



HAM HUB

AK-SAR-BEN
RADIO CLUB

WØEQU

DECEMBER, 1953

P. O. Box 626

Omaha, Nebraska

VOL. III NO. 12

Season's Greetings



PREVIEW OF NEXT CLUB MEETING

As you might guess the next club meeting will be the Christmas meeting for our club. It will be held as usual at the Fontenelle but from there on nothing will be usual about it!!

There will be surprises and prizes galore. Look at this--

1. Who is "Mr. AR-SAR-BEN Radio Club"
2. Remember a free door prize which is a Simpson Multimeter. This is provided by your raffle fund that was accumulated thru the year. There might be enough for a second prize too!!
3. It hasn't been confirmed but it looks like Santa Claus will be there.
4. The business of the meeting will be election of officers for 1954.

"Mr. AK-SAR-BEN RADIO CLUB" will be a member of your club and the first member attending, that shakes his hand, will

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DEEP SILENCE GRIPS: NOVEMBER MEETING

Many a furrowed brow and studied expression was observed as a well put lecture was delivered by Frank Cooper on the Grid Dipper, Antenna Scope and the operation of those units. Joining in were Herb Curry and All McMillan on the subject of Pi Networks.

Several others aided with the discussions to an extent that really exemplified audience participation. It was very stimulating to see such attentiveness as displayed by the sizeable group that attended our last meeting. The question and answer period kept the speakers going until around 11PM!!!

Attend your club meetings and better yourself with these fine talks--we'll have more of them. Our thanks to Cooper, Curry and McMillan for a fine evening.

After the talks, coffee and donuts and good old rag chewing took over for the balance of the meeting. Any suggestions you might have for future technical talks will be appreciated. If you want to have the latest dope on any subject, let us know--we probably have an authority on the subject in the club to help you on it. Be at the next meeting.

LAST MEETING
OF THE YEAR

NEXT MEETING
December 11, 1953
Friday 8:00 P.M.
Fontenelle Hotel

MONKEY CHATTER

By L. Caccamo
WØNMN

PSST - SHH - Keep this on the QT - all ye Single Side Band boys and others interested! I just found out where you can get a complete "SSB Package". Free for nothing! If you send a card to "Lighthouse Larry", Tube Department, Electronics Division, General Electric Company, Schenectady 5, N. Y., he will send you gratis the complete set of HAM NEWS editions covering SSB Jr., Signal Slicer, Lazy Linear, Power Speaker, etc. So get that card out today and get into the swim. Your reporter sent a card to Lighthouse Larry as a feeler to see if the coast was clear and was pleasantly surprised with the returns. Incidentally HAM NEWS (not related to HAM HUM) is available free of charge every two months at your General Electric dealer. (This is not a commercial - No remuneration of any kind was expressed or implied). A bonanza of information is obtained from this publication. So see your GE dealer today. If you are unable to obtain a copy locally at your QTH, contact KØWBF any day on the noon net or by card, and details will be ironed out for your copy. No charge for this service.

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We have mentioned before in this paper an idea similar to this one, but have never been very near to making it a reality. But now we expect to have it ready in a month or two. What is it? Well, you might name it a Call Book of Nebraska Amateurs. We hope it will contain a listing by Calls, another by towns, and in the larger towns by names. What do you think of the idea? Would you want one if we could get it out for 50¢? Let us know on the post card.

2,000 MILLIMETERS AND DOWN

By Herb Curry
WØQXR

Well, I am not surprised but I am disappointed that HAM HUM has not received one VHF card or letter yet. However, it takes more than no answer to a CQ to discourage a good VHF man. Which brings me to the subject for the month: "DX versus Rag Chewing on 144 megacycles".

It is my contention that in order to develop a band there must be activity. Lots of activity, local or otherwise, there must be activity. And to have activity, there must be signals on that band all the time. Just listening for DX will not get DX. Arranging schedules will not determine skip nor contribute greatly to the determination of long or short distance propagation conditions. We must have activity. Good old friendly rag chewing will give us activity that will lead to a definite knowledge of times when the band is open.

Now how are we all going to accomplish this? Well, this little letter each month, and others like it, and the help of all interested amateurs will sell other amateurs on the fact that - truly enough "the realms of the unknown exist at these frequencies". We know that there is room for two hundred duplex circuits to be established all at the same time and without interference one to the other. Can you imagine four hundred hams all talking at the same time in an area the size of Omaha and no one interfering with the other? And with broadcast quality too? ---Ten kilocycle channels all! To prove this, 148 megacycles minus 144 megacycles equals 4 megacycles or 4000 kilocycles. 4000 kilocycles divided by 10 kilocycles per channel equals 400 each 10 kilocycles broadcast channels.

You say "Yes, but it can't be done." Who is going to tell 250 amateurs of Omaha or 900 amateurs of the State of Nebraska this cannot be done? All we need to do is to work to improve our
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JUMPING JALOPIES

Heard from the boys down at the corner gas station that they had to give old Ed's older jalopy a push on that last cold morning. Ed tells us that he was working a few locals the night before on his way home from the lodge meeting and left his filaments on all night. Ed now swears by the trick of wiring his filament circuit through the ignition switch.

Some of the small trickle chargers on the market, for a reasonable fee, are just the ticket for keeping the battery in top shape, mobile or not.

From way out in Imperial WØMYH writes to mention the problem of voltage regulator noise present in most mobile installations. He recommends the installation of shielded wire from the voltage regulator to the generator and also grounding of the VR cover.

Soon after the first of the year I will have a ten meter monitor in operation on 29,640 KC. The monitor will contain a squelch and be operated 24 hours a day for the convenience of our local mobiles. We hope to re-enlist the aid of LGN in maintaining a twenty four hour watch.

The monitor under construction is a modified SCR 522. The 522 receiver does not perform well on two meters and is very applicable to monitor duty due to it's wide IF's. Any one having a 522 in any state of disrepair and not being used and who would like to see the gear get into some good service please contact PHW.

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FOR SALE

One each seven foot Motorola Rack, streamlined, encl., meter panel and base. New \$250. Sell \$100 or trade.

One each Elmac Mobile receiver, with a 6 volt power supply. Will not fit my new car. \$120
Frank Shopen, WØWQE, 4466 Bedford Ave.
Omaha, Nebraska.

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LISTENING POST

by Lawrence Cacomo, WØNMN

There are bird watchers, plane spotters, weather observers, etc. Omaha has it's own listening post. KØWBF has volunteered it's services in maintaining a constant watch on 3983 KC daily, Monday thru Friday between the hours 8 AM and 4:30 PM. So don't forget, we'll be listening for "CQ Omaha". Do we have any stations out of Omaha who wish to volunteer for a little time? We don't mean that you will have to sit in front of your rig all the time. With the winter months coming on the need will be greater for communications. Water, snow, sleet and ice is a detriment to landline communications. Amateur radio will again prove it's worth. So let's get with it fellows.

NEBRASKA NOON NET OPERATIONS

Net control station, WØVYX has compiled some data regarding amateur radio station reporting into the Nebraska noon traffic net. Status of actively reporting stations as follows:

Total stations on roll call	82
Daily average station reporting	41
Sunday and Wednesday*	41
Thursday and Saturday*	42
Friday*	41
Monday and Tuesday*	38

*Average of Actively reporting stations

Compliment of stations includes Nebraska, Iowa, South Dakota and Kansas. There are no regularly reporting Colorado stations. Any Colorado stations interested? Net activities are picking up slowly. Lack of reporting stations during the summer sessions attributed probably to the fact that many of our active members are engaged in full time seasonal occupations such as farming and live stock activities. Hope we will be hearing from more of you boys (and girls) during the winter season.

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NEW STATIONS ON NOON NET

We have a few new members reporting into the noon net as follows:

WØRRH & WØCTQ, Marysville, Kansas
WØPPT, Pawnee City, Nebraska
WØLGT, Grand Island, Nebraska
WØNHS, Deweese, Nebraska

SIX THOUSAND WATTS OUTPUT

As most of you know the ARC has two Onan powered three KW AC generators mounted on a trailer. Unit number one is mounted permanently on the trailer, unit number two is removable and designed to be used at a second location. The trailer also mounts the club's forty foot masts, guy wire and metal stakes. On the trailer, both units are started by push button from two six volt batteries, which are charged during operation.

The generators were used at field day and at the Linoma Picnic. The trailer was also present at the Lincoln Convention.

At the present time the trailer is at PHW's QTH for modification. The modification's now in progress are as follows: installing a battery rack, running battery cable to the rear unit, installing a tee in the gas line, water-proofing the roof and re-enforcing the floor under the front unit.

We are in the market for a 12 volt battery. If some club member is driving a 12 volt car and is planning to purchase a new battery we certainly could use his old battery.

As a matter of general information, the Suburban Radio Club of St. Louis is in the market for generators similar to ours. Our club is endeavoring to assist them. If any reader has knowledge of a plant lying idle please forward full information, size, condition, price and location to P.O. Box 626. We heartily endorse any project for emergency power.

Of all the communities in the mid-west there are probably less than ten percent provided with emergency power for their emergency communication equipment, except for mobile equipment. Comes a storm, flood or other emergency, what will be our communication? How will we call for help and direct help with out power? With the advent of good REA power there are many small power plants in this area and they can be well used by the Hams.

HAMS IN A FOG

Thursday, November 12, a Drive-In movie was viewed by WØ's CWL Steve, LGN Roy, DNZ Matt, KGA Jeff and W3WJZ. The movie was enjoyed until a fog, almost as bad as the QRM on 75 at 1700, set in. The merits of Art's new 75A-3 were discussed along with antennas etc. Saturday Steve, Art and Matt were seen at Jeff's QTH stringing up a new antenna.

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FOR SALE

Have many issues of QST and CQ for a beginner or novice.
WØJCK, 2621 F St. Omaha OR 1975

Viking II Transmitter and VFO.
Brand New, Wired, used only for testing. \$325

Transformer, dual winding 1000-0-1000 @ 200ma.; 750-0-750 @ 150ma. \$5

Homemade speech amplifier and modulator (811's), rack mounting. \$25
S. Nelson, WØELH, room 39, 1624 Cuming
WE 6468- 5:15 to 6:30 PM.

WANTED

Second hand Chandler Code System
Tom Fifer, WØAQJ, 6704 No. 31 Ave.
Omaha, Nebr. KE 2328

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HERE AND THERE

WØASI reports from Halsey, Nebr., that he is SSB mobile and is running a kw to a 304TH....also WØBDO has a new 810 kw final....Joe is still listening on 2,000 millimeters but not hearingbe patient, Joe, the boys are on their way.

Bruce, WØIRW, reports he has no toll phone to seven towns: - Holdredge, Atlanta, Loomis, Bertrand, Axtell, Wilcox, and Funk.

INTERNATIONAL NEWS

An article from the Jerusalem Post Oct. 9, 1953 relates the story of amateur radio in one of the smallest and almost the youngest country in the world, Israel.

The article, written by Amos Ben Veren recaped the average amateur and his station, which incidentally is very similar to any American station. The need for amateur radio during floods and earth quakes is felt there as it is here. To encourage the art of amateur radio, all radio parts are free from customs duty and luxury tax. In Tel-Aviv the municipality has provided the hams with a club room.

Amos writes that of the approximately 50 hams in his country the vocations vary from house agent, police officer, infantry private to engineer.

The license requirements are quite stiff and we wonder how many American hams could comply? Each applicant for license must build his own transmitter. A nominal fee of IL.3 is paid and an examination covering code and radio theory must be passed.

We pass along our 73's to this small band of hams in this far off country.

OFFICIAL BULLETIN NR 424 FROM ARRL HEADQUARTERS WEST HARTFORD CONN. NOV. 27, 1953 TO ALL RADIO AMATEURS BT

You are cordially invited to take part in the Third ARRL Novice Roundup January 9 through 24. The contest is open to all radio amateurs in the 73 ARRL sections with a certificate award presented to the highest scoring Novice in each section. Complete rules appear on page 44 of December QST. Send a postal or radiogram to ARRL Headquarters giving the call of the station from which you copied this message and you will receive gratis convenient report forms for the Novice Roundup AR.

WELL DONE IOS

A very fine example of the operation of amateur radio was recently demonstrated by Frank Cooper to his XYL's sorority. The girls held a sorority meeting at the IOS QTH and Frank was asked to explain Ham radio.

A little listening on twenty resulted in contacting a KH6. After the contact was made the girls were invited into the ham shack, all 34 of them. They heard the voice from the speaker and they talked into the microphone, but alas, there were non-believers. In the group there were four girls who had lived, at one time, in Hawaii. The KH6 volunteered to make a phone call, a girl offered the name of a Uncle, the KH6 knew him and dialed the number.

The Uncle was not present in his office, according to the secretary. But in the office was the girl's father, they had not seen each other in 19 years. They had a very pleasant QSO, conditions were good to them and the contact lasted for about one hour. Frank reports that all dis-belief disappeared.

Later IOS made a pre-arranged contact with mobile PHW. To prove that it was a mobile station a girl gave the name and address of her husband and the mobile went visiting. The OM was taken by surprise, roused from his warm chair at home, he braved the cold night air to step out side and see a friend. (Incidentally it just so happened that PHW and this OM went to school together). Out side and in the car a microphone was thrust into his hand. He said Hello. In return he heard his wife's voice, and they passed back and forth a few comments to the surprise of each.

Very good demonstration, Frank, this type of demonstration provides ambassador's of good will for amateur radio.

FOR SALE

HT-9 coils, all bands. RME-45 both for \$250.

WQTH, 300 West 2, North Platte, Neb

2,000 MILLIMETERS (Cont.)

equipment and it can be accomplished.

To prove that we have faith in the amateur let us state here that by March of 1954 we expect to have in operation a simplex teletype circuit on 144 megacycles band between North Platte, Nebraska, and Des Moines, Iowa. That means we are going to have to have some non-participating repeaters (at least for the present time) between North Platte and Grand Island, Grand Island and Lincoln, and Omaha and Des Moines. If we are able to establish this net all participants will - I think - have contributed to another amateur first, for as far as I am informed, no previous attempt has ever been made to complete a long circuit using amateur voluntary repeaters.

More about this next month. Some plans, etc. We would like to hear from anyone who would like to act as one of the repeater stations. Write W0QXR, 3844 Charles St., Omaha, Nebr.

Stations we know to be active on 144. W0IAY, W0BWK, W0VEC, W0EMS, W0GUD, W0PHW, W0QXR, W0JJK.

Let's make this list bigger next month!

NEXT MEETING (Cont.)

receive a very valuable prize. Only one man besides Mr. Ak-Sar-Ben will know his identity, so get there early and start shaking hands.

We've been QSOing Santa on 3 meters almost daily, and he promises to try to get to the meeting. If he does, there's no doubt that he'll bring a bundle of presents for everyone.

Probably the most important meeting of the year is the election meeting and this will be it. The future of your club depends to a large extent on the officers you choose to run it. So be sure to attend and vote in the man of your choice. The new nominating committee has selected a slate, but if you

HERE AND THERE (Cont.)

BEA, Ollie, reports the AK-SAR-BEN club constitution assisted the Home-steader Amateur Radio Club in organizing....

W0JHI has a new QTH in North Platte having moved recently from Scottsbluff. Orlo is running HT-9 on 75....

Rod, DQN, reports that the boys in Potter are hitting an occasional Ham Fest and reading HAM HUM for excitement....

Loren, W0RDN, reports that FQB, EUT, and LFM, are checking in from Omaha on TEN net most nites....

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NORTH PLATTE RADIO CLUB CURTAIL HALLOWEEN ROWDIES

Red, CBH, reports that one third of the North Platte hams are mobile. 12 out of 36 is terrific. The mobiles for the last two years have assisted the Police and Fire Departments. Congrats gang, we need more of this type of activity to prove our worth and to educate the public in the more practical points of Amateur Radio. Incidentally, you had better be careful when driving around North Platte..the boys there will be sporting deputy sheriff cards and are likely to take you in tow.

MEETING (Cont.)

want to nominate from the floor, be sure to have your nominations ready. Especially, Be sure to be present and vote.

ATTEND THE DECEMBER MEETING!!