

WØEQU

May 1958

P.O. 626

Omaha 1, Nebr.

Vol. VIII No. 4



May Meeting at Mutual of Omaha

SOUTH ENTRANCE LOBBY - 33 & FARNAM STS.

Ham Hum

HAM HUM is the official organ of the Ak-Sar-Ben Radio Club of Omaha, Nebraska, Mailed monthly to all members and to others upon request. News and information of interest to amateur radio is gladly Published by AK-SAR-BEN RADIO CLUB INC. Post Office Box 626 Omaha 1, Nebraska

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AK-SAR-BEN RADIO CLUB, INC.

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Ak-Sar-Ben Radio Club memberships are open to all persons having an interest in amateur radio and its activities. Dues are 50¢ per month or \$5.00 per year when paid in advance. Students rate is 25¢ per month or \$1,00.

per year. Initiation fee \$1,00.

Special rate for OM-XYL, \$6.50

payable annually. Meetings are
held on the second Friday of
each month.

MAY PROGRAM

For the May meeting we have been invited by Mutual of Canaha and United Benefit of the companion Companies, to visit their 705 IBM calculator installation. They have promised us a good demonstration.

Our own members, George Fox, WOAEM, and Wendy Larsen, WONPA, will be on hand to explain the intricacies of the so-called brain machines. These machines are the marvels of the business world so don't miss this opportunity to get a first hand peek as well as the full explanation of how they work.

After the demonstration the meeting will adjourn to the 4-H Building for the regular session and the balance of the program, as well as the refreshments and gab session as per usual. Here's another good program. Let's see if we can beat last month's attendance record. Due to the difference in meeting place we are again sending out the extra card to the Omaha members. Hope you received yours in time to not have anything interfere with this date - May 9th.



FROM THE WAIKIKI BEACH PRESS

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T V TELETHON

On May 24th and 25th there will be held a Television Telethon for the benefit of the multiple sclerosis drive. The amateurs have been asked to participate and the details are being worked out now. This drive will be held on a little different basis than usual in that we will work from a control station to the home stations rather than to mobiles. The Omaha Sports Car Association will do the picking up of the money and will report in to the various home stations located throughout the city to pick up the requests and work on a shuttle basis. The operation will probably be on all three bands, ten, six and two, in order to have full coverage and to make the most use of those with the desire to work. More information will be given out at the May 9th meeting during the business session following the demonstration.

FROM HERE TO OMAHA

Edgar F. Kistler, Omaha businessman, here with his wife for a vacation at the Reef hotel, shared his impressions of the islands by ham shortwave with 150 members of the Concord club meeting at an Omaha hotel Thursday.

Set up by ham operators of Honolulu and Omaha the conversation by shortwave between Kistler and the club president was a surprise item on the agenda. The last meeting was attended by 110 very interested persons. This represents probably a new high for a meeting other than our December meeting. We were fortunate in having Paul Hampton, WØJAP, of the FCC at the meeting and were able to discuss with him some of the problems of ham radio. His being here likewise means that we will have in a few weeks a lot of new general class tickets.

This was followed by a very interesting story told by Dick McCann of Radio Station KBON who has been an official observer on a number of special tests made by Uncle Sam. These tests are quite varied, both as to the type of test and location and have left him quite well informed as to some of the future happenings, particularly the realm of rockets and missiles. The particular test described was the setting off of the Cobalt bomb. Even though a lot of the information concerning these tests is classified, Mr. McCann was able to give us a very complete picture, not only of the bomb explosion itself but of the extensive preparations necessary to have conditions ideal for the purposes of the test. His very interesting narrative was followed by colored slides of the test which were not only beautiful but awe inspiring. After the lecture Mr. McCann was very kind in answering the individual questions the members right through the refreshment hour. Our thanks to Dick McCann of Station KBON.

OFFICIAL BULLETIN NR 650 FROM ARRL HEADQUARTERS WEST HARTFORD CONN APRIL 17 1958 TO ALL RADIO AMATEURS BT

Many parts of the United States will shift to Daylight Savings Time effective April 27, on which date all W1AW operation will change to Eastern Daylight Savings Time. Amateurs in areas remaining on Standard Time are reminded that WIAW Official and Special Bulletins, code practice transmissions, propagation forecasts and other announced ARRL Headquarters Station operating activities will have to be tuned in one hour earlier than usual. Further details and complete WIAW Summer schedule appear in May QST on page 100, except that the 160 meter frequency will change to 1820 kc AR

FIELD DAY 1958

Well fellows, that big event is rolling around again - Field ay 1958. The Date June 28-29. he Time 3PM Saturday to 3PM Sunday. The Place the Latenser Estates north of Omaha, You will remember the wonderful annual picnic we enjoyed there last fall. Mr. Latenser has kindly consented to let us use the area where we parked our cars, with the understanding we will conduct ourselves as gentlemen and leave the premises in applepie order. It is a wonderful location and indeed a privilege we will not abuse. For those who missed the picnic, drive north of Omaha on Highway 73 to County road 7 and turn right to the old Field Day sight, then left, following FD signs to the iron gate.

So shake the moths out of those bed rolls, break out that camping gear (no axes please) check on the liniment and gargle, first aid, etc. and get set to let the world know we're around.

Remember fellows, this is our big chance to show what we can do, not only to make a good showing, and rack up as many points for our club as we possibly can, absorb some good ean fresh air and wonderful exercise, renew old friendships; but to prove to ourselves and to our Country that we are ready and willing and able to provide emergency communications completely portable, should we ever be called upon to help in a disaster or to defend our country.

Again, as usual, we are in need of all sorts of equipment and help. Transmitters, receivers, antennas, relays, switches, coax, clocks, mikes, speakers, keys, bugs, manpower, advice, and all the numerous articles that go to make up a successful Field Day operation. So please phone, write, wire, or otherwise QSO your field day chairman of any and all equipment you are willing to let us use.

Needless to say, the ole coffee pot will be a boiling, a supply of soda pop will be provided, and facilities will be there for those who wish to burn their own groceries.

MEMBERS NON MEMBERS FRIENDS OF AMATEUR RADIO YA ALL COME.

Ed Donze

WANTED: C.E. 10B, - state price.

W1BOM John F. Abt 10 Richards Ave. Stamford, Conn.

PREJUDICE

For most of us, Amateur Radio is both an enjoyable and satisfying hobby. The ways in which we derive our satisfaction are extremely varied. Some of us are ardent CW men, some are SSB men. Others operate only RTTY or are devotees of AM. This is a good thing as variety is the spice of life. However, it is unfortunate that there are differences where there usually are prejudices also; it seems that Ham Radio is no exception.

Without respect for people of other lands and tongues, the world could not exist. Likewise, without the highest regard for our fellow Amateurs we can not continue to render valuable services. It is disturbing to hear one Ham admonish another merely because the second seeks satisfaction through a different mode of transmission. How monotonous it would be if we were all to conform. Think of the pandemonium if every Ham in the country were to operate the same band at the same time! Intolerance, and the desire to force other men to conform are signs of immaturity.

The VHF experimenter and the rag-chewer are equally valuable. The phone man and the CW man are as useful as the other. Let us not forget this. It is easier to be critical than to be correct, but remember that a wise man, like the moor always shows his bright side to the world.

de CQ NEWS

NEW EQUIPMENT

WRL says that they will have an adaptor to be used in the Globe Scout 680 for the 6 meter enthusiast. It will be a kit easily wired that will plug into the regular oscillator socket and provide an additional stage of RF so the drive to the final will be on 50 Mc., allowing the final to operate straight through, doubling the output power. An additional feature is that the harmonic content will also be reduced to give greater suppression for weak signal areas. The kit is expected to sell for about \$14.95 and be available in 30 days.

Bill, WØIGL, is on the move again. As many remember, Bill was a Ralston resident for many years and then was transfered to Grand Island. Now the boss says "Go South You Man" and so Bill is now pulling up stakes to be a Kansas City Kid (no relation to Larry). Bill

was cagey this time and poured his tower base so the top was about 3 inches below the surface of the yard and now he ill just dig down a bit and aut off the legs and cover up the slab so no one will know it was there. In respect to the future generations Bill put an inscription on the top of the slab should anyone uncover it. It says "NOW WHAT?"

One very amusing incident that caught our attention is just too good to pass. It concerns an Army hospital with many seriously wounded men and a General with a minor ailment. The General demanded too much special attention from the limited staff. One day a young GI put on a doctor's gown and mask and told the General he had to turn over and have his temperature taken, where upon the GI said he had to see emergency case and the General was not to remove the thermometer. About 15 minutes passed and a nurse came along and asked the General what was going on. The General replied, "any fool can see I'm having my temperature taken". Said the nurse, "With a DAFFO-L?". (STOLEN FROM SOME

WHERE)

DX

Jerry, WØNKG, worked WØAGO on 10 the other day and reports that he will operate under special permit as HC8AGO from 9:15 to 11:30 - 1958. You fellows looking for DX might keep your receiver turned on.

WØAGO, Hokah, Minn. has worked 177 countries and 40 zones.

WOYVV is still looking for a PZ contact for worked all South America.

WOMYO, John, has some new ones and a power increase. WODYG worked a SV9.

WANTED: A relay rack. 48" high or higher. KØJLG, TE 5972.

..........

Now on the air with a DX-100 and HQ-140XA on 40 m and 15 m using a 40 m Doublet--

Worked WOGYM--Vic, and K7BAK--Guy Bailey. Worked Vic on 40 and Guy on 15.

Sure would like to work sum of the gang around Omaha. K8BKF

Tom Fifer

Ooops --- it would seem that a boner was pulled in last month's article regarding the price of the Drake 1-A receiver but such is not the case. From the time the article was written to the time it was printed, the price was boosted \$40.00. It was too late to call the copy back, but in spite of the forty frog skin increase, it is still a good buy for anyone wishing a receiver for copying SSSC signals.

Along the line of receiving SSB, we think the Hammarlund HC-10 Converter is the hottest item available which will give you the needed IF selectivity for only \$149.00. The frequency however, will depend your present receiver. upon

The HC-10, basically, is a complete rear section of a receiver. It attaches to your present receiver's last IF stage (provided it is between 450 KCS and 500 KCS) and gives you the following improvements: (1) Separate control for AM diode or 12AU7 Product detector, (2) a control for ten degrees of IF selectivity, and can get 6kc, 4kc, 2kc, and .5kc selectivity for the reception of AM or CW plus 3 - 2 - and 1 kc Upper side band and 3 - 2 - and 1 kc Lower side band for the reception of AM, CW or SSB. (3) a slot filter control (Q Multiplier) with a range of plus or minus 5 kc. of 8

the input frequency and attenuation of 40 db or better, (4) an adjustable series type noise limiter and squelch which p vides both positive and negative peak clipping, and (5) a control for choosing the type of AVC you desire, (all 3 AVC actions have .005 second attack time and give you the choice of .01 - .1 or 1 second decay time.)

The HC-10 is entirely selfcontained with its own power supply, and 6AQ5 audio output.

Have it on good authority that SSB is going to invade the 6 Meter band, locally, in the near future, with a home-brewed rig. Will fill you in with the details as soon as they are confirmed.

1030 E. Leest Tucson, Ariz.

Hi Gang,

Turn your 10 es 15 beams down Tucson way - running 200 wts - Viking Valient - High Gain Tri Band Beam 28 ft high. Do not hear any Omaha Hams here. Don't they know lots of Hams in Arizona.

(Please don't stop Ham Hum.) Guy R. Bailey,

K 7BAK Ex-WØKJP

RME 4350 Rcvr.

AMATEUR RADIO CHECKER TOURNAMENT

An Amateur Radio checker cournament is in the offing for ie local metropolitan area.

Tenative rules are as follows:

- only licensed Radio Amateurs may play.
- (2) contest starts June 1, 1958.
- (3) contest will be a series of tournaments by amateurs operating in the same band by the same mode of transmission, for example, Ten Meter Phone Operators, Six Meter Phone Operators, 40 Meter CW Operators, 75 Meter Novice CW Operators, etc.
- (4) send your entry in to Ak-Sar-Ben Radio Club, P.O. Box 626, Omaha 1, Nebr. giving your name, call, and which mode of operation and band you wish to participate in, also your telephone number. (those of you who are Xtal controlled, state the frequency of your Xtal)
- (5) contest is for all radio amateurs in our local area, not limited to only club members.
- (6) every match will be on 2 out of 3 wins basis.
- (7) the champions of every band will meet for a play off to termine the Area Champion.
- (8) everyone is to use the Official Numbered checker board as printed and explained in this article.

Checker board to be numbered as follows:

No. 1 starts in the upper left hand corner and progresses to No. 64 in the lower right hand corner.

Here are some checker rules which will govern play:

- (1) the first play (move) is always made by the player who has the black checkers,
- (2) if during the game, it goes to the point where your opponent has a capture (jump) as his next move and he moves another checker instead, you have three alternatives, (a) to make your opponent take back his move and go through with the capture (jump), (b) after he has made the move, to point out the jump he missed and remove the checker that was to have made the jump, or (c) to forget the whole matter and continue playing.

After you have sent in your entry, you will be notified by telephone who your opponent is, what time and frequency your match is on and who your tournament chairman is, so that when your match is completed, the chairman should be notified of the results so he can then notify the winners of their next match.

NEW EQUIPMENT

Hy-Gain Antenna Products Co. (1135 No. 22 St. Lincoln, Nebr.) has a new unit on the market that takes care of all functions of twisting the new sky-hook. It is a combined rotator, brake, and indicator all in one attractive package. It features the well known ROTO-BRAKE which will hold arrays developing up to 2,000 inch pounds of torque. That's about equivelent to three big arrays in a 100 MPH wind. The tail twister on the system is a special motor that features sealed gears of the highest grade steel, lubricated for life. It is a capacitor start motor which is the type that will deliver FULL torque almost to the stalling point, so the beam doesn't have to stay pointing into the wind when there is a little blow, as with small rotators commonly used. This single motor will turn a BIG array in up to about 60 MPH winds. If you are the kind that wants to be able to turn the biggest array in any wind, they will have a deluxe model at slightly higher price featuring two motors in tandem. The real slick piece of the assembly is the indicator. It is a large 16 inch disc about 4 inches thick and made to hang on the wall or any convenient place. It has a plastic face with a multicolored great circle map of the world. When the system is initially energized, the rim of indicator lights with a son golden glow as an indication the unit is ready to go. The direction indicator is a wedge of light behind the face of the map about 10 degrees wide, similating the beam pattern. Call zones are shown all over the world. The unit uses selsyns and since the antenna selsyn is gear driven right from the rotator, the error is nearly nonexistant and there is no mess of tieing in the antenna selsyn. The unit will use 9 wires total for all functions. Six #18 wires and three #22. We understand this complete system is only \$139.95 (\$179.95 for the dual motor job) and to accomplish all three jobs of turning, protecting and indicating, this seems like a good deal. If you are interested in a brochure, just drop them a line.

Renew your QST and CQ subscriptions through the club. Just see the treasurer at any regular meeting.

OFFICIAL BULLETIN NR 647 FROM ARRL HEADQUARTERS WEST HARTFORD CONN MARCH 27 1958

TO ALL RADIO AMATEURS BT

About May one FCC will begin a new system of call prefixes for new amateur station licenses. This policy is made necessary by shortage of calls in second and sixth districts and will be put into effect in those areas first. All new licenses except Novice will have WA repeat WA prefixes. All new Novices will have WV repeat WV prefixes changing to WA upon advancement to permanent grade. FCC cannot consider requests for calls out of the new alphabetical sequence except as provided in amateur rules. See May OST for complete details AR

OFFICIAL BULLETIN NR 649 FROM ARRL HEADQUARTERS WEST HARTFORD CONN APRIL 10 1958 TO ALL RADIO AMATEURS BT

Further expansion of the Loran navigation service which has absolute priority in 1800-2000 kilocycles now requires reduction of amateur sharing privites. Effective midnight EST May ten, band segments 1875 to 1900 and 1900 to 1925 kc are withdrawn from amateur use. Thereafter only band segments

1800 to 1825 and 1975 to 2000 kc may be used by amateurs under present geographical and power restrictions AR

Re page 4, April Ham Hum, KQBHT is also on SSB, with a Home-brew 20 watt exciter, bands witching from 80 - 10, a SX-101 which is used as a tracking VFO for the exciter, and a Home-brew 250 watt linear amplifier. The operation of the station is similar to the KWM-1, only is more flexible.

Ak-Sar- Ben Radio Club:

The Norfolk Radio Club is liquidating most of its equip. in hopes of getting new with FCDA matching funds.

Please print this adv. in the Ham Hum if you have the space.

powered by 2500 volt 500 mil. supply, 50 mfd output filter cond., provisions for band switching, in 36 inch cabinet on casters. \$150. WOYSK, Bill Gettman, Norfolk, Nebr.

I look for the Ham Hum every month, and read it from cover to cover. If you get in a bind for funds again don't hesitate to put the bite on me.

> 73, Wm. Gettman (Bill) WØYSK

FURTHER A CAUSE

W8VHO, Ralph Crammer, at Columbus. Ohio has a bulletin circulation concerning the legality of operating a selective calling system using A-2 emissions in the 50-54 Mc. amateur band under the RACES plan for the purpose of activating warning devices, such as sirens, bells, receivers and/or other devices. The Columbus Amateur Radio Association drafted a letter to the ARRL requesting the League to request a ruling from the FCC on the matter. To date their has been no official response from the League, though there apparently has been an informal discussion with representatives of the League on the matter. It appears the League is not particularly interested in being a party to such a petition and prefers the club petition the FCC directly for a ruling on the point of legality of such emissions. It will be interesting to see what, if anything, comes our of the efforts of the Columbus group. If the Ak-Sar-Ben Radio Club members are interested in furthering such a cause, it should be mentioned at the regular meeting.

If you are interested in obtaining a DX-20 transmitter kit at a savings, contact Erv Darge (KE 2267) 3033 Ida St., Omaha, Nebr. The unit has 12

never been out of the box and Erv will give you the details.

It looks like we are gol to have a FM station on the air again. KFAB is in the process of setting up now, and word has it that they will be on the air with 10 KW in about 60/90 days. No information on the location as yet, though it would be natural to assume they may put the FM antenna on one of the AM towers near Papillion, Nebr. The frequency will probably be announced in the paper soon. If you are a satellite listener, this may necessitate your sharpening up the receiver to keep out the FM.

PICNIC AT STANTON

The Northeast Nebr. Radio Club will have their Annual Ham Picnic at the Stanton Fair Grounds, Stanton, Nebr., June 8, 1958. Pot luck dinner at 0 o'clock. Free coffee and ice cream to be served by the club. No admission charge, plenty of parking space, etc. Bring your old radio gear to trade or sell. There will also be some new gear to look over. So bring the family and spend the day the gang.

Yours truly John Kasal, Jr. WØSPD

MOBILE MODULATION ----by Windy

The condition of ten meters ely hasn't exactly been conducive to getting out as we were accustomed to during the winter months. However, your editor has been hearing some D.X. during the daytime and this summer we should get some good short skip so that a few W.A.S. certificates will no doubt be earned. Actually, periods of poor ten meter activity often show consistant good skip openings when you least expect them. So, don't give up on ten if it sounds a little dead, just listen a little more.

Many of you are familiar with the opinion that I haveemphatically stated many times. Namely, that the mobile amateur is the crux, heart, or in other words, the most indispensible part of emergency and C.D. communications. However, some part of the vast C.D. organization doesn't see eye to eye with this opinion because this year as last, (my memory fails me on previous years) mobile communications as such have once again been excluded from the exercises on May 6. ven the opportunity, backing, d sorely needed practice, I'm sure our mobileers as well as fixed station operators could prove themselves more than equal to their assigned tasks.

New mobileers Lowell, KODFP, Francis, KOTTG, and Elmer, KODFJ is on his way. Note: C.Q. magazine's May mobile issue.

Here's a gadget that I find handy to squelch my worries when I don't seem to get out on my mobile rig. I use a pink bead, 2 volt 60 ma. pilot lamp in a suitable socket. On this I attach two leads 2 or 3 inches long with alligator clips on the end. If I have doubts about my rig, I clip the lamp on my whip with about 3 or 4 inches between clips. If the rig is putting out, the lamp lights. This can also used to tune up a rig, he tuning for maximum brilliance and the distance between the clips governs the brilliance of the lamp. I keep mine handy, clipped to the sun visor. It's simple, but helpful.

Don't forget the mobile transmitter hunt Sunday, May 11, 2:00 P.M. at the Sears and Roebuck parking lot. The transmitter frequency will probably be 29.5 mc. It will be a lot of fun and I hope to see everyone there.

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Dear Editor:

Here are some recent VHF happenings and some other irems of possible interest. We am to have more than usual this month, since there was no vhf column in April.

By the time this appears in the May edition, the CO VHF contest held on both April 26 and 27 will be all over with. Judging from many past contests, it seems that there is generally a good turnout for the vhf contest on 144 mc. but not so good a turnout on 50 mc. for reasons unknown. In fact, lots of the fellows aren't even aware that there is a contest taking place! Some of the fellows ask "How do we find out about these contests and the contest procedure?" The answer to both questions is very simple... read the VHF sections in OST and CQ magazines. The information about the contests and procedure is always announced a month or two ahead of the contest date. Remember that the object of the contest is to have a good time and to create some real vhf activity.

Most of the fellows on 6 are eagerly working toward their 6 meter CENTURY CLUB ificates. Naturally, QSL and confirmation is required to get the certificate and some of the guys make it awfully tough by neglecting to QSL.

A suggestion from Lou, WØVLI in using the Gonset Communicators mobile, Instead of attempting to take off power from a cigar lighter plug, much better voltage regulation will be had from the use of a direct. heavy (at least #8 for 6v.) wire up to the car's battery. In connection with this, it might be very wise to mount a heavy duty fuse holder and 20 amp. fuse close to the battery in the interest of safety. These heavy fuse blocks are obtainable from a branch of Motorola Communications at a very reasonable cost.

Frank, WOEMS, reports more aurora on the evening of April 16 and he got contacts with 3 states - III., Mich. and Wisc. with his new Johnson 6N2.

73, John, WØWRT

HOMESTEADER RADIO CLUB NEWS, BEATRICE, NEBR.

We have 2 new novice licenses, Dr. Dwight Moell, KNØOVX, Joe Moell, KNØOVV, a father and son team.

We are planning transmitter hunts on 75 meters.

Lee J. Witulski WQAQQ, Sec. 1009 Ella St. Beatrice, Nebr.

P. O. BOX 626 OMAHA, NEBRASKA

NEXT MEETING MUTUAL OF OMAHA 33rd & FARNAM MAY 9, 1958 8:00 - SHARP

Form 3547 Requested

BULY ATE

Omaha, Nebr. Permit No. 221