



HAM HUM

Published by

AK-SAR-BEN RADIO CLUB, INC. - Omaha, Nebr. 68101
Post Office Box 291 - Downtown Station



Vol. XVIII
No. 11

November

NOVEMBER MEETING (A Special One)

- WHAT:** See computers in operation!
- WHEN:** Friday, November 8, 1968
- TIME:** 7:00 P.M. 1900 CST 0100 Zulu
(This is 7:00 P.M. and not 8:00 P.M.
as is our custom. Be prompt!)
- WHERE:** Mutual of Omaha — 3316 Farnam Street
(Enter south entrance of building.)
- PARKING:** Lot at 33rd and Farnam Streets.
- NEXT:** At approximately 8:00 P.M. we will adjourn to the Red Cross Chapter House where we will hear comments on programming of these Electronic Data Processing machines. The usual refreshments and eyeball QSO's will follow.
- Watch out for Mr. Ak-Sar-Ben! If you are the third person to shake his or her hand, you will know it quickly as Mr. Ak-Sar-Ben will continue to hang right on until the prize is delivered.

HAM HUM is the official organ of the Ak-Sar-Ben Radio Club, Inc., of Omaha, Nebraska, mailed monthly to all members and to others upon request.



Next copy deadline: November 29th

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To Ham Hum Editor:

Royce Johnson, WAØKIL, passed the General Class license test in October. He wants it known that this took many hours away from his on-the-air time over the last year but that he expects to cause his share of "QRM" on the low bands as well as VHF in the future. He still doesn't know why anyone gets as nervous as they do when taking the examination.

Thanks!

Royce E. Johnson

(Editor's Note: Our congratulations to you, Royce! Now is the time to start using the CW to further develop your speed for the next test. And to the rest of the Club members, the card from Royce is one of the few we have received from our members as to their own "happenings." A card is enclosed with Ham Hum each month. Our members are interested in you, so please return the card giving information of interesting happenings at your QTH.)

NEW CALL

Sirs:

As of July 16, '68 I'm now WNØVDD for UR records.

Joe E. Chastain
5832 Frederick
Omaha, Nebraska

(Editor's Note: Congratulations, Joe! And what do you know, a card from a second Club member.)

NEW ADDRESS

Gentlemen:

Please change the address of Dr. S. H. Jaros from

211 N. 129th Street
Omaha, Nebraska 68154

to:

Dr. S. H. Jaros
Post Office Box 912 D.T.S.
Omaha, Nebraska 68101

(Editor's Note. Would you believe, this is a card from a third Club member this month.)

OCTOBER MEETING

By Bob Lockwood, WAØDHU

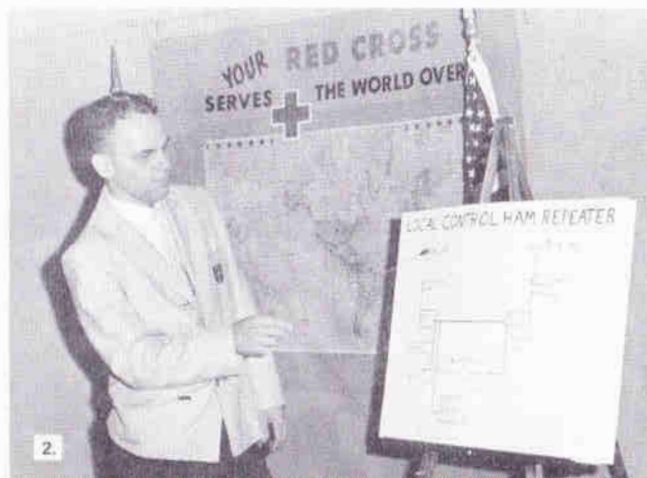
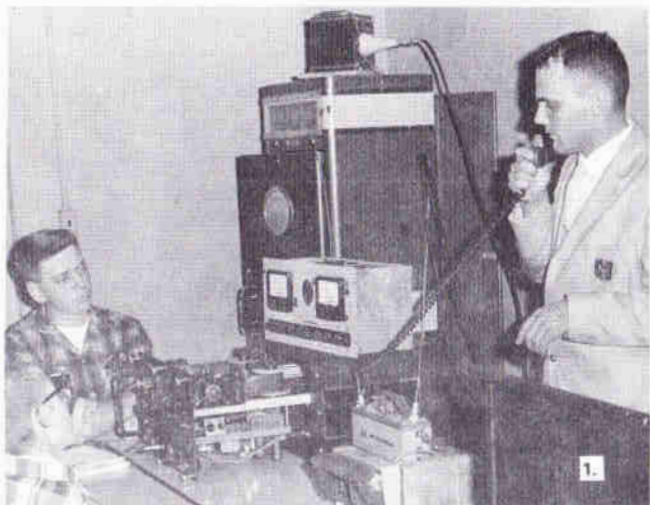
The October meeting was held on Friday, the 11th, at the Red Cross Chapter House, 39th and Dewey. We had a nice group of around forty attend this meeting.

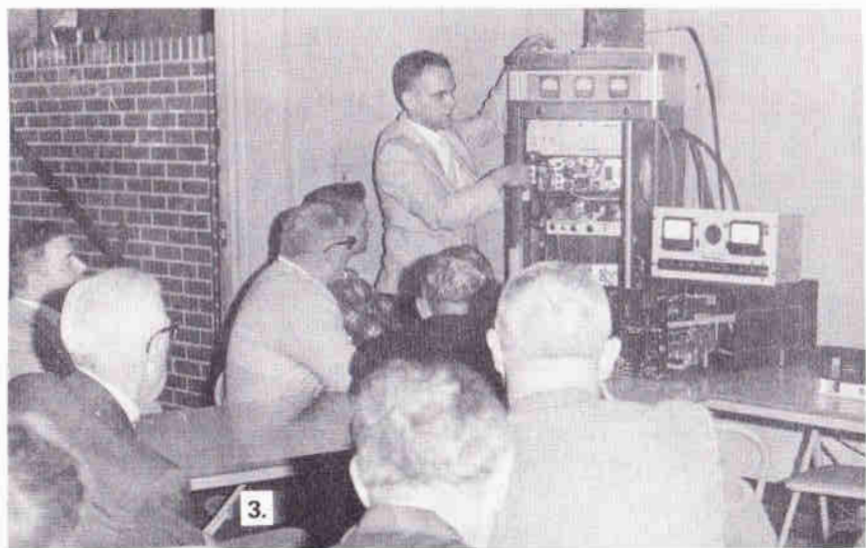
To start things off, another new member was voted into our Club. He is Jim McShane, WAØLHC. Welcome to our Club, Jim!

The program was on the Tulsa Repeater and consisted of slides with a tape documentary. It gave us an idea

of what a Club can do in setting up a good repeater system in a community.

Following the presentation of the Tulsa Repeater story, our own newly acquired two meter repeater was brought to the meeting and was demonstrated (picture 1). Jim Droege, WØYCP, Chairman of our Repeater Committee (picture 2), gave an excellent talk on the function of the repeater together with an explanation of the block diagram of the system.

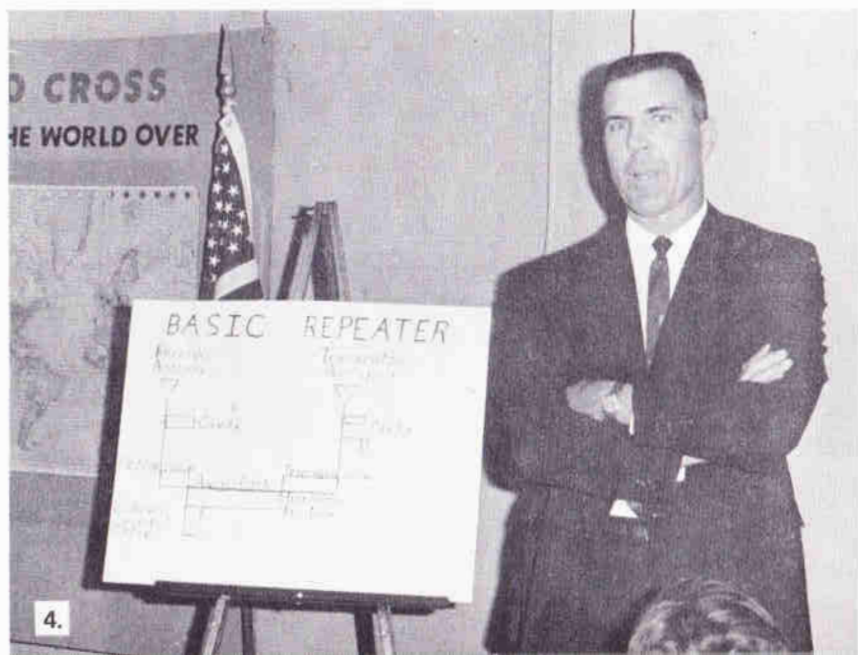


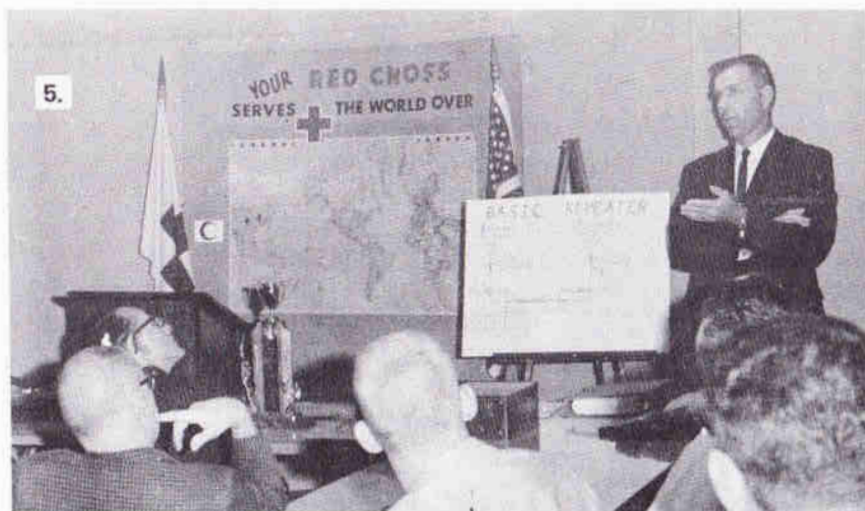


This was followed by an actual demonstration of the repeater in operation (picture 3). Nice job, Jim!

We were honored to have present at this meeting Bob Atkeisson, WØAT, (picture 4) who is an FCC examiner. He conducted a question and answer

session on rules and regulations and also discussed the upcoming frequency allocations for incentive licensing (picture 5). This session was very informative and enjoyed all all. Thank you, Bob, for giving our meeting a big boost! (See picture 6).





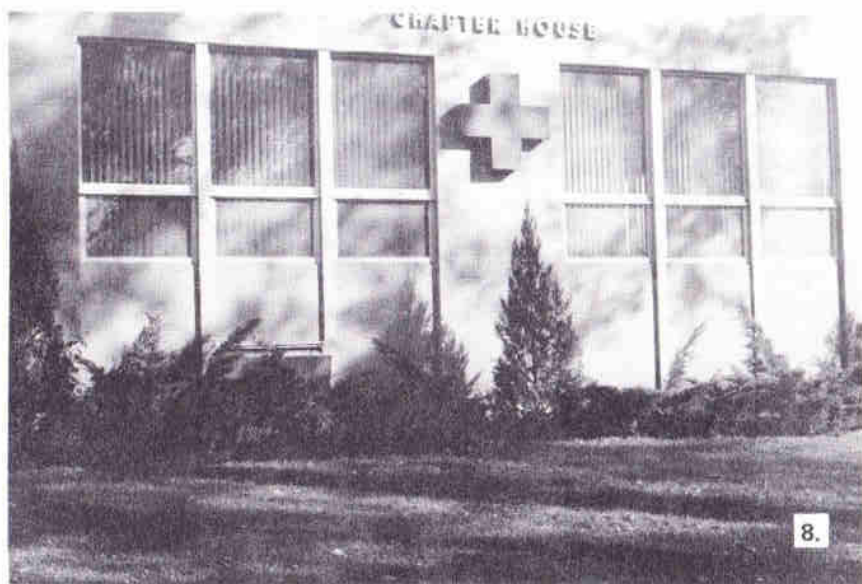
During our discussion of old and new business, Erv Heinz, WAØEEM, explained that the "Preparation for the Amateur Radio General License" course, scheduled to begin October 9th at the University of Nebraska at

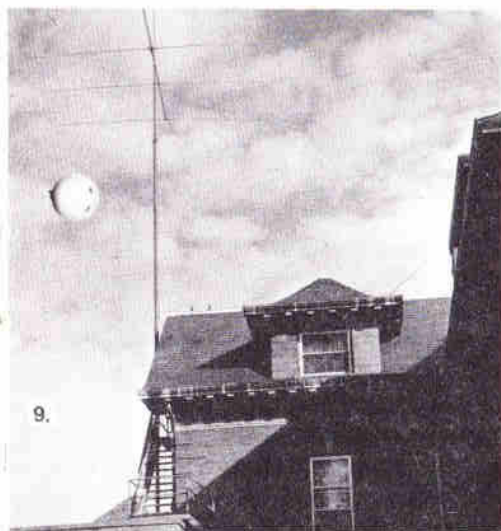
Omaha, was cancelled because of lack of attendance. It was suggested that perhaps the Club might take on this project. The response was gratifying as many volunteered to donate their time to teach classes. More info later.

Mr. Ak-Sar-Ben for the October meeting was Past President Erv Heinz, WAØEEM. The third person to shake his hand was Jim Anderson, KØDNE. Congratulations, Jim! (picture 7).



The Ak-Sar-Ben Radio Club extends sincere gratitude to the American Red Cross for granting us permission to hold monthly meetings at the Chapter House (picture 8). We are also grateful to the Red Cross for allowing us to install our two meter repeater station in their building (picture 9). Being able to hold monthly meetings and to have our repeater station at the Red Cross is ideal, as one of the purposes of our repeater station is to provide a well-organized radio link for the Omaha area and the territory immediately adjacent thereto. One of the aims in this entire setup is to provide emergency communications for any disaster in this area and the repeater station will add to the existing capabilities now provided by the Red Cross Station, WØCQX. Thus the Red Cross will be provided with 6 meter capability and 2 meter FM capability on a regular basis, and 2 meter AM can be pressed into service





if needed. WØCQX is also capable of handling high frequency communications for a wider coverage. Before long all of this gear will be capable of operation with use of emergency power.

Thus with a little more organization and training we will be in a position to supply emergency communications under many adverse conditions. We, the members of the Ak-Sar-Ben Radio Club, Inc., sincerely thank the Red Cross for giving us the opportunity to serve our community in a more effective manner.

After adjournment, coffee and rolls were served.

NOTES FROM THE BOARD

By Bob Lockwood, WAØDHU

The Board of Trustees of the Ak-Sar-Ben Radio Club, Inc. met at the home of Chuck Michel, KØQVL, on Tuesday, October 22nd, at 8:00 P.M. Following is a brief rundown of the topics discussed.

Report from the Program Committee indicated the Christmas program is virtually set as far as planning is concerned. More on this later.

Plans for the November meeting appear elsewhere in this issue.

The January 1969 meeting is in the planning stage in an effort to get the upcoming Board off to a good start.

Jim Droege, WØYCP, gave an excellent report on the repeater station and the installation. See write-up elsewhere in this issue.

Plans were discussed for code and theory class as suggested at the last meeting. A committee was organized

and will hold a meeting at the home of Bob Lockwood, WAØDHU. Full plans for the code and theory class will be announced at the next meeting.

Comments from individual members are welcome and your Board members will appreciate receiving them.

CONGRATULATIONS TO WAØKIL!

Royce Johnson, WAØKIL, passed his general class exam this October. After months of hard work, Royce gained success.

One gets out of ham radio exactly what one puts into it. Royce is a shining example of one who has put a lot into his hobby and now stands to reap the harvest.

Congratulations, Royce, for a job well done!

Bob Lockwood, WAØDHU

Official Bulletin No. 189 concerns election of Directors and Vice Directors in Divisions other than Midwest.

**OFFICIAL BULLETIN NR 189
FROM ARRL HEADQUARTERS
NEWINGTON CONN
SEPT 28 1968 TO ALL RADIO
AMATEURS BT**

The ARRL Executive Committee met today to examine nominating petitions filed by members for League Directors and Vice Directors. By reason of nomination of but one eligible candidate the following were declared elected, the New England

Division Director Robert York Chapman W1QV and the Roanoke Division Director Victor C. Clark W4KFC. Also declared elected were Hudson Division Vice Director Stanley Zak K2SJO and Roanoke Division Vice Director L. Phil Wicker W4AC. Wherever the Committee found valid petitions naming more than a single candidate for these offices and the candidates meeting the requirements as to age, League Membership and freedom from any commercial radio connection, ballots were ordered mailed to full members concerning covered contested offices. Such candidates by Divisions are as follows:

Central for Director,
Central for Vice Director,
Hudson for Director,
New England for Vice Director,
Northwestern for Director,

Northwestern for Vice Director,

Rocky Mt. for Director,
Rocky Mt. for Vice Director,
Southwestern for Director,
Southwestern for Vice Director,
West Gulf for Director,
West Gulf for Vice Director,

Erwood K9AAU, Haller W9HPG.
Metzger W9PRN, Pokorny W9NRP.
Dannals W2TUK, Lawson W2PV.
Green W1EAE, Rogers W1DFS.
Munkres W7HAZ, Thurston W7PGY,
Watson, W7BQ.
Bennett W7QLE, Roberts W7CPY,
Van Dyke K7CTP.
Council KØATZ, Smith WØBWJ.
Banks W5HJ, Sampson W7OCX.
Griggs W6KW, Meyers W6MLZ.
Dahlman W6UEI, Stilwell W6NJU.
Albright W5EYB, Bryan W5IQ.
Adair W5FKE, Harbin W5BNG,
Hjerpe W5FCD.

As soon as ballot returns have been counted in late November, results of

all these elections will be given in a further bulletin from this station AR

ADDITION TO ROSTER

James E. McShane, WAØLHC
2436 Fontenelle Blvd.
Omaha, Nebraska
Phone: 553-0957

October 14, 1968

Ak-Sar-Ben Radio Club, Inc.
P. O. Box 291 Downtown Station
Omaha, Nebraska 68101

October 6th, WAØCBJ, Ed Stitt & XYL Arlene, hosted the Annual Dundy County Amateur Radio Operator Watermelon Feed in the Benkelman City Park.

Twenty-one Amateurs, and families, and other guests answered Ed's invitation to celebrate his bountiful crop of melons, forty-six guests in all were present.

Some two-meter mobile work was demonstrated by Ben, WØOMN of Wray, Colo., WØVMT, Ted of Ogallala, Nebr., and Dayton, WØVEA of North Platte, Nebr.

Amateurs from Kansas, Colorado, and Nebraska attended; the youngest Ham was 12-year-old Mark Oman, WAØRBR of Haxtun, Colo. The oldest Novice was Mrs. Myrtle Laird, WNØTTS, (71) of Hayes Center, Nebraska.

Ed promises that he will again invite all within range of his rig to come to Benkelman next year, if he gets another bumper crop of watermelons.

73,
Dayton L. Phifer, WØVEA
East Tryon Route
North Platte, Nebr. 69101



Ed Stitt, WAØCBJ XYL Arlene



AN ANTENNA RAISING PARTY — AND HOW!

By—Jim Droege, WØYCP
Repeater Chairman

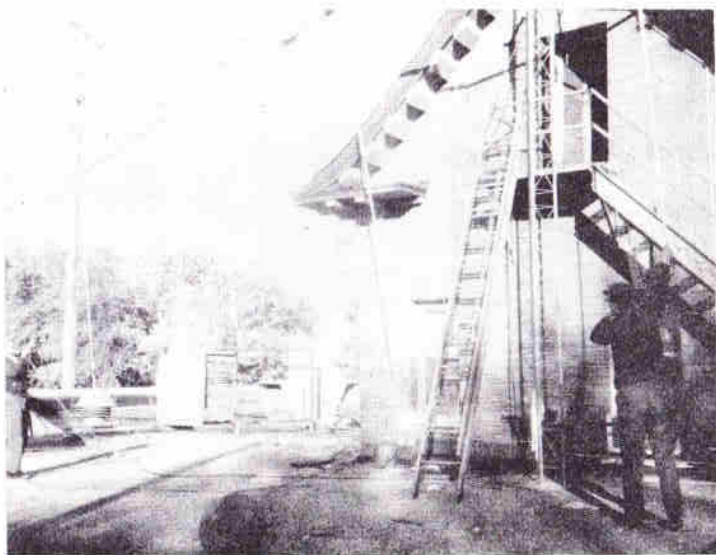
It started the week of October 14th, on a Tuesday night, when Harold McClenahan, WAØDGA, Bob Lockwood, WAØDHU, and I loaded some tower sections and proceeded to the Red Cross Chapter House at 39th and Dewey. We surveyed the situation and then placed the tower sections on the roof for the big job the following Saturday.

On Saturday at 10:00 A.M., Royce Johnson, WAØKIL, and I arrived at the Chapter House, surveyed the situation a little further, and decided the best thing would be to go home — but we didn't. We proceeded to take down an existing four-inch, 40-foot high pipe with the big beam, used by Hugh Tinley for the Vietnam hop. I

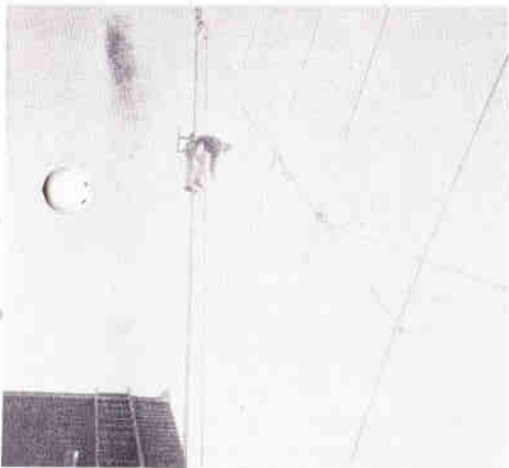
think the name of the man who put the pipe was Rube Goldberg; however, with some grunting and puffing and with the aid of more help from Fred Fischer, WØEGP, we managed to get the thing down.

Next, the holes through the walls for the support anchors for the guy lines were started. After one or two miscalculations of hole drilling, the anchors were well on their way. Sometime in between this more help arrived — Charlie Michel, KØQVL, Bob Lockwood, WAØDHU and Harold McClenahan, WAØDGA. Erv Heinz, WAØEEM, came, took two pictures, and left!

The tower itself started up as 30 feet was erected at one pass and the

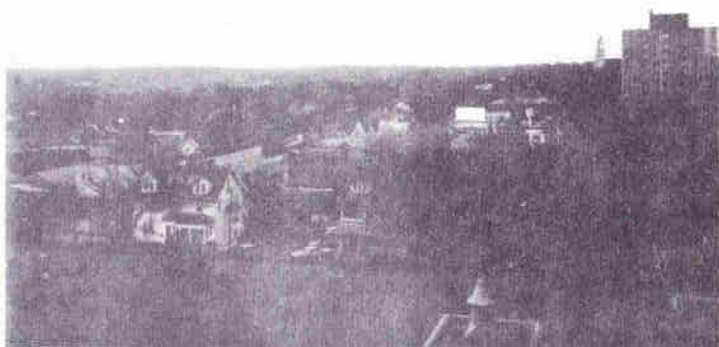


Bottom section of tower



Replacing Vietnam Beam

job of anchoring the tower to the fire escape and to the building proceeded. Then the first set of guy lines went on, and the last three sections of the tower went up. It was getting late, but you know most Hams – the antenna and two of the top guys were installed before the decision was made to continue the project on Sunday. Incidentally, we



North

2 views taken from top of tower – one North, one East



also had a couple of short visits and helping hand from Cecil DeWitt, WØRMB.

On Sunday the last top guys were installed, the coax run to the antenna, and a 1-watt handie talkie hooked up to the antenna for a trial run. A quick call got response from K4STE/Ø mobile. The signal was scratchy, which was a low blow, until we found out he was at Two Rivers which is about 30 miles west of the site. Not bad for a 1-watt unit!

Next step was to reinstall the Vietnam antenna. Those at the Chapter House on Sunday were Charlie Michel, KØQVL, Fred Fischer, WØEGP, Harold McClenahan, WAØDGA, Kathleen Droege, WAØUXE, and me.

The two Hams who didn't have sense to go home were Harold, WAØDGA, and me. We decided that since the antenna system was in, the next step was a trip to my QTH to get the repeater. Half tired and hungry, we loaded the unit and took the repeater up the long steps at the Red Cross. The transmit antenna was then lashed temporarily to the fire escape, a temporary coax run to it, and several contacts were then made. One contact was to WAØKDE in Hiawatha, Kansas. A mobile in town several days later indicated the station was heard in Kansas City and St. Joseph, Missouri.

We have applied for a remote control license, and with luck it will be here in three months. In the meantime, a telephone line to my QTH will allow the repeater to operate, temporarily transmitting from my location.

Waiting to hear more of the gang on

2.

OFFICIAL BULLETIN NR 190 FROM ARRL HEADQUARTERS NEWINGTON CONN OCT 10 1968 TO ALL RADIO AMATEURS BT

Concurrent with the October shift to standard time throughout the country, W1AW will adopt new code practice and bulletin frequencies. The new channels will be easy to remember at 20 kiloHertz above the lower band or segment edge. Effective October 27, W1AW code practice and code bulletins will take place on 1820 3520 7020 14020 21020 28020 50020 and 144120 kiloHertz. W1AW voice bulletins will be transmitted on 1820 3820 7220 14220 21270 28520 50120 and 144120 kiloHertz. Regular contacts will continue to take place on current W1AW frequencies. Full details on the change will appear in November QST AR

WHAT AN OIL CHANGE

"My advice sir," said the mechanic to the car owner, "is that you keep the oil and change the car."

NEWS NOTES

Nice to have Erv Heniz, WAØEEM, back with us at the last Board meeting and to know he has recovered from his recent hospitalization.

Our good wishes go to Virginia Johnson, WAØNCO, for a speedy recovery from her recent surgery.

OFFICIAL BULLETIN NR 191
FROM ARRL HEADQUARTERS
NEWINGTON CONN
OCT 17 1968 TO ALL RADIO
AMATEURS BT

5/Oct. 1968

Circulation Manager:

While working SVØWM today, the subject of Ham Hum came up and since he is an Ex WØ (O'Neil, Nebr. & Colorado) I told him I would ask you to add him to your mail list. I see he has an "APO" address so the postage shouldn't be prohibitive! He is anxious to work WØ's which, as I know, is a welcome relief in getting thru the east coast "curtain." He has an excellent signal on 10 with a big linear on 28,550±. In case you don't have a call book handy his address is:

Robt. L. LaRue, Sr., SVØWM
American Consulate, Thessalonica
A.P.O. New York, 09693, USA.

I'm mailing him a recent copy. Tnx.

Tom Fifer, K8BKF

(Ed. Note: We have added him to the mailing list, Tom, in time for this issue. Thanks, and it's nice to hear from you again.)

ARRL has filed comments with FCC supporting Operation Retread Docket 18266 which would make former amateurs eligible for Novice after a year off the air. The League asks that current Technicians also be eligible for the privilege if they have not held a Novice license in the twelve months preceding application. Another ARRL filing, RM 1352 asks FCC to keep the whole six meter band open to all licensees, Technician Class and higher, contrary to the FCC present plan restricting 100 kHz to Advanced and Extra November 22 1968 and 250 kHz to these licensees November 22 1969. Other information will appear in November QST AR

Work is the world's greatest blessing. Don't kick a blessing in the teeth.

WØVLI

OFFICIAL BULLETIN NR 192 FROM ARRL HEADQUARTERS
NEWINGTON CONN OCT 24 1968 TO ALL RADIO AMATEURS BT

Canada announces the conclusion of a reciprocal operating agreement with Nicaragua, supplementing the list appearing on page 91 of October QST. Additionally, the United States has concluded a reciprocal operating agreement with the Republic of Ireland. Amateurs of one country

visiting or residing in the other may obtain permission to operate their own amateur stations there. This new United States agreement with Ireland, along with the Barbados and Surinam, adds to the the QST listing noted above AR

"RF" COLUMN

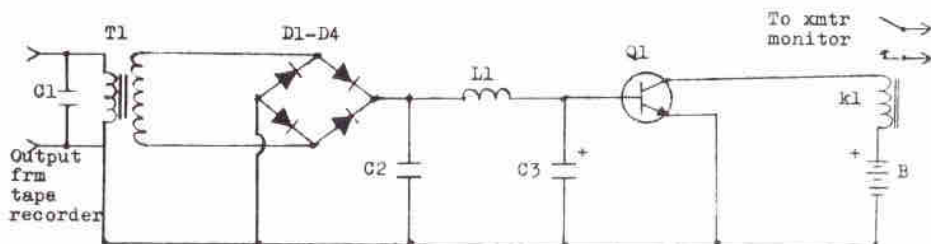
de Orange County Amateur Radio Club

Below, you will find described, a TAPE RECORDER DECODER, submitted to "RF" by our own Randy Hoffman, WB6WQN:

(How abt some of you homebrew addicts submitting some more techni-

cal articles for "RF"??! Pse remember to make drawings with BLACK ink... draw lines dark with a No. 2 pencil. Please present explanations type-written if possible.) Tnx, Randy!

TAPE RECORDER DECODER



Q1— For maximum sensitivity, a high gain transistor such as a 2N447A (gain of 200) shud be used. But any transistor of reasonable gain is OK. (2N338, 2N3641, 2N3843, etc.). A PNP transistor can be used as easily by reversing polarity at battery and C3. (2N1307, 2N404, 2N408, 2N1025 — gain of 100, costs .60¢), etc. Not critical.

C1— .001 to .005 rf bypass (mf or mmf?)

C2— .1 to .25 disc ceramic, mylar, electrolytic — at least 6V breakdown voltage.

L1— .5 Henry choke (toroid is best becuz of small size, low losses), value is not critical and can be replaced with a 68 to 100 ohm resistor, though performance is degraded slightly when demodulating low frequencies.

C3— 1 mf to 2 mf electrolytic or other capacitor — breakdown voltage at least 3 volts.

T1— Miniature transistor audio output transformer, primary 8 ohms (to match tape recorder output); secondary 500 to 1000 ohms.

D1-D4— 1N34s or equivalent. Just about any small signal germanium diode will work.

K1— Reed relay — 3 to 6 volt coil. A 10 watt reed relay with coil can be bought at Lafayette Radio in Buena Park for \$2, or a range of relays, with and without coils can be obtained R.V. Weatherford in Anaheim.

B Battery— 3 to 6V.

The tape recorder decoder can be very useful and is easy to duplicate. It converts an audio signal to D.C. to key a relay. Code can be recorded on a

tape recorder, then played back through the decoder thus keying a transmitter, monitor or both. Works just dandy for a "CQ" tape or a "CQ Field Day" tape. CW can also be recorded from a receiver and played back keying your transmitter, letting a fellow amateur hear his own fist! A delayed test transmission with a timer can also be arranged, allowing you to check signal quality from a friend's shack.

None of the part values are critical. The volume control setting on playback and record will have to be adjusted to obtain the best results. Playback volume should be as low as possible to prevent background noise from causing odd clicks, or overloading from causing mushy characters.

H. SALT, esq.
Authentic English
Fish & Chips

D. A. Hollander
5956 Westminster Ave.
Westminster, Calif. 92683

13 Oct. 68

Hi Gang:

Come out to So. Calif. for an eyeball QSO and enjoy a dinner of Fish & Chips on W6COJ. Went into this venture 3 months ago and have plenty of time for hamming in the A.M. and late P.M. hours. Enjoy the Ham Hum very much. Greetings from the Orange County Radio Club.

Dave Hollander, W6COJ
EX-WØCJW

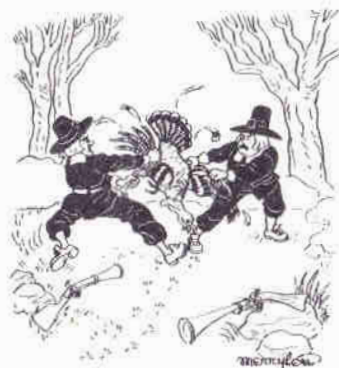
IT HAPPENED IN NOVEMBER

Nov. 1, 1913— One of football's great games took place at West Point. A virtually unknown Notre Dame team whipped Army, 35-13. (The game not only brought Notre Dame and its team captain, Knute Rockne, to the attention of the sports world, but it dramatized a new play called the "forward pass.")

Nov. 13, 1927— The Holland Tunnel, running under the Hudson River between New York City and Jersey City, N. J. was opened to public traffic after seven years of construction.

Nov. 18, 1883— The United States adopted standard time, the nation henceforth to be divided into the four zones designated as Eastern, Central Mountain and Pacific.

SERVICE



"Says Thee! Says Thou!"

A man pays a luxury tax on his billfold, an income tax on the stuff he puts in it, and a sales tax whenever he takes anything out.

SERVICE

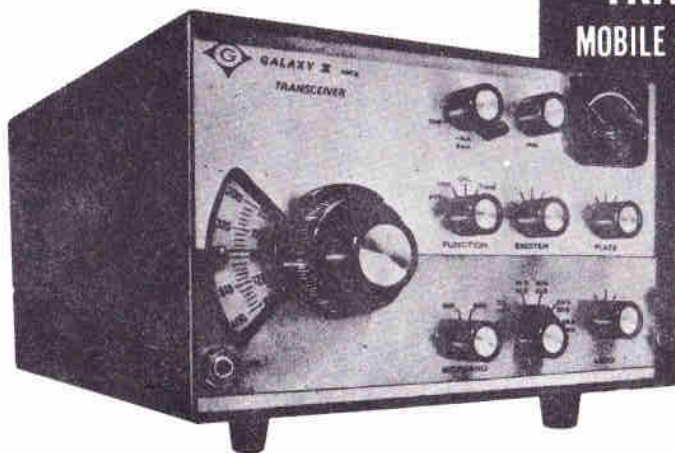
THE RECEIVER MAKES THE BIG DIFFERENCE!

Selectivity-

SHARP AS A RAZOR
IN CUTTING OUT INTERFERENCE!

Sensitivity-

PICKS UP EVEN
THE WEAKEST SIGNALS!



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