



# HAM HUN

AK-SAR-BEN  
RADIO CLUB  
INC.

WØEQU

March, 1956

P.O. Box 626

Omaha 1, Nebr.

Vol. VI No. 3



“C Q...”

OMAHA”

See page 3

# Ham Hum

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AK-SAR-BEN RADIO CLUB INC.  
Post Office Box 626  
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Editor---Art Stadler WØQMD

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 accepted. All items must be received at least two weeks prior to the second Friday of each month for inclusion in the current month issue. Submit all correspondence to P. O. Box 626, Omaha, Nebr.

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*Rudy Rampacek, WØRMC, Vice Pres.*  
*Curt Hicks, KØAMM, Secretary*  
*Bob Stratbucker, WØHZE, Treasurer*

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 \$2.50 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.

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### FIELD DAY

Ed. Gutman, CQX

“C Q...o

# “OMAHA”

WHAT?.....A contest for all Hams, in or out of Omaha.

WHY?.....To stimulate more air activity, more rag-chews, and a closer association among all Omaha Hams on all bands.

WHEN?.....Starts 12: 01 AM (Midnite) May 9th-ends May 11, 1956, 12, midnite.

WHERE?... All amateur bands.

WHO?.....All Hams, general or novice.

If you are interested....read on..

It appears that local contacts and rag-chews are badly in need of a spring tune-up job!

No longer do we hear the big round table gang and their idle banter, and, in fact, we miss it. All we hear are the old stalwarts holding down the fort but slowly but surely, even they are dropping by the sidelines. (C) ig to raise a local on CW, on any band, is getting harder by the day. When you do hear your neighbor on the other end of town, he's usually calling DX

or CQ-DX....and you hate like all-get-out to break in on that kind.

So...o..o, to stimulate activity, not only locally, but statewide, we are announcing the "CQ OMAHA" contest. The official starting time is 12: 01 midnight, March 9th, and will continue until 12 midnight, on May 11, 1956. This contest is open to all duly licensed amateurs, novice or general class.

The amateur contacting the greatest number of other duly licensed Hams located in Omaha, Nebraska, and submitting to the contest judges a MAILED confirmation of each contact will be judged the winner of the "CQ OMAHA" contest. To the winner will be awarded (1) A trophy symbolic of your accomplishment (2) A full year membership in the AK-SAR-BEN Radio Club, Inc. To all other participants, a year's subscription to HAMHUM.

The only qualification for participation is to call "CQ OMAHA" and you're in!

Contacts can be made on any band on which you are authorized to operate. Just tell the person contacted that you are in the "CQ OMAHA" contest, and that you need a MAILED QSL. One QSL for each contact.

All contest QSL's should be submitted to the CONTEST judges, c/o ARC, Box 626, Omaha, Nebraska, on or before May 27, 1956. The decision of the judges, IOS, YZV, and QMD is final.

There's skads of room for QSO'S and rag-chews on 2, 6, 10, and 15 meters, but if you're limited to 40 or 75, go right ahead.

The novices should really pour it on for they usually have plenty of operating time, but the generals have their advantages too.

Good Luck, fellows, and we will be listening for your "CQ OMAHA."

Ray Hansen, WØHOV is so busy learning how to become a "General" at the West Point Academy that his Ham activities are restricted (QHG please note). Ray will be looking for you via WZKGY.

KØBSV's XYL is tickled pink! No longer does she have to tip-toe around the house while the OM practices his code. From now on she can lead a normal life, for on January 26, the inspector changed the call from KNØ BSU to KØBSV!

"Our boy" Art Gaeth, the "Voice of experience" FQB, was awarded a life membership in the Nebraska P. T. A. for outstanding services rendered to that organization. Art is also health and Safety Chm. and neighborhood commissioner for the Boy Scouts of America, Ponca District.

In your spare moments try this little brain-rattler. Pictured below are 9 dots, all evenly spaced. The trick is to connect all 9 dots with 4 straight lines, but without lifting your pencil or retracing any line. It can be done!

See page 22 for solution.



Don't forget to bring along to the next meeting those crystals for the Novice Crystal Bank. Any rock that will work into the novice band will do the job!

There will be a prize draw for those making contributions to the crystal bank, so help yourself while you help the beginners.

## DX...DXCC.....and how!

Our guest speaker at the March Meeting will be that man that we have all been waiting to hear....Orville Weimer, WØGKL, Omaha's only holder of the coveted DXCC.

Heading up the DX session of the recent Midwest Division - ARRL Convention, Orville had every man in attendance wide eyed with his many facts and figures on ways, means, methods, and ideas that can be used in working those hard to get countries. His near 200 countries will attest to the success Orv' has had and the methods he uses.

Since the Convention, Orville has spent many hours listening and charting the DX portion of the bands and will have much interesting information for any man having the desire to work the hard ones. GKL's qualifications as a top notch DX man are not of short duration. A licensed ham for some 20 years has given him an old timers rating and an opportunity to see the ups and downs of the 20 meter band both on cw and phone.

Professionally, Orville is a member of the engineering staff of station WOW-TV with color transmission his newly adopted specialty.

Here is a program you don't want to miss, so plan now to attend the March 9th meeting at the 4-H Building at Ak-Sar-Ben Field.

## OUT-STATE NEWS

The Northeast Nebraska Radio Club held its monthly meeting at the QTH of WØYSK with 14 members and one guest in attendance. Oddly enough, all members in attendance except SPD are operative on SSB! ZUT had his partially finished SSB mobile at the meeting in hopes that some of the guys would help exterminate some of the remaining bugs. We hear that this is being built from a BC 458 and one look at the gear will cause enough confusion to grow hair on a bald head! Good luck ZUT.

The NE gang have plans in the making for their annual picnic with a tentative date of July 20th. While not definite, it looks like the Stanton Fair Grounds will get the nod but more will be decided at the next meeting to be held at FYP's QTH in Oakland.

Don, WØAIN, tells us that his copy of HAM HUM makes the rounds of the Western Nebraska

gang in and around Lewellen. Current issue is kept in the rack just in case some of the boys lose their copy. (That's the only reason they don't have a copy if they have asked for it..Ed)

On the next page are photos of the Lewellen amateurs, each in their seat of contentment!

WØPZH, Bud, running 250 watts to a pair of 814's modulated by a pair of 1625's on 75. Bud squirts his RF into a 50 foot high windom and does his listening on a BC-348Q. PZH is ex-W9CDB, class of '24 - '32. WØRS, John, does the majority of his shouting via a 40 watt mobile and whip antenna. That's an Elmac receiver isn't it John? RS is ex-W9RR from 1916-1918.

KØACZ, Howard, runs a 150 watt homebrew rig that pushes the RF into a longwire. The "ears" of this station is an S-20.

WØAIN, Don, uses a Viking 1 on fone and C W, an SX-71 plus a 150 foot long wire. If you look real close you will see a VT keyer which permits anyone to pick a note from a hard thud to a soft purr.

ISV is out in Long Beach, California, where he received his February issue of HAM

HUM. He's wondering who the characters are on page 5 of that issue. When your memory gets that short, Fay, its high time that you head for home. Glad you received your license plates and will be showing the folks in Mehica that Nebraska is a "Bull" State, too. See you in April, Fay.

## MAIL DEPARTMENT

In the last issue of Ham-Hum you had Elmer Burt listed with the Call Letter WØAVM. WØAVM belongs to Elmer Stein. KNØDFJ belongs to Elmer Burt.

Hr is latest info on things doing at Hq. Strategic Air Command: Major General F.H. Griswold, Vice Commander in Chief of SAC just received his Ham ticket & call of KØDWC. The MARS station has taken delivery of a complete Collins SSB Station consisting of a KWS-1, 75 & 3 element TEL-REX Beam - 73

## C' A. Draper KØCZE

Hi ya fellers: Received new plates for the old "scatter-bolt" special - WØINR sure looks good on 'em - mobile equipment going into car as soon as possible - 10 meter mobile with provision for 75 also.

73 enl

Al Wyland WØINR  
Hemingford, Nebraska



KØACZ



WØPZH

LEWELLYN

NEBRASKA

HAMS



WØRS



WØAIN

## CONELRAD ALARM CIRCUIT

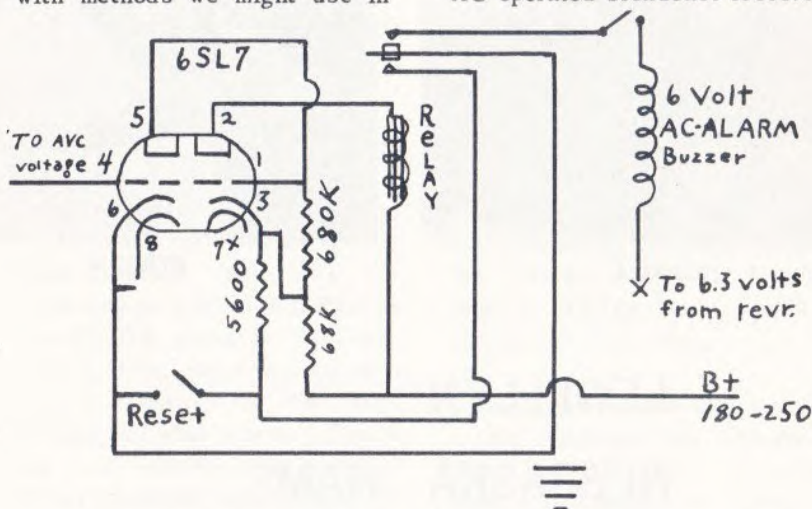
Since FCC has requested compliance with CONELRAD by all hams in 1956 and will require compliance in 1957, Ted, W7YZQ, as reported in the Yellowstone Radio Club "Splat-ter", has been experimenting with methods we might use in

switch

1 Chassis or suitable piece metal

1 SPST toggle switch

This simple Conelrad Alarm Circuit may be attached to any AC operated broadcast receiver



our own stations. He has developed the circuit below which eliminates the objectionable features we've seen in all previous alarm circuits and with an absolute minimum of parts. A vote of thanks to Ted from all of us.

### Parts List:

- 1 5600 ohm  $\frac{1}{2}$  watt resistor
- 1 68,000 ohm  $\frac{1}{2}$  watt resistor
- 1 680,000 ohm  $\frac{1}{2}$  watt resistor
- 1 Octal tube socket
- 1 6SL7 tube
- 1 Advance 850, 4000 ohm relay
- 1 6 volt AC door buzzer
- 1 Momentary contact SPST

with AVC. Filament and plate supply may be obtained from the receiver with little danger of overload. Wiring is not critical. To operate, the receiver is tuned to the station to be monitored and the momentary contact "Reset" switch is pushed. This will stop the buzzer. The volume control on the receiver should be turned down. In the event the received stations carrier is interrupted, the relay will be de-energized causing the alarm to sound. The buzzer should then be switched off and the volume turned up on the receiver for civil defense instructions.



Conelrad tests are made weekly to determine if your Conelrad Alarm is functioning properly. The above circuit is very sensitive and will hold on weak signals - even on strong QRM that will produce AVC voltage. If QRM is strong enough to hold the relay energized, the antenna should be shortened or an RF gain control installed in the receiver. The above circuit is fail-safe i.e. - the alarm will buzz upon the failure of most any component in the receiver or control circuit. Incidentally - this circuit makes a beautiful operating squelch circuit for monitoring 3910 Kc. The relay contacts may be wired to short out the audio when no signal is present providing noise free monitoring.

THANK YOU - - - - -

WØKNT, Harold Cook of Lincoln, Nebraska, - Helen Allm - or Allo Radio, Inc. - WØSPD, John Kasal, Jr. of Stanton, Nebraska - WIBOM, John Abt, of Stamford, Connecticut. We appreciate your help.

WØMAO, NSS NET Mgr., via CØU and PQP informs us that the Nebraska slow speed net needs some Omaha members. Novices please note. Net meets daily at 5 P.M. Frequency is 3750 to 3745 Kc.

PQP's "Big Boy" Jack, WØNOW, is attending the E. E. School at Lincoln, Studies are limiting Jack's operations (?) but we'll be listening for you soon, OM! Perhaps that KW will get going when you get home.

WØMYH formerly of Imperial, Nebraska, is now at his new QTH - 5329 No. Michigan, Kansas City 16, Missouri.

### OFFICIAL BULLETIN NR 532 FROM ARRL HEADQUARTERS WEST HARTFORD- CONN FEB 9 1956 TO ALL RADIO AMATEURS BT

FCC has now taken final action on an ARRL proposal to liberalize frequency shift limitations for radioteletype operation and effective March 16 has amended our rules to permit any frequency shift less than 900 cycles in bands where fsk emission is authorized. For audio frequency shift keying the difference between mark and space signals may be any shift less than 900 cycles AR



## MOBILE RADIO

This is the first of a series of articles on Mobile operations and gear contributed by John Orr, WØPHW. Watch for further installments and later issues of Ham-Hum.

We started installing radio equipment in automobiles almost as soon as radio was discovered. But it wasn't until 1946 that a large number of installations were made, both in the commercial and amateur fields.

The average commercial installation is ideal, using fixed frequency transmitters and receivers. The operator has only a filament switch, maybe a pilot lamp and a push to talk mike to contend with. Many companies require all transmissions to be made with the vehicle parked.

On the other hand the average amateur mobile station, complete with a long multi-band antenna, presents to the operator a maze of dials, knobs, levers, meters, lamps, and switches placed over the entire interior of the car. Most all amateurs use tunable receivers or converters. Operation is accomplished by operating from one to four controls for each transmission and in many cases this

requires reaching great distances from the steering wheel.

Amateur operation from a car could be as simple as the commercial operation if we only design the equipment and install it with a bit of skill and fore thought.

This is the first of a series of articles which we hope will provoke some thought regarding mobile installations. This article will be concerned mainly with the placement of receiving equipment in the car.

There are several factors to be kept in mind in locating the radio equipment in an automobile. The most important and possibly the most over looked is SAFETY. Secondly, we must consider and utilize each detail of the automobile design to the best advantage. Accessibility is a forgotten word in some mobile installations and a lack of it may easily dampen spirits when the equipment fails.

Most of you agree, I hope, that driving is really a full time job and extreme caution should be observed when operating mobile. Every attempt should be made to make mobile operation a simple operation requiring the

minimum of attention of the driver of the car. The best situation would be, that where a passenger operated the equipment while the car is in motion. The driver, if he is to operate while in motion, should have every control to be operated at his finger tips and all dials and meters which require watching to be visible by the slightest movement of the drivers head. The dials should be of the type which are least confusing. Incidentally, there has been quite a study recently to determine the easiest type of dial to read and the easiest type of control to operate, but that is an article that may come later.

What happens in case of an accident in your car? Is some one going to be thrown against the sharp knobs and corners of your rig and be injured? Will your knee smash the front of your receiver? Receivers are expensive but so is your knee.

Keeping safety in mind we must inspect every possible location in the vehicle for a place to mount equipment. Consider if you will that while the cost of filling and painting a hole in the body and fenders of a car next to nothing, in many cases it does not in the least affect the trade in value. A hole in the dashboard is a different story. BUT, for a few dollars

you may purchase many of the small pannels which make up the dashboard. Check the price and availability of the dash parts before installing; purchase new pannels and keep them on hand until the car is to be sold and then remove the drilled pannels and replace with new ones.

Let us consider a typical new installation, keeping safety and convenience in mind. The receiver should be located so that the driver has only to move his hands a short distance from the wheel to the receiver. Also the receiver should be placed for access by both the driver and passengers for a flexible arrangement.

The driver should have only to shift his eyes a few degrees from the road to the receiver to eliminate blind driving.

We might meet these requirements if the receiver were placed overhead in the center of the car. The driver could glance up and to his right a few degrees, his hands would not have to move far. The passenger in front could operate the receiver equally as well. On the other hand, placing the receiver above the windshield would constitute a safety hazard in case of accident. There is the danger of being thrown

volumn, rf gain, squelch etc. could easily be mounted under the front seat or, in front of the seat cushion pointed upward.

These controls need not be seen to operate and are seldom operated. A small control box could be easily mounted behind some section of the dash and the knobs brought out front.

Lengthing cables does not really damage equipment if the original cables are kept and replaced when the equipment is sold or traded. In some cases cables can not be lengthened due to the additional capacitance

developed, but then again this may be balanced out. Speakers can be mounted, say under the front seat, in the skuff pannels beside your feet, in the doors or under the dash.

Next month we will have some pictures to show you of some locations for mounting the transmitting equipment which might start a few discussions, we hope. Spring is coming and the mobile rig will become more popular and receive more attention. Let's reconsider the mobile station and look forward to safer and better installations.

### HEART FUND DRIVE

The officials of the Heart Fund Association have delivered their thanks for our assistance in their Drive, and asked that we pass along to those participating these thanks. As you have heard from the publicity given it, the Heart Fund Drive was very much of a success. The following participated on this Drive and, if we have forgotten anyone, we would very much like to know:

George Fox	ABM
Tom Eilers	
John Orr	OHW
Herb William	ZZG
Lou Toruek	PIZ
Tony Helbling	QMW
Fred Lorenzen	SPC
Rolly Johnsen	SPH
Ed Gutman et al	CQX
Al McMillan	JJK
Curt Hicks	KØAMM
Dick Nystrom	WØWKE
Frank Nystrom	WØUKQ
Dick Curzon	KØAIS
Art Stadler	WØOMD
Rod Rasse	WØBCA

Jerry Armstrong	NKG
Dick Eilers	YZV

BRZ - NRS on the side

municate with Lincoln between 8 a.m. and 2:30 p.m. and ask for appropriate help from contractor organizations. It is presumed that under actual circumstances we would have full cooperation of the AGC as we have always had before, and that we would have someone on the spot in their headquarters prepared to write contracts. I will personally contact the AGC and arrange for a radio in their office on that day.

3c Both Red Cross and Salvation Army have indicated their willingness to play this game. Both of these organizations have been contacted. We see no reason at this time to include any messages to determine whatever activities they are willing to undertake. It does seem desirable as we progress that we will get in touch with them personally.

4c Mr. Otto of the Construction Division is investigating the extent to which we want to operate flood gates and pumps on this day. I see no reason to tie the operation of pumps in with the rest of the problems in the scenario. By district radio car, we will keep a record of these activities.

5c Included in the scenario should be a car of the Omaha District Emergency crew, which

will be in the District parking lot and should be figured to be about 9:30 in the morning for simulated rescue operation at the service base.

4. A limited number of people will be occupied with the flood direction center and information center. At the moment I see no reason for more than a total of ten people in both places and these will be designated by me in advance. We were criticized during the last exercise because of the data we kept in our flood direction center and the information center was not complete or adequate. This information must include current water service profile along the levee, design profile, actual levee grades and forecast of profiles, stage hydronographs (current and forecasted), design stages, overtopping stage, and other information on disposition of volunteer, army and contract forces and equipment and supplies. Mr. Huddleson of the Construction Division has been designed by Mr. Cook to see to the arrangement and preparation for the posting of all this data. Mr. Ted Tritt has been designated to call the activities of the construction division with the of the engineering division preparation for this exercise. Mr. Curry, of Construction Division, with Mr. Cook's permission, has been designated

as communications Engineer for the exercise, and assisted by Mr. Caccomo will be Liason Officer with the Ak-Sar-Ben Radio Club in Omaha. The Engineering Division, in conjunction and with the advice of Mr. Curry, will designate the five locations along the river for the mobile radio units which will feed in the story. Mr. Curry's advice is particularly important in this order that we may make sure the radios will work.

5. I anticipate the amateur net control station will be at 1709 Jackson Street and in the immediate vicinity of our own radio equipment. I expect that our own radio system, with an absolute minimum of operators, will be used between Lincoln and 1709 Jackson, between 1709 Jackson and perhaps one or two roving radio cars of our own, and perhaps the communications with Dean Noyes' headquarters.

6. Our target for completion of all plans for the preparation of five notebooks containing the scenario and for completion of all necessary coordination with local people should be Tuesday, March 6.

7. It is expected that Engineering Division, in preparing this scenario and in preparing any charts and drafts required by

Mr. Huddleson, will not exceed a budget of \$1,500.00. It is hoped that the cost in engineering will actually be far below this figure. An accurate breakdown of time charged will be kept in order that costs will be retraceable. Most of the construction costs should consist of those overtime hours worked by those few people to be designated on March 17, with small advance costs by Ted Tritt and Tom Huddleston prior to the exercise.

8. Please keep me advised of any additional ideas you may have toward getting local cooperation, and injecting inexpensive problems into this scenario, toward making the exercise more interesting and let me know especially of your progress in carrying out our plan.

(Signed) Colonel R. D. Brown

## NEW MEMBERS

This will be under new membership. New members to the Ak-Sar-Ben Radio Club:

Paul Storey, KNØDLX  
2525 Himebaugh  
Omaha, Nebraska  
Phone No. KE 2152

Scot O'Keefe  
120 South 33rd Street  
Omaha, Nebraska  
Phone No. JA 2869

# HAM HUMDINGERS

HAM HUM will publish free of charge for non-commercial amateurs your HAM wants, swaps, or items for sale. All ads should be limited to 25 words or less and must arrive 2 weeks prior to the second Friday of each month for inclusion in the current issue. Send ads to HAM-HUMDINGERS c/o Box 626, Omaha.

## FOR SALE

Gonset 10 - 11 converter. 6 volts. Good condition. WØQMD.

## FOR SALE

250 watt final for 2 meters. Pair 4-265's all commercially built. A give away price at \$30.00 and includes bias and filament supply. Write or call WØPHW.

## FOR SALE

Carter Magnamotor. 350 volts, 150 mils. Like new, \$18.00. Contact WØWIM, Wally Uzdawinis, 3121 "Q" Street, Omaha.

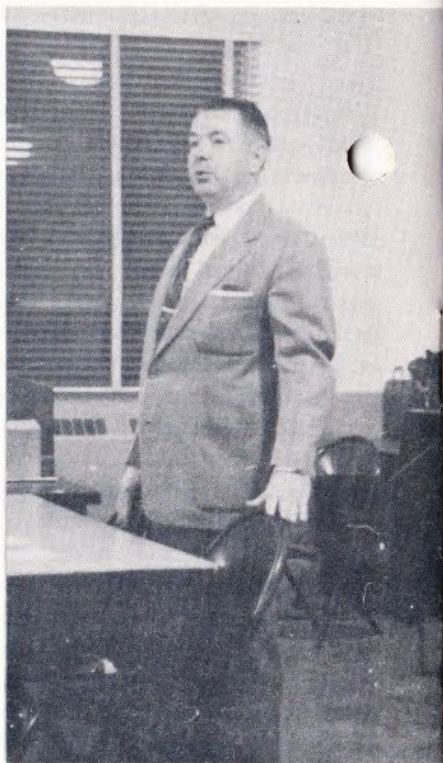
Wanted: Good Field Day site for use by Ak-Sar-Ben Radio Club members. Need plenty of room, prefer a spot high on a hill, with all night accessibility. Contact CQX.

The February meeting of the AK-SAR-BEN Radio Club turnout was outstanding with 64 members and several guests in attendance.

The new meeting place...4-H Building at the AK-SAR-BEN Field, met with the approval of those in attendance, and particularly the free and ample parking facilities. The Board of Governors of AK-SAR-BEN have put their stamp of approval on our application for the use of the building as a permanent meeting place, so pass on the word, fellows, to those that missed the last meeting.

Our guest speaker, Mr. Francisco, of the Northwestern Bell Telephone Company, held the attention of the whole crowd in attendance at the February meeting. While this was Mr. Francisco's fourth appearance before our group, he held the interest of every man with his description and demonstrations of the solar batteries, and transistors. The demonstration of the new telephone dialing equipment had the crowd on edge.

Our program Chairman is really in operation with programs like that one. Good going, Bob.



*Mr. Francisco of the Northwestern Bell Telephone Company spoke at our last Monthly meeting on Long Distance dialing and solar batteries. A highly interesting talk given in an excellent manner by Mr. Francisco.*

Wanted: Good Field Day sight for use by Ak-Sar-Ben Radio Club members. Need plenty of room, prefer a spot high on a hill, with all night accessibility. Contact CQX.



# LAST CALL !

IF YOU HAVE NOT SENT IN YOUR REQUEST FOR "HAM HUM" SINCE JANUARY, AND YOU DESIRE TO CONTINUE RECEIVING YOUR COPY, SEND US YOUR REQUEST NOW!

Our Mailing List is being revised with the APRIL mailing.

Send your request to:

HAM HUM

AK SAR BEN Radio Club  
Box 626 Omaha, Nebraska

## FIELD DAY...

### IT WON'T BE LONG NOW!

Ed Gutman, CQX, our Field Day chairman reminds us that June 23rd and 24th, the official FD dates for '56 are not too far away.

Ed and his committee have developed plans for Club participation and they have come up with a new twist as far as past precedents are concerned and they do look like a good deal.

Plans are to house each mode of transmission and each band in individual tents.....for example, 20 meter phone in one tent, 40 meter phone in another, plus a third tent for 10 and 15 phone. In the same manner separate tents will be set up for 40 C W, 20 C W and one more for Novice participation.

The Committee is arranging to have available at the FD site generators, and tents. From there on, each group is to take over on their own by erecting the tent, putting up the antenna, and putting into operation the equipment they so choose.

A card indicating which tent a wish to operate in, addressed to CQX at Box 626, Omaha, will enable Ed to get under way with the organization of the various groups.

OFFICIAL BULLETIN NR 531  
FROM ARRL HEADQUARTERS  
WEST HARTFORD CONN FEB 2  
1956 TO ALL RADIO AMA-  
TEURS BT

The ARRL cross indexed directory of nets registered to the end of 1955 is now ready for distribution. Nets are listed by name, by state in which operated and by frequency from low to high. Requests already on hand are being filled as rapidly as possible and need not be repeated. If you have not already requested a copy of the Net Directory you are invited to do so, giving your name, call and complete address AR



"Well, back to the salt mines, eh, fellows?"

**AK-SARBEN RADIO CLUB INC.  
P.O. BOX 626  
OMAHA, NEBRASKA**

**NEXT MEETING**

**FRIDAY - 8:00 PM  
MARCH 9, 1956**

**AK-SAR-BEN 4H BUILDING  
AK-SAR-BEN FIELD**

CLUB RATE  
U.S. POSTAGE  
Paid  
Omaha, Nebr.  
Permit No. 221