



HAM HUM

Published by
AK-SAR-BEN RADIO CLUB, INC. - Omaha, Nebr. 68101
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Vol. XXI
No. 5

May 1971

MEETING PLACE MOVED TO LINCOLN

WHERE: HY-GAIN ELECTRONICS CORPORATION
R. R. #3, Lincoln, Nebraska

WHAT: VISIT WILL INCLUDE A TOUR OF THE PLANT PLUS
COFFEE AND DOUGHNUTS. ENGINEERING PERSON-
NEL WILL BE ON HAND TO ANSWER TECHNICAL
QUESTIONS ABOUT ANTENNAS AND OTHER
HY-GAIN PRODUCTS.

WHEN: FRIDAY - MAY 14, 1971

TIME: 7:30 P.M. SHARP AT HY-GAIN

In traveling from Omaha to Lincoln, leave the Interstate at the Waverly turn-off. Follow old Highway #6 southwest (turn left) until you arrive at Hy-Gain Electronics (about two miles from the turn-off). You will see the plant on your left.

If you do not have transportation, contact any member of the Board of Trustees of Ak-Sar-Ben Radio Club, Inc. who will attempt to arrange transportation for you.

GUESTS WELCOME
BRING YOUR CB FRIENDS -
THEY ARE INTERESTED IN ANTENNAS TOO

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: May 21st

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FIELD DAY INFO

By Ray Kydney, WAØWOT

Norval and Connie Bowen, WAØNPF and WAØMYF, have again consented to let us use their land near the Platte River south of Papillion for our Field Day site on June 26-27, 1971.

Due to the change in ownership of Galaxy Electronics, we will have to furnish our own equipment this year.

Each shack will be completely taken care of by one individual. Anyone wanting to help on a certain band as operator or logger may contact the following:

- | | |
|------------------|--------------------|
| 2 meters | WØYCP |
| 6 meters | KØTVD |
| 15 and 75 meters | WAØDHU |
| 20 meters | KØCVA |
| 40 meters | WBØBMV |
| 160 meters | WØNGG (night only) |
| novice | WNØAJI |

Only four of these plus the novice may be on the air at one time.
 Let's have a big turnout this year!

Reluctant junior op, "My girl and I are only half serious about getting married. She is and I am not."

de the Ham Monitor

The day after the bank robbery the teller phoned a man and said, "your pictures are ready."

de the Ham Monitor

ANNUAL AUCTION

NOTICE!!!

Our annual auction was held April 16th at the General Motors Training Center. Auctioneers were Cecil Witt, WØRMB, and Bob Andrus, KØLUG. The attendance book was signed by 101 persons, all told about 175 items were auctioned, and the Club made \$148.10. Of this amount \$86.10 came from commissions and \$62.00 because of donated equipment which was auctioned. Proceeds of the donated equipment went to the repeater fund as was suggested by the donor, Harry Snyder, WØNVE. Our special thanks to Harry for the donation of this gear.

The contribution to the Club as the result of the auction is always welcome and helps to lessen the deficit at the end of the year. However, this is not the primary purpose of the auction. In addition it does provide a means whereby we can have a larger get-together for visiting and sociability as well as being able to dispose of and purchase gear. It was particularly nice to be able to visit with our guests from out of town as well as from the Omaha area. Coffee and doughnuts were served during the auction.

Our special thanks to the auctioneers for their efforts, to General Motors Training Center for their space, and to Royal M. Enders, KØLYO, for making the arrangements.

You're nobody till somebody loves you, and the next thing you know, you're a DEN MOTHER!

de Midwest C-B 9'ers - Omaha

OMAHA AND LINCOLN REPEATER ADOPTING ALTERNATE BASE INPUT - OMAHA 146.400, LINCOLN 146.160

Due to the fact that Omaha and Lincoln are suffering growing pains in the repeater department, it was decided at a joint meeting of the Omaha and Lincoln Repeater Committees in Lincoln that the problem of base station interference to both the repeaters could be solved by alternate input frequencies on both repeaters. Attending this meeting were: (from Lincoln) John Anderson, WAØHYE; Gary Bennett, WØWKP; John Fuhrman, KØLFA; Pete Gunn, WAØNFC; Mitch Kunagai, WØUFX; Bernie Sasek, WØYOY; (from Omaha) Stan Blanchard, WBØBTL; Leo Connolly, KØJIU; Jim Droege, WØYCP; and John Snyder, WØWRT.

Base stations that are using antenna of a height or size that is likely to interfere with the other town's repeater are requested to use the alternate frequency. If you are using a low power and whip antenna arrangement on base, it will not be necessary. If you use the alternate input frequency on the repeater from your base, you would not have any use for this frequency elsewhere. But how often do you take your base station on vacation, unless you use a combination base and mobile which would come under the heading of using whip while on base to talk into the repeater. The alternate input frequency will be on any time the repeater is active.

Omaha and Lincoln
Repeater Committees

THANKS READERS!

Thanks for putting the item in for me in my quest for training material for my shut-in friend. Have received several offers, one from Florida, so you must have some far-flung subscribers.

Glenn Holder, KØTFT
Hinton, Iowa 51024

1971 ARMED FORCES DAY COMMUNICATION TESTS

Each year on the third Saturday in May, the Department of Defense sponsors the observance of Armed Forces Day. As a part of this observance the Departments of the Army, Navy and Air Force annually conduct communication tests designed to demonstrate to the world the close partnership and mutual respect enjoyed between U. S. amateur radio operators and the U. S. military. This year's program will be conducted on Saturday, May 15, 1971, and all licensed radio amateurs are encouraged to participate.

The Radio Amateur's contributions to communication training, international goodwill, military morale and emergency services are recognized by every echelon of the military services. The Armed Forces Day Communication tests are designed to be a tangible demonstration of the firm and long standing Department of Defense policy to encourage and support amateur radio activity. On this twenty-second observance of Armed Forces Day, all radio amateurs are invited to participate and demonstrate to the world the close partnership and

mutual respect that U. S. amateurs and U. S. military enjoy.

Once again this year, several military radio stations will participate in communication tests which include military-to-amateur crossband operations and receiving contests for both continuous wave (CW) and radioteletypewriter (RTTY) modes of operation.

Special QSL cards confirming crossband communications will be forwarded to those amateurs who establish two-way contact with participating military stations. Certificates will be awarded to those who aptly demonstrate their operating ability and technical skill by receiving a perfect copy of the Secretary of Defense originated "CW" and/or "RTTY" message(s) transmitted during the receiving contest portion of the communication tests. Interception by short wave listeners (SWL) will not qualify for a QSL card in confirmation of crossband communications. However, anyone who has the equipment and abilities may copy the Secretary of Defense messages and receive a certificate.

MILITARY TO AMATEUR CROSSBAND TEST

Military radio stations WAR, NSS, NPG and AIR will be on the air from 15/1400 GMT to 16/0245 GMT. During this test of crossband operations, the military stations will transmit on specified military frequencies while amateur stations will transmit in the indicated portions of the amateur bands. Contacts will consist of a brief exchange of locations and signal reports. No traffic handling will be permitted.

STATION	MILITARY FREQUENCY	EMISSION	APPROPRIATE AMATEUR BAND (MHZ)
	KHZ unless otherwise noted		
WAR (Army Radio Wash., D. C.)	4001.5	CW	3.5 - 3.8
	6997.5	CW	7.0 - 7.2
	14405	CW	14.0 - 14.2
NSS (Naval Communication Station Wash., D. C.)	3385	CW	3.5 - 3.65
	4012.5	RATT	3.65 - 3.8
	4040	LSB	3.8 - 4.0
	6970	LSB	7.2 - 7.25
	*7301	CW	7.1 - 7.2
	7380	RATT	7.0 - 7.2
	7385	CW	7.0 - 7.1
	13827.5	RATT	14.0 - 14.1
	14385	USB	14.2 - 14.35
	14400	CW	14.0 - 14.2
	**21500	CW	21.0 - 21.25
	***27900	USB	28.5 - 29.7
	***49.692 MHZ	AM	50.1 - 54.0
***143.820 MHZ	AM	144.0 - 146.0	

*To be operated from 15/1400 GMT to 15/2200 GMT

**To be operated from 15/2200 GMT to 16/0245 GMT

***Provided it is consistent with operational and training commitments, this frequency will be keyed from a U.S. Navy aircraft flying between Washington, D.C., and Maine, during the major portion of the time allotted for military to amateur crossband contacts. The call sign NSSAM will be utilized on the aircraft.

NPG (Naval Communication Station, San Francisco, Calif.)	4001.5	LSB	3.8 - 4.0
	4005	CW	3.5 - 3.65
	4016.5	CW	3.65 - 3.8
	6971.5	CW	7.0 - 7.1
	7301.5	LSB	7.2 - 7.3
	7365	CW	7.1 - 7.2
	7347.5	RATT	7.0 - 7.2
	13922.5	RATT	14.0 - 14.1
	14356	LSB	14.2 - 14.275
	14375	CW	14.1 - 14.2
	14389	LSB	14.275 - 14.35
20983	CW	21.0 - 21.15	

STATION	MILITARY FREQUENCY	EMISSION	APPROPRIATE AMATEUR BAND (MHZ)
	KHZ unless otherwise noted		
	21475	CW	21.15 - 21.25
	21600	LSB	21.25 - 21.35
	*143.700 MHZ	AM	144 - 148
	**148.410 MHZ	FM	144 - 148

*Provided it is consistent with operational and training commitments, this frequency will be keyed from a U. S. Navy aircraft flying between San Diego, California, and Seattle, Washington, during the major portion of the time allotted for military to amateur crossband contacts. The call sign NPCAM will be utilized on the aircraft.

**To be operated from Mt. Diablo

AIR (Air Force	4025	LSB	3.8 - 4.0
Radio	7305	LSB	7.2 - 7.3
Wash., D. C.)	7315	CW	7.0 - 7.2
	13995	CW	14.0 - 14.2
	14397	USB	14.2 - 14.35
	20994	CW	21.0 - 21.1
	*143.950 MHZ	AM	144 - 146

*Provided it is consistent with operational and training commitments, this frequency will be keyed from a U. S. Air Force aircraft flying between Virginia, and Maine, during the major portion of the time allotted for military to amateur crossband contacts.

(Ed Note: With reference to the CW Receiving Contest and the RTTY Receiving Contest, information regarding times and frequencies will be sent by Ham Hum to those requesting it.)

CB REPEATER IN OPERATION

Council Bluffs Repeater WAØVVD
now in full time operation on 146.22
input, 146.82 output.

Leo, KØJIU

WANTED

Enclosed type relay rack (6 ft.) w/
front panel. Please write to:

Mark Irland, WBØDRU
1913 South 124 Street
Omaha, Nebraska 68144

REMINDER TO MEMBERS

Don't forget that through the Club you may purchase either lapel pins or plaques, as follows:

For \$1.50 — lapel pin with the name of the Club, your call and handle (see picture 1).

For \$2.00 — a plaque for your QTH shack with your call in larger letters (see picture 2). Contact Ray Kydney, WAØWOT, and place your order.



1.



2.

NOTE OF THANKS

Gentlemen: Just a few words to say thank you for the code and theory classes that enabled me to not only pass the general but also obtain the advanced rating. My thanks especially Bob Lockwood, WAØDHU. My call will probably be WBØYCC.

Also, if you would please run an ad in the next Ham Hum to help me sell my novice station.

FOR SALE

Complete novice station — Heathkit HR10-B, Knight Kit T-60, low pass filter, T/R switch, 40/80 dipole openline antenna.

Thankfully yours,
Kevin J. Clatanoff
1302 Englewood Drive
Bellevue, Nebraska 68005
Phone: 292-0120

S
H NEW FIELD DAY RULES

Usually we don't get these to you until the May bulletin. This year, because of intense work by the Contest Advisory Committee, principally by Vice-Chairman Roger Corey, W1AX, we were able to button up all changes and grind out the finished rules in time for this issue.

A good thing, too. We have little else to talk about. The "Club Bull Source" file is bare. More about this later.

Getting back to the FD Rules, this year there are more changes, but nearly all of them lean toward simplification. This is what we need and have long needed in FD rules and scoring — simplification. Instead of that, with sharpshooters and wise guys devising new ways of circumventing the letter of the rules without paying any attention to their intent, the rules annually became more complicated as rules-writers tried to formulate language to close the loopholes. It was a vicious spiral, sort of like prices and wages.

This year the theme of CAC consideration was "simplification." It was time to roll back the trend, return Field Day to the average participant, take it away from the clutches of would-be Philadelphia lawyers. It was time to get it back to the point of practical administration without sending its administrators to the nut house.

Well, the job is done, the rules are simplified, should be easier to understand and the administration somewhat less traumatic, and the result is enclosed herewith. Getting the

job done was itself a somewhat traumatic experience, but we think the results are worth it. Here are the essential changes from the rules of last year and previous years:

1. A novice setup, installed and operated by a novice or novice licensees, may be included with each entry of *three* transmitters or more (Class A), without being added to the transmitter class. That is, a 3-transmitter, not a 4-transmitter, entry. The novice position will use a *novice call*, separate from the call used by the rest of the group, but its score may be included with the entry's score. (That is, the novice QSO total is added to the main group's QSO total.)

2. Emergency power at least for transmitters and receivers is now *mandatory* in Classes A and B. Thus, there is no longer an "independence from commercial mains" multiplier. Any such entries which use commercial power either accidentally or deliberately, regardless of the reason, at any time during the FD period, will be listed at the bottom of the entry classification on a non-competing basis.

3. Last year's Class D is now divided into Class D (regular home stations) and Class E (home stations on emergency power). Class E status is available only if transmitter and receiver operation is on emergency power full time.

4. A signal report is restored to the required exchange.

5. Power multipliers have been changed. The multiplier for 10 watts or less is 3, for over 10 watts but not over 200 watts 2, for over 200 but not

over 1000, 1. The 50-watt power class is eliminated. *The multiplier is based on the highest-power input used by any transmitter at any time during the FD period.* Thus, no longer do some contacts take one multiplier, other contacts a different one. Each entry has but a single multiplier.

6. To qualify for the 10-watt multiplier, batteries or some other form of unusual emergency power must be used, such as solar cells, water or steam-engine generators, cat's back, etc. If batteries are used, they may be charged by means independent of commercial power, but not while in use.

7. Bonuses are available *after* the multiplier for 100% independence of commercial power (100 points per transmitter class), evidence of publicity or attempt to get same (5), a FD message origination (50) and message handlings other than origination (5 points per message, maximum of 50).

8. *No logs* are to be submitted, just the summary sheet and a dupe sheet for each band. Don't forget that FCC/DOC regs require you to keep an accurate log, nevertheless, and you should be ready to submit your FD log if requested to do so. Thus, *keep* a log, as usual, but *don't* send it in unless specifically requested.

9. No limitations on visiting operators, but those submitting separate scores for "club aggregate" mobile score must comply with the 175-mile "club territory" rule. That is, no members from outside or operating outside the 175-mile limit can add their scores to this listing.

Note that the rules now occupy

only one side of one sheet of paper, and on the *other* side is the summary sheet to be sent with your dupe sheets to constitute your entry. Thus, the rules are printed on the back of every entry form. They'll also be in QST (May issue) of course, and additional copies of the rules (with entry form on the "other" side) are available for the asking.

We would like to emphasize that these new rules did not come out of a half-hour of discussion between a small handful of headquarters people. Hour after endless hour of haranguing, sorting of all sorts of weird ideas, wallowing in endless complications, were involved, as were dozens of people, both at headquarters and in the field. It's all well and good to snort and observe that the headquarters people are paid for it, but this doesn't take into account the many hours of extra time, overtime, personal time on weekends which went into it. As for the Contest Advisory Committee, *all* their time spent (and it was considerable!) was their own.

How many man-hours in all? Gosh, we wouldn't be able to begin to make an estimate. But if it had cost the League the equivalent of what the employers of these people pay them per hour, the organization would be out plenty! And that, in substance, is the story of your national organization. All kinds of expertise is available *for free* or nearly so, for the benefit of a fun-time activity or an amateur-radio-rendered public service which captures the imagination of the participants to the extent of this kind of dedication.

Let's keep our fingers crossed and *hope* that we have arrived nearer the

point where we can say "Rules same as last year" year after year without much fear that multitudinous protests will be received or that participation will decline.

WHEN? June 26-27

By George Hart, W1NJM
Communications Manager

NEWS NOTE

April 10, 1971

Dear friends in the Ak-Sar-Ben Radio Club,

I continue to enjoy your "Ham Hum," which is forwarded to me from my former QTH in Conn. Through its pages I purchased the Galaxy GT 550 which formerly belonged to the late KØWFG. I am beginning WAS all over again at this address, and Nebraska was one of my first states. It is quite an experience to be a "rare state" and I am enjoying it very much. If any of your members would like to snag Vermont, a postcard will set the sked. I prefer 15 or 10 meters, either SSB or CW.

There is no ham organization in this area, but a couple of us are planning to try to build one.

Thanks for keeping me on your list.
73, Frank
E. F. Phillips, K1JZU
Box 183
Pittsford, Vermont 05763

(Editor's Note: Thanks for your card, Frank. We have changed our HAM HUM address list to your new QTH.)

FROM THE WORLD-HERALD

Did you read Ann Landers column in the April 14th issue of the Omaha World-Herald? It featured a letter from a lady complaining of her husband and ham radio. Ask Erv, WAØEEM, to tell you all about it at the next meeting.

Also, did you see the April 26th issue which carried a photo of our member Jay McAleer, WAØLLQ, delivering the wedding ceremony smooch to his new bride? Our congratulations to Jay who was married to Joan Speckmann at the Calvary Lutheran Chapel on Sunday, April 25th. Jay met Joan at the Nebraska Chapter of the National Association of Physically Handicapped.

In ham radio where everything is either fixed, portable, or mobile, we would have to refer to this as a mobile wedding since all of the wedding party were on wheels. Best man was Joe Roberts, WAØSTV, of Valley who is also a member of our Radio Club, and the maid of honor was Sharol Enockson of Omaha.

The couple is honeymooning in Colorado and will return to Papillion to live. Our best wishes to you both!

FOR SALE

Hy-Gain 6 meter 6 element beam, model 66B.

Utica 6 meter transceiver with VFO, model 650-A.

Arnold L. Krauel, WAØGUD
301 Washington
Audubon, Iowa 50025

SOUNDING BOARD

(An Editorial by K8REG)

In a recent editorial in the Detroit Amateur Radio Association's news Bulletin, it was noted that the Amateur Radio electronics industry in this country is in serious trouble. Cost of production and limited sales capabilities have caused several manufacturers to discontinue their amateur equipment line. Fellows, we complain that new equipment costs too much, but the simple truth is that lowering the prices for new Ham equipment would cause financial disaster to most manufacturers. With few exceptions, no company which has manufactured only amateur radio equipment has been able to endure for very long. The sagging economy, high production costs, wages, etc., have all been responsible for this; but equally responsible has been the withering growth rate of amateur radio itself. Without mass production and sales, ham equipment manufacturers cannot stay in business. It is reminiscent of rats leaving amateur radio's sinking ships. Aside from Heathkit, the only vital amateur radio industry exists in Japan. There the costs of production and wages are so low that even our import tariffs cannot prevent American prices from being undercut.

I believe Amateur Radio can move in one of two ways. Either we will remain stagnant and suffer from future losses in frequency spectrum, a declining growth rate of number of hams, and maintain a "state-of-art" communications capability of around 1945; or we will adopt change as a desirable and necessary foundation for Ham radio, by moving forward into

the age of space communications. Time and tide wait for no man; not even the Radio Amateur!

de RF Carrier, Dayton, Ohio

NOTICE OF HAMFEST

Central Nebraska Amateur Radio Club - Hamfest and Steak Fry - Victoria Springs State Park - July 25, 1971.

Send reservations to club secretary, L. D. Dunbar, WAØLWK, Milburn, Nebraska 68857. Everyone welcome.

An Advertising agency man, known for his tall tales, told associates at the Minnesota Press Club, "I trained my Great Dane to eat only when I ring a bell. And guess what - today he ate the Avon Lady."

One husband to another: "My wife started to economize - from now on, we'll do *without* everything I need!"

de Midwest C-B 9'ers - Omaha

4-21-71

Dear Dick,

Reference Ham Hum April 1971 Page 3, Fullerton Ham Twins etc. The twins were sent a congratulatory telegram from Amateurs with 215 signers and a total of 892 words (looks like some kind of record). Presentation of telegram was to be made by Senator Carl Curtis.

I'm certain we all shared the joy for them during this momentous occasion.

73,

Tony, KØOAL

Nebraska SCM

Don't  fiddle Around —

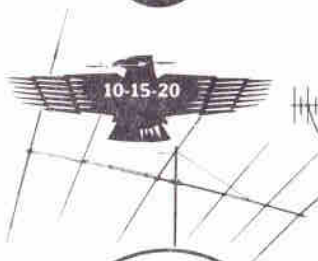


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Dept. HH-5b

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