallan; W4HM, Walt Honea; Vic Clark and McBurney.

Major Clarence C. Drumeller, W5TKC, is getting settled in his new assignment as CO of an Air Force detachment at an Army Fort in Virginia.

Bob Jensen, K5TQV, has moved from OKC to Arkansas. He'll be missed from the Mini-Hamfest held each morning at 0930 at the Around the Corner coffee shop, N. W. 50th and MacArthur Blvd.

Hadley Bowers, W5WEH, is reported to be in Mercy Hospital with a possible heart attack.



Club  
NEWS

WSLOV  
The Elmer Goodler Memorial  
Station

FROM THE PRESIDENT

BECAUSE OF OTHER COMMITMENTS, MY ACTIVITIES RELATING TO THE OCFHFARC HAVE BEEN MINIMAL DURING THE PAST MONTH. INSTEAD, I'VE BEEN TRAVELING, FIRST TO NEW ORLEANS TO A DISTRICT CONVENTION OF THE AMERICAN ASSOCIATION OF RETIRED PERSONS. MY YF AND I PASSED A VERY PLEASUREABLE WEEK THERE, SQUANDERING LITTLE TIME AT THE CONVENTION AND SPENDING THE REMAINDER EXPLORING THE FRENCH QUARTER. RETURNING FROM NEW ORLEANS, WE WERE IN WARR ACRES ONLY THREE DAYS BEFORE EMBARKING ON A TRIP TO COLORADO, WHERE WE ENJOYED TWO WEEKS OF RENEWING ACQUAINTANCES WITH OLD HAUNTS.

TWO-METER FM PROVIDED MANY PLEASANT CONTACTS, SOME WITH NEW ACQUAINTANCES, SOME WITH OLD FRIENDS DATING FROM THE THIRTIES, WHEN I WAS W9EHC AT COLORADO SPRINGS. I FOUND .34-.94 VALID AT PUEBLO, GRAND JUNCTION, DENVER, AND AMARILLO. THE RANGE OF THE DENVER REPEATER WAS PHENOMENAL, BUT THERE'S ONE AT COLORADO SPRINGS ON .16-.76 THAT'S SUPPOSED TO BE EVEN BETTER.

WHILE AT DENVER, A NEPHEW INVITED ME TO A FIRING RANGE TO TRY MY HAND WITH A 30-06, THE FIRST TIME TO HAVE MY SHOULDER BOUNCED BY A HIGH POWERED GUN IN OVER A QUARTER CENTURY. LOTS OF FUN, ESPECIALLY WHEN THE SPOTTING SCOPE SHOWED I COULD STILL DO A FAIR JOB OF PUTTING HOLES IN THE TARGET.

JUDGING FROM ANTENNAS ON CARS AND HOUSES, THERE'S MORE CRIMINAL BAND OPERATION IN AND AROUND OKC THAN ANY OTHER PORTION OF THE COUNTRY I VISITED. MY YOUNGER SON AND SON-IN-LAW HAVE BEEN MUTTERING ABOUT PUTTING CRIMINAL BAND GEAR INTO THEIR RECREATIONAL VEHICLES. IF USED LEGALLY, OK, BUT I DETEST THE USUAL CRIMINAL MISUSE!

THERE WAS A PLEASANT SUPRISE AWAITING IN THE STACKED-UP MAIL UPON MY RETURN FROM COLORADO. IT WAS A CHEQUE FROM 'SHORT WAVE MAGAZINE' FOR AN ARTICLE OF MINE THEY'D PURCHASED. IT WAS MY FIRST SALE TO AN ENGLISH MAGAZINE.....AND ON A FIRST TRY TOO!

IN REPLY TO JOE'S COMMENT, QED MEANS QUOD ERAT DEMONSTRANDUM, OR THAT WHICH WAS TO BE DEMONSTRATED.\*

ALTHOUGH NO REGISTRATION FORMS HAVE BEEN RECEIVED, IT'S ASSUMED THERE'LL BE A HAMARAMA AT LAKE TEXOMA. MY YF AND I HAVE RESERVATIONS AT THE LODGE AND PLAN TO CHAT WITH THE GANG THERE. SO... SEE YOU AT TEXOMA! CARL, W5JJ

\*EDITOR'S NOTE WHEN I SAW CARL'S CONCLUDING QED LAST MONTH, I THOUGHT HE MEANT THE Q SIGNAL FOR "FOLLOW THE PILOT VEHICLE".... DURNED IF I COULD FIGURE OUT WHAT HE MEANT BY THAT! PRETTY TRICKY WAY TO GET US TO READ HIS ARTICLES A COUPLE OF TIMES....

QST FROM THE NORTH POLE

CHRISTMAS IS COMING-A WORD TO YOU SANTAS-CHILDREN IN FOSTER HOMES NEED TO BE REMEMBERED TOO. THE STATE DOES NOT PROVIDE CHRISTMAS



## Club NEWS

W5LOV  
The Elmer Gooder Memorial  
Station

PRESENT MONEY FOR THESE CHILDREN. IF YOU COULD PROVIDE A GIFT FOR A CHILD, AGE 1-18 YEARS, PLEASE BRING IT TO THE NOVEMBER OR DECEMBER CLUB MEETING. THE CLUB HAS SELECTED THIS PROJECT INSTEAD OF A GIFT EXCHANGE THIS YEAR. IF YOU CANT MAKE IT TO THE MEETING, GET IN TOUCH WITH WB5KHU, 528-8770, OR WA5JGU, 943-5631.

### WEINER ROAST SUCCESSFUL - BURP!

THERE WAS A LARGE TURNOUT OCT 17 FOR THE WEINER ROAST HELD AT WILL ROGERS PARK. YOUR EDITOR ARRIVED LATE, AS USUAL, BUT THERE STILL SUFFICIENT FIRE TO SIZZLE A FEW AND SPIN MORE THAN A FEW YARNS.

ELLARD, W5KE, WAS THERE WITH ANOTHER SURPLUS GOODIE. THIS TIME IT WAS A JILLION WATT DUMMY LOAD. LOOKED LIKE A CAGE FOR A GIANT SOUTH AMERICAN CONDOR, EVEN COVERED ALL OVER WITH FINE COPPER WIRE SCREEN TO KEEP THE CONDOR MITES IN. I LOOKED AROUND FOR A FEW TO ADD TO MY PESTILENCE COLLECTION FOR THE MOCK CIGAR BOX CB RADIO PROJECT, BUT IT WAS TOO DARK TO DO ANY GOOD. HE MUST HAVE BROKEN THE OVERLOAD SPRINGS IN HIS PICK-UP BECAUSE HE HAD THIS GIANT PIECE OF RADIO APPARATUS IN A HUSKY TRAILER. MORE ABOUT W5KE AND HIS ELECTRICAL JUNK YARD IN A MINUTE...

WHOEVER LOST A TABLE KNIFE AND/OR ICE BUCKET, SIX-PACK SIZE, CAN COME TO THE NEXT VHF CLUB MEETING AND CLAIM IT.

I VOTE FOR MORE CLUB PROJECTS LIKE THIS ONE. WE SHOULD ALSO INCLUDE MORE OF OUR NON-AMATEUR FRIENDS.

### WORLD'S LARGEST MOBILE TRANSMITTER

ELLARD, W5KE, WHO DABBLES IN SURPLUS ELECTRONICS UNDER THE NAME ELLARD'S EX EL, BOUGHT A SURPLUS LOT FROM GENERAL SERVICES ADMINISTRATION CONTAINING AN FRC-30 TRANSMITTER. IT WAS TEMPORARILY 'INSTALLED' IN HIS PICKUP AND TERMED "THE WORLD'S LARGEST MOBILE TRANSMITTER".

HE SUPPLIED A COLOR PHOTOGRAPH BUT IT DID NOT HAVE SUFFICIENT CONTRAST FOR PRINTING IN BLACK AND WHITE. THE TRANSMITTER APPEARED TO BE ABOUT AS WIDE AS A LARGE PICKUP BED IS LONG AND EQUALLY AS TALL. IT CONTAINED FOUR COLUMNS OF RACK PANELS AND A ROW OF TWELVE METERS ACROSS THE TOP. THE PICKUP APPEARED TO BE SETTING ON ITS OVERLOAD SPRINGS.

WHEN ASKED IF IT WAS A CB TRANSMITTER, W5KE POINTED OUT THAT CB RIGS WORK ON ELEVEN METERS. HE REPLIED THAT THE FRC-30 WAS A TWELVE METER TRANSMITTER. TO GET IT ON CB, ONE METER WOULD HAVE TO BE REMOVED AND THAT WOULD LEAVE AN UGLY HOLE.

IT IS COMMON PRACTICE FOR SURPLUS LOTS TO CONTAIN A GREAT VARIETY OF MORE OR LESS USABLE ITEMS. W5KE FINDS THE INSPECTION OF SURPLUS OFFERINGS TO BE A SEARCH FOR THE POT OF GOLD AT THE END OF THE RAINBOW. A FEW GOODIES ARE FOUND AND BIDS ARE BASED OF THEIR VALUE. IF THE LOT IS BOUGHT, THE GOODIES SELL READILY, BUT THE



Club  
NEWS

WSLOW  
The Elmer Goodler Memorial  
Station

RESIDUE MUST BE STORED OR SCRAPPED. SOME GOOD DEALS EVEN TURN UP UNEXPECTEDLY AND W5KE NEVER LACKS FOR TRADING STOCK.

W5TRS, AS TOLD BY W5KE

PECULIARITY OF THE WEEK

LEONARD, WA5FSN, SUPPLIED THE FOLLOWING FROM HR REPORT, OCT 3, 75

"SECRECY PROVISIONS OF THE COMMUNICATIONS ACT OF 1934, SECTION 605, DESERVE A LOT MORE ATTENTION BY AMATEURS THAN THEY'VE BEEN GETTING"

"A STRICT INTERPRETATION OF SECTION 605 FORBIDS THE DISCLOSURE OF ANYTHING HEARD ON THE AIR EXCEPT BROADCAST AND AMATEUR TRANSMISSIONS - AND THAT INCLUDES MENTIONS OF FREQUENCIES OR ANY OTHER INFORMATION REGARDING THE OVERHEARD SIGNALS!

"SINCE THIS BAN APPLIES TO CB AS WELL AS OTHER SERVICES, IT COULD PUT A SEVERE CRIMP IN SOME OF THE RECENTLY PUBLISHED CB CLEAN-UP EFFORTS CONDUCTED BY AMATEUR GROUPS. IT ALSO PUTS THE CONVICTION OF THE WISCONSIN CB'ER WHO WAS FINED \$100 FOR WARNING A TRUCKER OF A 'SMOKEY'...HR REPORT, MAY 9...ON SOMEWHAT SHAKEY GROUND, SINCE THE TROOPERS' USE OF AN INTERCEPTED TRANSMISSION BECOMES SOMEWHAT GRAY.

"THE INTENT OF SECTION 605 IS QUITE CLEAR -- HOW LIKELY AN AMATEUR IS TO BE CITED FOR VIOLATING IT IS NOT."

WHAT'S PECULIAR ABOUT THIS SECTION OF THE ACT IS THAT NO ONE WHO IS USING RADIO FOR TWO WAY CONVERSATION IS GOING TO BE NAIVE ENOUGH TO THINK IT COULDN'T OR WOULDN'T BE INTERCEPTED. I DON'T KNOW WHAT MIGHT HAVE BEEN THE REASONS, POLITICAL, ECONOMIC, OR DIPLOMATIC, FOR WRITING THIS SECRECY BIT INTO LAW, BUT, I ALWAYS ASSUMED THE SUBSTANCE AND INTENT OF SECTION 605 WAS TO PROTECT THE INTEREST OF A PERSON CONDUCTING BUSINESS OR TRANSMITTING PRIVATE INFORMATION VIA RADIO AND GIVE HIM RECOURSE IF HE WAS HARMED BY UNAUTHORIZED USE OF KNOWLEDGE GAINED BY UNINTENDED RECIPIENTS. IT APPEARS TO ME THAT THE INTENT IS NOT AT ALL CLEAR!

IT ALSO APPEARS TO ME THAT AN EVESDROPPER WHO OBSERVES AN ILLEGAL ACT BEING PERFORMED IS CAUGHT BETWEEN A ROCK AND A HARD PLACE. IF HE REPORTS IT, HE COULD BE ACCUSED OF VIOLATING SECTION 605. ON THE OTHER HAND, IF HE WITHHOLDS THE INFORMATION, COULDN'T HE BE ACCUSED OF BEING AN ACCESSORY TO THE ILLEGAL ACT?

EITHER CASE IS PROBABLY ABSURD. I HAVE NEVER HEARD OF ANYONE BEING ARRESTED AND CHARGED AS AN ACCESSORY AFTER OBSERVING AN AUTOMOBILE EXCEED THE 55 MPH SPEED LIMIT!

ANYWAY, SECTION 605 MAKES FOR SOME INTERESTING DISCUSSION, AS EVIDENCED BY THE DEBATE FOLLOWING ITS INTRODUCTION AT THE WEINER ROAST. I SUGGEST ALL YOU PROSPECTIVE INTRUDER WATCHERS, CB OBSERVERS, AND LATRINE LAWYERS LOOK IT UP AND READ IT. NOTICE, IF YOU DO, THAT IT APPLIES ONLY TO INTERSTATE OR FOREIGN COMMUNICATIONS AND DOES NOT APPLY TO "...COMMUNICATION WHICH IS BROADCAST OR TRANSMITTED BY AMATEURS OR OTHERS FOR USE OF THE GENERAL

PUBLIC..." MY EMPHASIS ADDED. BROADCAST, IN THE SENSE USED HERE, IS A RADIO TRANSMISSION NOT SPECIFICALLY DIRECTED TO AN INDIVIDUAL. AN "SOS" IS A BROADCAST.

AS FOR MYSELF, AS USUAL, I ONLY KNOW ENOUGH TO GET MYSELF IN TROUBLE. AS THEY SAY, "A LITTLE KNOWLEDGE IS WORTHLESS".

EXTRACTS OF THE COMMUNICATIONS ACT OF 1934 CAN BE FOUND IN THE ARRL LICENSE MANUAL. JOE, WA5TRS

EDITORS NOTE. OFTEN, BECAUSE WE ARE INTIMATELY FAMILIAR WITH THE SUBJECT, WE FAIL TO COMMUNICATE CLEARLY WITH OTHERS ABOUT OUR HOBBY OF AMATEUR RADIO. THE FOLLOWING MIGHT BE USEFUL TO REFOCUS OUR PERSPECTIVE IF WE HAVE AN OCCASION TO DISCUSS IT WITH NON-AMATEURS.

#### HAM OPERATORS - THE GOOD GUYS

IT SEEMS IN THIS VERY COMPLEX SOCIETY IN WHICH WE LIVE, THAT THERE ARE ONLY TWO CLASSIFICATIONS FOR INDIVIDUALS, GROUPS OR ORGANIZATIONS, NO MATTER HOW LARGE OR SMALL. THE TWO CLASSIFICATIONS ARE, BAD GUYS AND GOOD GUYS.

THERE CAN BE NO DOUBT TO WHICH GROUP HAM OPERATORS BELONG. THEY ARE VERY DEFINITELY GOOD GUYS. THEY EXIST ONLY FOR FELLOWSHIP WITH EACH OTHER AND FOR SERVICE TO THOSE WHO NEED THEM. THOUSANDS OF PERSONS ENJOY THE USEFUL AND INTERESTING HOBBY OF AMATEUR RADIO. THESE HAMS, AS AMATEUR RADIO OPERATORS ARE OFTEN CALLED, SEND MESSAGES ON THEIR HOME STATIONS TO FRIENDS IN THE NEXT BLOCK OR HALFWAY AROUND THE WORLD.

MOST GOVERNMENTS ENCOURAGE THESE AMATEURS BECAUSE IN CASES OF EMERGENCY, TRAINED OPERATORS ARE URGENTLY NEEDED. HAMS PROVIDE VITAL COMMUNICATION DURING FLOODS, FIRES, TORNADOS AND HURRICANES. IT IS INTERESTING THAT AMATEUR RADIO IS THE ONLY HOBBY REGULATED BY INTERNATIONAL TREATY. AMATEUR BANDS, AGREED ON BY MOST NATIONS, ARE SANDWICHED BETWEEN FREQUENCIES ASSIGNED TO SHIPS, AIRCRAFT, BROADCASTING STATIONS, ARMED FORCES, POLICE AND OTHERS. IN THE UNITED STATES, AMATEUR RADIO OPERATORS ARE REGULATED BY THE FEDERAL COMMUNICATIONS COMMISSION.

AMATEUR RADIO REALLY BEGAN IN 1901 AND BY 1912, THERE WERE MANY YOUNG SCIENTISTS INTERESTED IN THE NEW FIELD. AS INDIVIDUALS, HAMS ARE NEVER LONELY. ALL ONE HAS TO DO IS TO SEND OUT A CALL FOR HELP ON SOME PROBLEM AND PRESTO, THERE ARE SEVERAL ANSWERS CONTAINING SOLUTIONS OR JUST FRIENDLY SUGGESTIONS. EVERY HAM IS WILLING TO HELP ANOTHER OR ANYONE ELSE WHO NEEDS HIM. AGAIN, THEY ARE THE GOOD GUYS. MOBILE UNITS IN INCREASING NUMBERS ARE CARRIED IN PASSENGER CARS AND TRUCKS AS A SAFETY PRECAUTION. INSTANT CONTACT WITH POLICE OR OTHER OPERATORS SERVES AS A GREAT DETERRENT TO THOSE WHO WOULD TAKE ADVANTAGE OF FELLOW CITIZENS. SO, WHO CAN DOUBT THAT HAM OPERATORS ARE INDEED THE GOOD GUYS.

MAC, W5WZM

GUEST AUTHORS FOR NEXT MONTH WILL BE... RAY PETERS, WB5BTT, CHARLIE GREENE, WA5JGU, AND, BOB SINGLETARY, W5MCM. I WOULD LIKE TO HAVE THE COPY, FOR ANYTHING TO BE INCLUDED IN THE NEXT ISSUE, BY NOV. 15. IF YOU DON'T SEE ME, SENT IT TO BOX 10674, MIDWEST CITY OK 73110. LEON JOHNSON, WA5OYY, DIDN'T COME THROUGH WITH HIS ARTICLE BUT I'LL GO EASY ON HIM BECAUSE I FAILED TO MAKE PERSONAL CONTACT TO ADVISE HIM. NEXT TIME LEON. JOE, WA5TRS

### WILD IDEA DEPARTMENT

HOW 'BOUT A MOBILE ANTENNA MADE UP OF SEVERAL SUPERIMPOSED HELICES...HELIXES?...WOUND ON THE SAME FIBERGLAS SHAFT? USE FOR BANDCHANGING WITHOUT GETTING OUT OF THE CAR. TUNING WOULD BE TRICKY, THE VARIOUS SECTIONS INTERACTING, AND THE WHOLE THING WOULD BE RATHER LOSSY, BUT WHAT MOBILE INSTALLATION ISN'T? TYPICAL EFFICIENCY ON 75M IS PROBABLY 5-8% IF EVERYTHING IS COOL!

HOW 'BOUT A PIECE OF COAX ADDED SOMEHOW TO A MOBILE ANTENNA SYSTEM, CUT TO PROPER LENGTH AND PROPERLY TERMINATED TO MAKE A FREQUENCY DEPENDENT REACTANCE THAT WOULD CANCEL THE REACTANCE CAUSED WHEN THE TRANSMITTING FREQUENCY IS MOVED FROM THE RESONANT FREQUENCY OF THE WHIP? PURPOSE WOULD BE TO INCREASE USABLE FREQUENCY RANGE, PARTICULARLY WITH THE NEW SOLID STATE RIGS THAT HAVE NO TUNE AND LOAD KNOBS TO TWIDDLE.

HOW 'BOUT TWO LOADED WHIPS WITH BALANCED FEED ON THE MOBILE RIG SO IT IS UNNECESSARY TO WORK THE SINGLE WHIP AGAINST THE GROUND PLANE AFFORDED BY THE CAR AND ITS CAPACITANCE WITH THE EARTH? THE GROUND SYSTEM IS WHERE MOST OF THE LOSSES ARE FOUND. MAYBE WITH BALANCED ANTENNA, EFFICIENCY COULD BE RAISED TO AN ASTRONOMICAL 15 OR 25% ?

HOW 'BOUT THE TRANSFORMER MANUFACTURED BY ATLAS FOR MATCHING THE 50 OHM OUTPUTS TO THE LOW ANTENNA IMPEDANCES OF 13, 18, AND 23 OHMS? ANYBODY CLUE ONE OUT? MY GUESS IS THAT IT IS 12 TURNS ON A TWO INCH TOROID WITH TAPS AT 6, 7, AND 8 TURNS.

HOW 'BOUT THOSE DONALD DUCK, OR EQUIVALENT, MAGIC WRITING TABLETS...THOSE THINGS THAT YOU WRITE ON WITH A STYLUS AND LIFT THE TOP TRANSLUCENT LAYER TO ERASE? MIGHT BE HANDY FOR SCRIBBLING FOREIGN CALLS, DISCUSSION POINTS, ETC WHILE PLAYING RADIO. PERTINENT DATA COULD BE TRANSFERRED TO THE LOG. MAYBE THEY MAKE LITTLE ONES THAT WOULD WORK IN THE CAR.

HOW 'BOUT TAKING A PAIR OF DIKES TO A SELF ADHESIVE CABLE HANGER AND MAKING A SLOT IN IT FOR HANGING THE MIKE UP IN THE CAR? MIGHT BE ALMOST AS GOOD AS A MAGNETIC MIKE HANGER.

HOW 'BOUT NOT TAKING THE DIKES TO SOME OF THOSE SELF STICK CABLE HANGERS AND USING THEM FOR THE PURPOSE FOR WHICH THEY WERE DESIGNED. THEY SHOULD ORGANIZE THE POWER AND ANTENNA CABLES NICELY.

HOW 'BOUT SOME MORE HOW 'BOUTS FOR NEXT MONTH? JOE, WA5TRS

## THE ZANY NEWS FREQUENCY

CONGRATULATIONS ARE IN ORDER --For a 50th Anniversary for MARS, thats "Military Affiliate Radio Service", formerly known as AARS when the army started it on 1 November 1925. A dire need for radio operators was brought on by WW I but it took that long to finally get a service actually in operation that would fill a much greater need in WW II when thousands of amateurs who could no longer operate joined the various services and continued to operate, only doing it the military way. An awful lot of those were active AARS members. Between the wars practically every emergency that came up saw Affiliate stations right in there assisting with communication when all other methods failed. Messages for military personnel were handled and by the time Vietnam came along the frequencies, most of which fall just outside the amateur bands, were filled with welfare traffic, nearly half a million in 1971 for the Army MARS alone, then there were the phone patches (great morale builders, I know because my son was able to call me from there). Air Force MARS, via Barry Goldwater's station alone, handled over 50,000 patches. The Navy MARS bunch were right in there too.

The Men From MARS (they also welcome YLs) are a great bunch and I consider it an honor and a privilege to be an active member. Tuesday nights will find me as net control on Air Force net 4S2 on the low bands. Both the Army MARS and Air Force MARS have 2 meter repeaters in the Okla City area as well as all over the U.S.

If you would like to serve, learn and maybe get a choice piece of equipment for your shack contact any Army, Navy or Air Force MARS member or just let your interest be known at the next club meeting you attend. It's free and it's fun.

NEED ALUMINUM SHEILDING MATERIAL FOR YOUR CONSTRUCTION PROJECTS??? With each issue of Collector & Emitter we end up with five or more aluminum printing plates 10x15 inches but only .0035 inches thick. If you wouldn't mind the printed matter burned into them, say the picture of Ken Kendricks, being in your project they should serve a lot of purposes. I have a stack that are going to have to go so if you want some just let me know. No cost.

A NEW NOVICE (A1, WN5OHK) SENDS THIS GOOD ADVICE-- Several months ago I read in one of the ham magazines that too many QSL cards were not arriving at their destination and also were not being returned. I discussed this with a fellow ham at work (post office) and he said that they should be returned because they are first class mail. This is true to a point, in that they are first class IN THE FORWARD MOTION ONLY and if not deliverable are disposed of. There are many reasons for non-delivery (not always the fault of the post office) such as transposing numbers, there is no directory service for this, and incomplete address. I've seen a lot of these in better than 20 years, for instance a person might address a card with the right number but the wrong street or vice versa. None of these will be returned, unless you are just plain lucky. The only way to be sure that a QSL card, if not delivered, is returned to you is to endorse it ADDRESS CORRECTION REQUESTED! This can be done by your printer or by a rubber stamp. They will then be returned to you with POSTAGE DUE but you will have a good address.

<div> <div>NOVEMBER</div> <div>HAM HAPPENINGS</div> </div>						
SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
						1
2	3	4 MORI MEETING	5	6	7 ACARC MEETING	8
9	10	11	12	13	14	15
16	17 AUTODATCH MEETING	18	19	20	21 VHF MEETING	22 MINI-FIELD DAY →
23 PG-7 20	24 EDIT C/E	25	26	27 THANKS-GIVING GOBBLE GOBBLE!	28	29

See page 2 and club's section for times, places and details.

CORA COLLECTOR & EMITTER = Box 15013, Oklahoma City OK 73115

ADDRESS CORRECTION REQUESTED

BULK RATE  
U. S. POSTAGE  
PAID  
OKLAHOMA CITY OK  
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