



HAM HUM

Published by
AK-SAR-BEN RADIO CLUB, INC. - Omaha 1, Nebr.
Post Office Box 291 - Downtown Station



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No. 4



Mobile Season Starts Today!

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.



Published by
AK-SAR-BEN RADIO CLUB, INC.
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EDITORIAL POLICY

Ham Hum, believe it or not, does have an editorial policy. This policy has developed over the years and probably will continue to develop over the next years. Recently we received a complaint from one of our members regarding this editorial policy. It seems that he wished to state his beliefs and arguments regarding a controversial subject which article was not published in Ham Hum.

We have a policy of not publishing any article which is argumentative in nature which, in the opinion of the editors, is adequately covered in the national publications. Our publication is intended to give members the news of meetings, news about the members, news about friends of the Club, articles from other club papers which we believe to be of interest to our members, technical articles, along with such photos of Club activities and member activities as we can get. In a situation such as we now find ourselves in the amateur fraternity we attempt to rely entirely on national publications, such as, QST, CQ, and 73, which we feel can adequately state their various

positions and which publications do publish letters from their readers. Whereas they may not publish all of the letters received, they do publish representative letters so as to indicate the type they receive.

This information was called to the attention of the member who was not satisfied with the explanation of the editor. In discussing the matter with the president of our Club, suggestion was made that we let our policy be known by way of this article in Ham Hum. It so happens that at the time this letter was received the editor took it to a Board meeting of the Club and called it to the specific attention of the Board members along with an explanation of the policy of the Club, which policy was established many years ago, and asked for the Board's confirmation that the policy be continued. It was called to the Board's attention that in the matter which is currently being discussed by amateurs that our Club had not taken sides as it has been the feeling of the Board that the individual member is entitled to his opinion. With as many members as we have in our Club we have always felt we

would not have to arrive at a single Club opinion but should allow the individual member to retain his opinion; and instead of writing a Club letter have requested that the individuals with opinions write their own letters to the Director of Division, Mr. Robert W. (Bob) Kenniston, WØNWX, so that he would be aware of the various opinions of our local amateurs. It has also been suggested that the individual could write to ARRL Headquarters if he desires, and particularly when any action of the FCC occurs there is a 60-day period during which the amateur can write to the FCC stating his opinion. Should the Club at any time arrive at a decision to make a statement this would, of course, be reported in Ham Hum.

It was called to the editor's attention that we did publish an editorial by ARRL which of course is so. This editorial was published because ARRL requested that club papers publish it. It was sent only to clubs which are affiliated with the ARRL as is the Ak-Sar-Ben Radio Club, Inc. In view of this affiliation we felt it was proper to print the editorial. It was, however, properly labeled as emanating from ARRL and not from the Ak-Sar-Ben Radio Club.

This editorial policy does not prevent us from engaging in the normal discussions of the merit of SSB against AM or CW or vice versa nor does it prevent any of the various discussions typical of amateur radio operators. These discussions are part of the fun of our hobby.

While we are stating our policy we should also state that we do not print articles or letters that

have derogatory remarks about any individual as we feel that if an item would hurt someone we had best leave it out. We hope that in pursuing our editorial policy we are pleasing most of our readers at all times. No magazine or club or organization of any kind can please all of the members all of the time. We hope we please you most of the time.

73,

Dick L. Eilers, WØYZV
Editor

SPECIAL NOTICE

The next meeting of the Ak-Sar-Ben Radio Club, Inc. will be held at the General Motors Training Center, 225 North 80th Street, Omaha, at 8:00 P.M. on Friday, May 8th.

NEW MEMBERS ADDITIONS TO ROSTER

Bruce Brown, WAØHHE
1602 South 49th Street
Omaha, Nebraska 68106

Stanley Martinkus, WØEKC
723 Pierce Street
Omaha, Nebraska 68108

Tony Martinkus, WAØFHH
723 Pierce Street
Omaha, Nebraska 68108

SILENT KEY

John B. Biodrowski, WØMYO
6026 South 34th Street
Omaha, Nebraska

APRIL CLUB MEETING

The regular monthly meeting of the Club was held on Friday evening, April 10th, at 8 P.M. at the General Motors Training Center, West Omaha.

The meeting got under way at 8:15 P.M. with President Louis Cutler, WØVLI, presiding in front of a full house.

After the usual roll call, the new membership cards were distributed to those who were present and the greeters' ties were also given to those who had ordered same. We express our thanks to Mrs. John Orr who made the joker ties (see photo) which fit in quite well with the month of April.

A new member was welcomed into the Club-Bruce Brown, WAØHIE.

John Orr, WØPHW, was program chairman for the month and gave commentary on the satellites Oscar I and II. This was then followed by the Bell System color films on Telstar and Echo, compliments of Northwestern Bell Telephone Company of Omaha.

The ticket prize drawing was won by John Kisicki, KØOJO. The prize: a new 6146.

The attendance drawing was drawn in favor of Al McMillan; however, the club treasurer decided that Al was slightly behind in his dues so the amount goes to \$6.00 for next month's meeting. Sorry, Alan.....

Quite a few guests were present. Some of them include Mr. Harold Becker of the IREE, Ronald Socha, William Duffy, WAØFTK, Gene Hultmer, WAØCBC, Dean, KØUCL,

from Elkhorn, Alan Hollister, KØFRR, John Sinovich, KØFHN, Ken Proctor, WAØGSP, Doris, WNØGXJ, Stan, WØEKC, Jim Droege, WØYCP, Darrell, WAØHBT and others whom we've missed in our listing. Frankly we just weren't able to make out some of the names on the guest list. Some of these folks we know were from Bellevue and some from Elkhorn.

Thanks to General Motors Training Center as well as to Royal, KØLYO (who was on the sick list) and to Mr. Iver Andrews for helping us with the meeting.

During the coffee and donut session after the meeting, John Orr gave details on the "CQ Ak-Sar-Ben Contest." Further details appear in this issue of Ham Hum.

JDS



John Orr, WØPHW, speaking on Oscar program



Displaying the Fancy Ties



Group at April '64 meeting

GO PADDLE YOUR CANOE

And that's just what 128 EXPLORER SCOUTS from the South District will be doing Saturday, June 6th.

Starting around 4:30 in the morning from Camp Eagle the other side of Fremont, the relay teams will race 58½ miles down the Platte to the highway bridge on 73-75 north of Plattsmouth.

The Ak-Sar-Ben Radio Club has been asked to take part in the race and provide communications during the 15 hours it will require, ("Take part" in the race. That's a "good" choice of words. Can't you see Dick Eilers and Royal Enders each in a canoe racing each other 58½ miles down the Platte?) The only radio assignments that have been made are the nasty ones that require someone to camp out in a sleeping bag all night. More about that later.

In a nutshell, communications is needed for two purposes...

...PRIMARILY FOR SAFETY. We will have a transmitter, either a base or a mobile every 7 miles, and, ...FOR CONTROL OF THE RACE--- you know, who's winning?

The Chief Indian is Colonel L. T. Smith from SAC. He organized the project and came to us for help. Despite the fact he isn't a ham, he's a darn good egg.

The communication plan calls for four Base Stations operating off of portable generators, utilizing ground plane antennas on 25 foot telescoping towers. The BASE STATIONS will be in communications with the MOBILES and the NET CONTROL STATION on 50 mega-

cycles. Lou Dillman, WAØGMV, along with Grandma Lou, WØCCD, and Marge Kamin, KØZPX, will be ramrodding the Net Control Station. They're looking for a volunteer incidentally, to open up the station at 4:30 a.m.

Dick Eilers will be holed up in a sleeping bag at Camp Eagle and has the "honor" of reporting the race under way at 4:30 a.m. He then shags down to the Highway 77 bridge and checks the lads as they go by. Hugh Tinley will be spending the night at the Two Rivers Recreation area. He has high hopes of conning the Weather Bureau out of a plastic balloon that he can send up three thousand feet with a copper wire for an antenna. There is some doubt as to what shape he'll be in if he stays up all night and chases DX. Since he started losing his hair, acquiring a middle age spread, wearing bifocals and having trouble getting up and down curbs he has to have plenty of sack time.

Bob and Vi Margritz, WAØBIE and BID, will handle the Base Station at Highway 50 bridge where it crosses the Platte. Royal Enders, KØLYO, will handle the Base Station at Linoma.

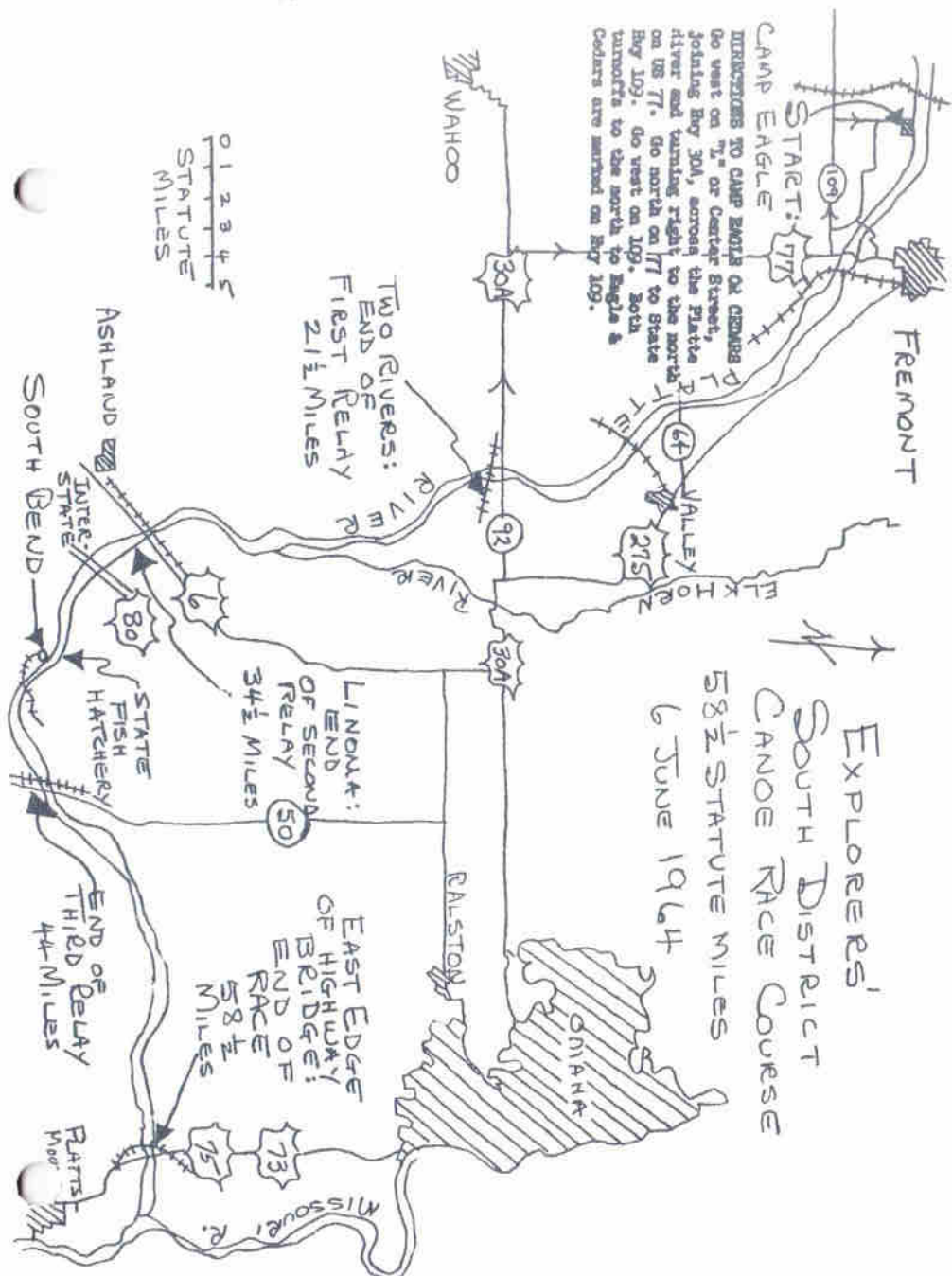
What's needed??? They need mobiles, six or eight of 'em--and riders. They need operators for the Base Station and Net Control. As usually happens, the Committee assigned themselves the nasty job.

The balance can be filled out by any of the fellows and gals who would like to take part. You can

(Article continued on Page 8)

EXPLORERS' SOUTH DISTRICT CANOE RACE COURSE

58½ STATUTE MILES
6 JUNE 1964



INSTRUCTIONS TO CAMP EAGLE OR CHANDLER
Go west on "A" or Center Street,
joining Hwy 30A, around the Platte
river and turning right to the north
on US 77. Go north on 77 to State
Hwy 109. Go west on 109. Both
turnoffs to the north to Eagle &
Chandler are marked on Hwy 109.

TWO RIVERS:
END OF
FIRST RELAY
21½ MILES

LINCOLN:
END
OF SECOND
RELAY
34½ MILES

EAST EDGE
OF HIGHWAY
BRIDGE:
END OF
RACE
58½
MILES

0 1 2 3 4 5
STATUTE
MILES

ASHLAND STATE
HATCHERY
SOUTH BEND

END OF
THIRD RELAY
44 MILES

RATTS
MOOR

pretty well match your availability with the requirement and to a great extent have your choice of assignments.

Get in touch with Grandma Lou, she's trying to make everything out even.

This is a project that was a lot of fun last year and it should be more fun this year.

K

Ø

Great

Hopeless

Knucklehead

SILENT KEY

We regret to announce the passing of Todd Storz, WØDYG, a longtime radio amateur and member of the Ak-Sar-Ben Radio Club. According to the World-Herald, his death came on Monday, April 13, 1964 at his home in Miami Beach, Florida.

Todd was well known in the Omaha area as a DXer and at one time had operated a remotely controlled station with the transmitter being at the former KOWH site at 60th and Redman and the control point at his office in the Kilpatrick Bldg. in downtown Omaha.

It may also be of interest that Todd worked some of the first 6 meter DX after this band was originally opened up in 1946. During later years he also did some work on the 144 mc. band.

John, WØWRT

Dear Ham Hum Staff:

It was a delightful surprise to find a Ham Hum in my postal box after many years which was forwarded to me through my previous Omaha address. It has been at least six years since I've been able to be active in Ham activities (by virtue of Uncle Sam and higher education) and it will be a year or so before I will be able to be on the air again although I've already begun negotiations on the subject with my newly acquired XYL. Unfortunately, our plans after leaving the University of Minnesota do not include returning to Omaha, but I was wondering if I could be carried as an inactive member even so, considering that I was once an active member. I'd very much enjoy receiving every publication of Ham Hum and keeping informed on club activities, some of the people that I remember, and the Ham World in general.

de Rod Rosse, WØBCA,
1000-8th St. S. E., Mpls.,
Minn. 55414

Note: Please drop me a note for dues if the inactive membership is alright.

FOR SALE:

Complete Radio Station:

- 1 Phasemaster II Xmtr. \$125.00
 - 1 HQ 129 X Receiver \$125.00
 - 1 458 Deluxe VFO 25.00
 - 1 Speaker No Charge
- \$275.00

Contact E. A. Stenberg, KØORM
Tekamah, Nebr.

RULES FOR CQ AK - SAR - BEN CONTEST

1. The contest is open to all members of the Ak-Sar-Ben Radio Club, Inc. or any amateur living in Douglas County, Nebraska.

It will be the responsibility of each contestant to keep an accurate contest log, in addition to the regular log. The contestant must also hold all QSL cards involved in the contest. The contest logs and cards must be available for the judges if called for.

3. To be eligible to win you must deliver to the secretary of the Ak-Sar-Ben Radio Club, Inc., P. O. Box 291, Omaha, Nebraska 68101, no later than September 30, 1964, the following:

- (a) Your total claimed score.
- (b) Your name and address.
- (c) Your call and class of license.
- (d) Indication of being a club member or not.

4. Scoring of the contest will be as follows:

- (a) 10 points for each station contacted on each band permitted by your license. Cross band operation is not allowed.
- (b) 10 points additional for each station's QSL card you receive. Only one card per station may be claimed for the contest.
- (c) 5 additional points if the station contacted is owned and operated by an Ak-Sar-Ben Radio Club member in good standing.
- (d) 50 additional points for each station contacted on the 144 mc. band or higher frequency band.
- (e) 500 points bonus if you are a

member of the Ak-Sar-Ben Radio Club, Inc. as of midnight August 30, 1964.

(f) 50 points for contacting WØEQU per day and per band.

5. Score points are valid only when the contacts originate between midnight April 30, 1964 and midnight August 30, 1964.

6. All contacts must be made within an amateur band.

7. The judges will be appointed by the Board of Trustees of the Ak-Sar-Ben Radio Club, Inc.

8. The judges will not be eligible for prizes and must be licensed Club members.

9. The judges will be the authority on acceptability of points claimed and will be responsible for interpretation of the rules. Their decisions will be final.

10. The logs and QSLs of apparent high point scoring contestants will be called for by the judges and must be delivered to the Secretary of the Ak-Sar-Ben Radio Club, Inc. before October 30, 1964 to be eligible to win. Winners will be announced at the regular December meeting of the Club.

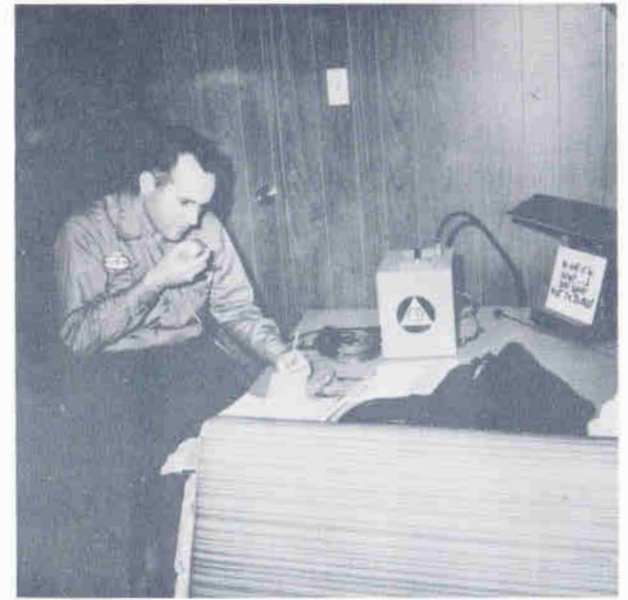
11. First prize will be a \$50.00 certificate from World Radio Laboratories for the highest point score. Second, third, fourth and fifth prizes will be certificates worth \$25.00, \$10.00, \$5.00, and \$5.00, respectively, for the next four highest point scores.



Harry Silver, WAQDJK
Ralph Erts, WQSMY
Ed Danze, WQYEV

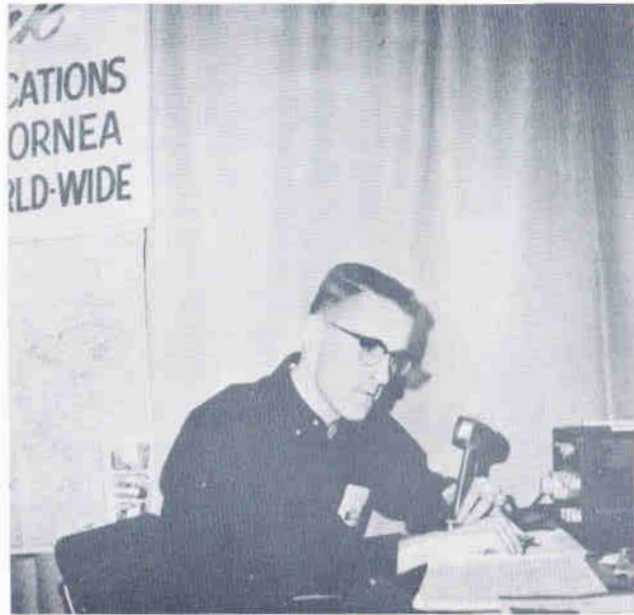


Lions Eye Bank booth at Omaha Civic Auditorium -
Home Show



John Snyder, WQWRT, at Red Cross Headquarters

Lou Theer, WQCVF



Mobiles at Red Cross parking lot for Miracle Mile



Ralph Erts, WQSMY, at Red Cross



On behalf of the Governor of the State of Nebraska, Mayor Jack S. Wilkes, Oklahoma City, Oklahoma (on the right) presents the Admiral Award in The Great Navy of the State of Nebraska to Trav Harris, K5DZV. On the left is Roy Deal, Chairman of the Mayor's Committee on Employment of the Handicapped.

Travis Harris, K5DZV, a blind amateur in Oklahoma City is one of the original members of the EYE BALL NETWORK. This group of amateurs now numbering over 100 in 31 states check in every morning and evening on 3963 kc's and exchange information on eye comeas available for transplants. When a cornea becomes available in any city, word is flashed on the Net and amateurs in other cities notify their local EYE BANK or eye doctor with whom they are in contact.

To back up a moment: Many organizations, particularly the International Association of Lions Clubs have the Eye Bank as one of their principal community efforts. Lions Club members are continually seeking pledge cards whereby individuals offer to leave their eyes at death for transplant to people who are blind and who can profit from such operation. These eye operations have been extremely successful, however, time is a precious commodity and when a pair of eyes become avail-

able, they must be rushed by the fastest means possible to the doctor and his patient. The first Eye Bank was formed in 1945 and approximately 50 transplants were performed it year. In 1964 there will be close to 2500 transplants and it won't be long, eye specialists say, before this figure will be up to one hundred thousand a year. The founder of the EYE BALL NETWORK, Ted Hunter, W0NTI, of Iowa City, an active member of the Lions Club started this Net in 1963. Last year the Net handled 138 eyes. In the first four months of 1964 it had already shipped 108 eyes. New cities and new amateurs are joining all the time.

Though blind, Travis Harris is one of the most active members of the Net. Unfortunately his sight cannot be alleviated through a corneal transplant. Travis has felt that if as a result of his activities only one blind individual could have his sight restored, all of his work as an amateur would have been worthwhile. Travis has done more than this, though unfortunately it is impossible to measure just how effective his work has been. He has been instrumental in dozens of shipments of eyes both in to his community and out. Travis is a credit both to the fraternity of amateur radio and to the Lions Club of which he is a member. His work with the EYE BALL NETWORK reached the Governor of Nebraska who recently commissioned him as an ADMIRAL in the Great Navy of the State of Nebraska.

By the looks of your paper, I think that the AK-SAR-BEN RADIO CLUB is a real goin' organization. Please continue to send me Ham Hum each month.

Thank You,
Michael Sparks, WA0FHI
1608 Pelton Ave.
Bellevue, Nebraska
(Sec-Treas. Bellevue Senior Hi Radio Club)

P.S. You might include in each paper the time and place of your meetings. Lots of people here don't know.

Dear Dear Editor:

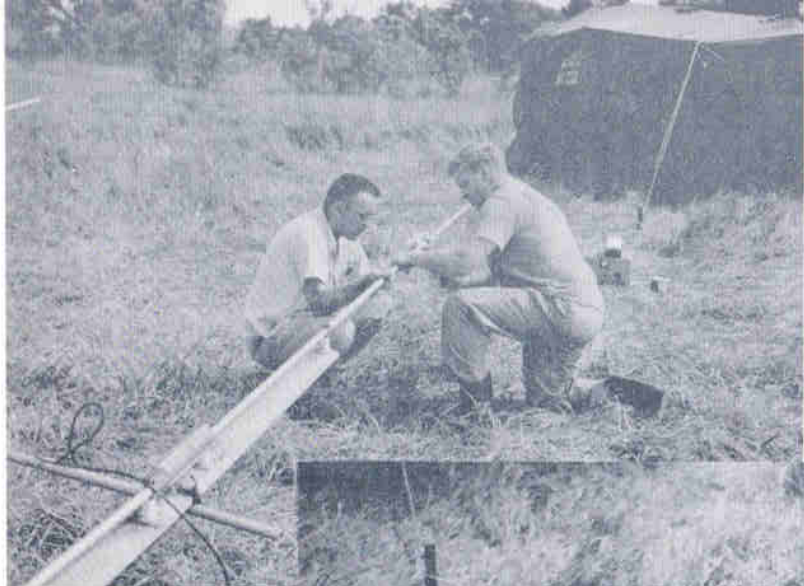
Just a line to let you know I thought the lead article in March Ham Hum by W0CQX, was tops and should qualify for an "Emmy" award.

Of course when ones hobbies become as confused as Ed's is, "its later than you think," Hi.

Art, W0FQB

I would like to request to receive the "HAM HUM" in the future. I work on Friday evenings now, but when my shift changes I would like to come to your meetings.

Thank you, 73,
Bill Dennis, K0UKN
1618 N. 61st Street
Omaha, Nebraska
68104



**FIELD DAY -
JUNE 27 & 28**



Field Day will be here next month. Royal Enders, KØLYO, is our chairman this year. We hope you will volunteer your time as we need everybody in the Club. It is imperative that we reach a higher score than Sioux City or we will lose the cup forever. We know we have better operators, better gear, better antennas, better location, and even better atmosphere than Sioux
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City, but unless we get out and do the work necessary to add up the points we can't prove it. The only reason Sioux City beat us last year and the year before is that their Club members did get out and operate all day and all night.

If you have not already contacted Royal, why not call him at home, 391-2681. Or, write your desires on the card enclosed and

mail it to P.O. Box 291. We'll look for you on Field Day as a worker, logger, operator, but mostly as a helper, and we can assure you of an enjoyable time while doing it. If you will all bring raincoats and umbrellas we can even assure you a bright sunny day and a clear night. Don't forget to contact WØEQU on Field Day. We will operate on all bands.

The Field Day site will be the Frank Latenser estate. Go north on 30th Street, take the road to Blair, and go to the intersection of County Road No. 7. Turn right and follow the signs which will direct you to the Latenser estate. (See map.)



Tnx vy much for Ham Hum. I really enjoyed it.

73's

Loyd Kallstrom, WØFNH

WANT TO SWAP

Complete Columbia University Rapid Reading course with electric reading pacer, timer, etc. Only two units used, cost \$100 new. All other units sealed in original mailing boxes. Would like VTVM, or Two Meter Transciever. Six Meter gear or ham reciever also considered. Make me an offer, if you have other stuff to trade.

Ralph, WØSMY

Phone 556-5625

NEW BOARD MEMBER

The Board of Trustees selected Fred Fisher, WØEGP, as a member of the Board to replace Wendell Larsen, WØNPA, who resigned. Upon presentation to the members at the April meeting this selection was approved.

OFFICIAL BULLETIN NR 944 FROM ARRL HEADQUARTERS NEWINGTON CONN APRIL 9, 1964 TO ALL RADIO AMATEURS BT

ARRL is assembling a full report of amateur emergency communications work in the Alaskan earthquake disaster. All amateurs in the United States and Canada are asked to supply full details of any part played by amateur radio. In reporting to ARRL please include dates, times, any pictures, news clippings or other pertinent data. Please report at once. All information should be in our hands by May one AR

SOME NOTES ON HAMMING UP A COLD

By Ralph, W0SMY

Recently I enjoyed poor health. Let me tell you about it. The whole week end I had sniffled and sneezed, sign enough that a cold was coming on. While I was lazier than usual and took one or two anti-histamine pills I really did nothing for the cold. The result was clearly evident by Monday morning. Now normally I start slow in the morning, and my speed on Monday mornings can be described by what maritime engineering officers would recognize as "dead slow." This particular Monday morning I leaped out of bed with the first shattering roar of the alarm clock, bounding across the room I shut it off. The afore-mentioned maneuver is accomplished by clearing the route the night before, as I usually do not wake up enough before ten o'clock to avoid tripping over small items of furniture, such as desks.

Instinct lead me down the hall to the bathroom. While I shaved I took a foggy inventory of my condition. Even in my blunted condition it wasn't necessary for a gong to ring, five spots to appear on my forehead and a dis-embodied voice to announce, "Oho, cold coming on." for me to realize that the cold was already there. Then came the struggle with my conscience, was I really feeling lousy enough to stay home? The answer was arrived at with due deliberation, I was. At this point I must modestly admit that I am World's Champion Conscience Struggler. I had sick leave

coming, I felt poorly, I went back to bed.

Some hours later when my help-mate awoke, and demanded "What are you doing here!", I weakly explained that the master of the house was ill, and proposed to take care of himself by doing the common sense thing, staying in bed. I bolstered this opinion by several groans.

I slept most of the morning. When I awoke I still felt too bad to get up but was restless about being in bed. Several years ago I had read an article about a chap who, in similar circumstances had brought the rig to bed side and racked up some FB QSO's. This I did not feel up to. (See, I really was sick!) And besides this the antenna was down for repair. The decision was to spend the day in "hot stove" hamming. I provided myself with the "Antenna Handbook," a sixteen ounce can of pipe mixture, a pipe, and a pot of tea.

The remainder of the day was spent in reading about transmission lines, drinking several gallons of hot tea, dozing, smoking, and shouting orders to the able bodied members of the household. I did not feel like eating, and I didn't. In spite of the fact that my head felt like it had been used to win a national bowling championship, and my nose leaked like a dollar fifty rain coat I enjoyed myself.

Now every tale must have a moral, and this one has. I have found that if I take care of a cold

as described above I can go back to work the next day and do the job; I am back at peak efficiency. If not, I drag around the job doing less than nothing and spread gems like they were going out of style. My system of cold therapy has the endorsement of several of my friends in the medical profession, and has some dandy bonus features.

First of all it helps the cold. Secondly it makes the family appreciate the fact that you are not home during the week every day. And lastly, it will give you some idea of what goes on in your rig.

My prescription then - Go to bed, drink plenty of liquid, (I have it on reasonably reliable authority that beer is excellent) and do some "hot stove hamming" with the "Handbook" or some other ham book. It will improve your cold and your hobby. Sound technical knowledge is the strength of amateur radio.

**OFFICIAL BULLETIN NR 935
FROM ARRL HEADQUARTERS
NEWINGTON CONN FEB 6 1964
TO ALL RADIO AMATEURS BT**

A new temporary third party traffic agreement has been announced whereby amateurs in the United States may handle unimportant personal messages on behalf of third parties with amateur station 4U1ITU in Geneva, Switzerland, during the period January 27 through July 31, 1964. This bulletin supersedes Official Bulletin Number 904 dated July 3, 1963 concerning 4U1ITU AR

Dear Sirs,

I enjoyed your Ham Hum magazine you sent me recently. I am not a member of your club, but I would appreciate your sending me more copies. If there is a charge I am willing to pay if it isn't too large.

Sincerely yours,
Roger Sullivan, WAØETE
4002 Vernon Ave.
Omaha, Nebraska 68111

Dear Editor:

Will you please print this in your Ham Hum- needed badly- ANY pieces of Ham gear that some kind people will donate to the Shriner's Hospital for Crippled Children, Roosevelt Blvd & Pennypack Circle, Philadelphia, Pa. They are going to teach these children to be good Hams. Lets help in the name of our crew.

Sincerely,
Grandma Lou

FOR SALE

TC-6A and AC power supply \$35,
Heath Twoer \$25, Shopmate soldering gun \$3. Harry I. Silver, WAØDJK, 6611 Seward, 551-0369 or see me at club meeting.

Harry Silver, WAØDJK
6611 Seward Street
Omaha, Nebraska 68104

EDITORIAL

The Art of Learning

You may say, "What importance lies in knowing how my transmitter, receiver and antenna system works?" Admittedly, one does not necessarily have to understand the technical side of this electronic pasttime. You can "squeak" by, if you do nothing but operate your rig and have someone else make your repairs when the system breaks down or does not function properly. But, are you really getting the most out of your ham hobby, with this lack of skill and knowledge? How about the conversations over the air and at club meetings? How do you stack up during discussions related to basic technical topics?

The greatest reward experienced by the ham technician, can come through "firing-up" a piece of home constructed equipment. Starting with simple circuitry such as code monitors, simple converters and receivers, antennas, low pass filters and modulators, can lead to the ultimate reward gained through building and operating a home brewed station.

You younger fellows - Maybe you'll be in a branch of our military service at some future date. A good amateur radio background in operating procedure and technical know how, can mean an opportunity in military service, above average. Furthermore, "he who hasn't smelled the delicate aroma of hot soldering flux at midnight", has missed one of the greatest meanings of Amateur Radio.

The more you learn, the better equipped you are to help others in

your area. The more knowledge they in turn possess, the better our overall ham fraternity will be.

This knowledge comes easily and at minimum expense. You'd be surprised at the rapid results one can experience through reading the various handbooks, for as little as a half an hour each day. Theory alone however, is not enough. The soldering iron, diagonal cutters, long nosed pliers and screw driver must come into play also. The price of subscriptions to such ham journals as QST, CQ and 73, are well worth the small fee involved. What better source of practical knowledge can be offered for so little?

de VHFer - W8HHS

WHY STACK?

A single bay of antenna for VHF will frequently do an acceptable job for DX work. This depends of course on the type of beam and it's gain.

Many operators do not know the advantages of beam stacking beyond the theoretical 3 DB of gain resulting from this act.

In practice, it is not uncommon to experience several more DBs of apparent gain when adding another bay. Lowered angle of radiation results (giving better ground wave coverage) and increased "capture area" (or aperture) results, which greatly aids weak signal reception.

Don't miss the advantages of dual or quad array stacking. You can gain power easier through the medium, than by increasing transmitter power.

de W8HHS, VHFer



Building designed by Lou Cutler, WØVLI

We of General Communications Company, Inc., are pleased to announce the opening of our new service facilities at 827 South 20th Street, Omaha, Nebraska. This is the most modern, specially designed, maintenance facility catering to commercial two-way radio users - in this part of the country, and we enjoy showing people around through it. Please feel free to drop in at any time.

**OFFICIAL BULLETIN NR 946
FROM ARRL HEADQUARTERS
NEWINGTON CONN APRIL 23, 1964
TO ALL RADIO AMATEURS \overline{BT}**

On Armed Forces Day May 16 and 17, WØAUU/Ø Davenport, Iowa will operate on 6 meters for a 24 hour period beginning at 0601 GMT May 16. Operation will be on 50.1 Mc., tuning from 50.1 to 52 Mc for phone, and 15 w.p.m. c.w. tuning from 50 to 50.1 Mc. For special QSL cards you are requested to give your full name and address when contact is established \overline{AR}

ARRL OES; Pse pass news of above around on VHF. Tks--73. F.E.H.

Dear Editor:

I have a Heathkit sixer with power supply in wonderful condition. Has been tried on our 6 el. beam and can reach St. Joe with an S9 signal. If you're interested contact Grandma Lou, WØCCD, 556-4139.

**OFFICIAL BULLETIN NR 938
FROM ARRL HEADQUARTERS
NEWINGTON CONN FEB 27 1964
TO ALL RADIO AMATEURS \overline{BT}**

Attention DXers. Announcement is hereby made of the addition to the ARRL Countries List of the Crozet Islands. The Crozet Islands are located in the South Indian Ocean approximately 750 miles west northwest of the Kerguelen Islands. Confirmations for the Crozet Islands may be submitted starting June 1, 1964. April 1964 QST will carry further details \overline{AR}

**OFFICIAL BULLETIN NR 943
FROM ARRL HEADQUARTERS
NEWINGTON CONN APRIL 2, 1964**

Amateurs are reminded that applications for new, renewed or modified licenses must now be accompanied by a check or money order payable to the Federal Communications Commission. The fee is four dollars for new, renewed, or renewed and modified licenses; two dollars for modification only, such as change of address, and twenty dollars for special call signs. No charge is made for Novice licenses, RACES authorizations or military recreation stations. All applications must be on FCC Form 610 dated August 1963, older forms may not be used. Except where FCC-supervised exams are involved, applications should be sent to the FCC, Gettysburg, Pennsylvania 17325 \overline{AR}

**OFFICIAL BULLETIN NR 945
FROM ARRL HEADQUARTERS
NEWINGTON CONN APRIL 16, 1964**

All amateurs located in the ARRL field organization, individuals as well as clubs and groups, are invited to participate in the annual Field Day June 27 and 28. This annual exercise of emergency powered equipment is the ideal time to test gear such as generators, batteries, mobiles and portable rigs. Convenient log forms and summary sheets are now available on request from the ARRL Communication Department, 225 Main Street, Newington, Connecticut 06111. Official rules will appear in June QST \overline{AR}
