



HAM HUM

Published by
AK-SAR-BEN AMATEUR RADIO CLUB, INC.
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Vol. XXXII
No. 8

August 1982



ALONG
LEAGUE
LINES

It was 1913, and a severe windstorm left a large portion of the midwest totally isolated. Amateur Radio operators at the University of Michigan and Ohio State University, along with other individual amateurs, successfully bridged the communications gap with the outside world. This was the first known instance of Amateur Radio emergency communications, which has been followed by countless others over the years, everything from an overseas earthquake to a fender-bender on the interstate.

In the early days such emergency work was spontaneous but without any organization. Seeing this void, the League created a vast field organization of *volunteer* Amateur Radio operators serving the public. This organization is implemented today through the Amateur Radio Emergency Service (ARES) and the National Traffic System (NTS).

The ARES now consists of approximately 70,000 licensed Amateur Radio operators who have registered their availability for emergency operation at the local level. These amateurs are directed by local and district emergency coordinators in each state and Canadian province.

NTS is a daily operating organization for handling medium and long-distance written standard formatted messages (radiograms). NTS consists of a vast web of interconnected networks (nets) at four levels, meeting on a 365-day-per-year schedule, which provides for the systematic flow of amateur message traffic from point of origin to point of delivery from coast to coast. In an emergency, NTS "cycles" are expanded as necessary.

de AMATEURADIO

A Publication of ARRL, Inc.

Interested? Contact your
Section Emergency Coordinator or SCM.

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.

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Dues-Annual Basis

(Due and Payable each January 1.)

New member initiation fee ... \$ 1.00
Regular member \$10.00
Regular member and spouse ..\$12.00
Student member \$ 4.00

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Dues-Quarterly Basis (For each quarter or part thereof for balance of calendar year.)

New member initiation fee\$1.00
Regular member\$3.00
Regular member and spouse ..\$3.60
Student member\$1.05

NEXT MEETING

WHEN: FRIDAY, August 13, 1982
TIME: 7:30 P.M.
WHERE: HEARTLAND CHAPTER
AMERICAN RED CROSS
38th and DEWEY AVENUE
OMAHA, NE 68105
PROGRAM: **WESTERN ELECTRIC'S —
"TELECOMMUNICATIONS
IN THE 80's"**

COME — JOIN THE GANG FOR EYEBALL QSO's,
INFORMATION, HOSPITALITY AND LOTS OF RAG-
CHEWING WITH HOT OR COLD REFRESHMENTS
AFTERWARDS!

THE PREZ SEZ

Although Mother Nature decided to make her presence known during our July meeting at Cox Cable Company through a "Severe Weather Watch," the tours and program were impressive to all. Over 100 members took part in the tour, with about 75 to 80 proceeding to the Program Studio site at 26th & Farnam Streets. My grateful thanks and apologies to the 15 or so club members who left to man "watch points." A sincere thank you goes to Frank (WAIØWF) and all the fine people there who made our evening out one to be remembered!

As indicated at the beginning of the year, your Suggestion Box items have been receiving attention, or at least some of them, anyway! The Board will give consideration to all that are dropped into the Suggestion Box. Get your ideas together and let us know what you desire. IF NOT YOU, WHO???

Want to be an "Elmer"? For further explanation and information read the article in this issue, giving the details. Also for your information, a listing of all Club Equipment is furnished elsewhere in this issue. Both of these ideas come from the Suggestion Box.

For all of you that are interested in DXing, WB8ZRL - Tom Vavra gives the latest on Monday evenings at 9 PM, on KØBOY's repeater (145.45)—Drop by and give a listen.

Your attention is called to the date of August 22nd!!! Yes, that's right, its the date of our Annual

Club Picnic at Maybry Park in Carter Lake, Iowa, starting at 11 AM—but WE STILL NEED A PICNIC CHAIRPERSON, or someone to coordinate the covered dishes and other goodies. Again the Club will furnish the meat, drink, plates and utensils. As previously announced - there will be live entertainment and some surprises! If you have something for a Flea Market, bring it and a table to display it on. Chuck (KCØDB) is going to Minnesota that week and has promised to take all the rain with him, so lets all turn out on the 22nd of August for a great Club Picnic. THIS WILL BE DISCUSSED FURTHER AT THE AUGUST GENERAL BUSINESS MEETING.

On the THIRD FRIDAY of September (17th) - Jim Wilson (WBØJPN) and the gang are having a FIRST ANNUAL RADIO CLUB DANCE/SOCIAL at the Millard Legion Club in lieu of our regular Club meeting. Lets all get behind this and make it another Gala Event to remember.

So much for now, but watch for further exciting events coming up in the future. Till then,

73's
de Walt KAØDMB

CONSIDERATION —

To know what to do is wisdom,
To know how to do it is skill,
To do a thing as a thing should be done is service.

**MINUTES OF THE BOARD OF TRUSTEES MEETING
held on July 6, 1982, at the Blue Cross/Blue Shield Building
at 19:30 hours.**

Board Members present: Walt Brown, KAØDMB; President; Mitch Gagne, NØAZF; Chuch Hoffman, WBØNVL; Ray Fink, WDØGIL; Dick Fehrman, KAØAAB; Frank Bruner, KØSST; Jim Sanford, NØAIH; Fred Genovesi, KAØKDJ; Jim Wilson, WBØJPN; Lysle Renne, NØCKH.

Minutes of the previous Board meeting were approved as printed in the July issue of Ham-Hum.

Moved and seconded that the Treasurer's report as presented by Treasurer Dick Fehrman, KAØAAB, be approved.

Moved and seconded that Bill Martin, NØANQ, be reimbursed \$61.46, to be charged to the general Field Day expenses.

Due to the lateness of the hour, it was moved and seconded that discussion on Field Day 1983 be tabled until a later meeting.

After considerable discussion, it is to be made a matter of record that Jim Wilson, WBØJPN, Dick Fehrman, KAØAAB, and Bill Martin, NØANQ, were opposed to a letter written as the result of a directive issued at a special Board meeting held on June 19, 1982.

There being no further reason to tarry, the meeting was adjourned at 20:55 hours.

Respectfully submitted,
Lysle Renne, NØCKH
Secretary

**AK-SAR-BEN AMATEUR RADIO CLUB, INC.
Notes from the Special Board Meeting
Held June 19, 1982**

Members present were Walt Brown, KAØDMB; Frank Bruner, KØSST; Ray Fink, WDØGIL; Fred Genovesi, KAØKDJ; Jim Sanford, NØAIH; Mitch Gagne, NØAZF; Lysle Renne, NØCKH, host.

Matters discussed included Insurance, Long Range Planning Committee and Equipment Committee reports.

It was moved and seconded that the Club reject the proposal for General Comprehensive insurance from ARRL.

After a report by the Equipment Committee and with the approval of those Board members present, the Secretary composed and caused to be mailed on July 1, 1982 a letter requesting the return to a Board representative of certain Club owned equipment.

Respectfully submitted:
Lysle Renne, NØCKH
Secretary

NOTES FROM THE GENERAL MEMBERSHIP MEETING

Held July 9, 1982, at Cox Cable Facilities, 2615 Farnam St., Omaha, Nebraska

After an interesting tour of the operating facilities of Cox Cable, President Walt Brown, KAØDMB, called the meeting to order at 20:00 hours.

The first order of business was the announcement of a weather alert which resulted in 10 to 15 ARES members leaving to man watch points, or to take part in the alert activities.

Several visitors to the meeting introduced themselves.

Minutes of the previous General meeting were approved.

Membership applicatons were read and accepted from the following: WDØDQL, James R. Nelson, Technician Class; KAØOGP, Otto May, Novice Class; KB8TR, Merlin J. Nichols, Advance Class; N8DWU, Chad Nichols, Technician Class; (the last two are father and son) NØDGM, Betty Pinkerton, General Class; WAØCQS, Douglas Marsh, General Class.

To the recipients present, President Walt passed out Auction and Field Day Appreciation Certificates.

It was moved and seconded that the regular order of business be suspended and that we proceed with the program.

Frank Wolczak, WAØIWF, and several of his co-workers presented their program of facts, details, questions and answers concerning the operation of cable TV and the relationship and care taken to prevent conflict among the users of various frequencies. It was pointed out that there are three or four ham operators working for Cox Cable.

President Walt, with the able assistance of a young miss named Paula, presented door prizes to Nancy Genovesi, Harold McClenehan, Dave Rankin, Dale Hesston, Jim Peterson, Eric Peterson, (no relation) Bob Lockwood, Tex Pedigo, Frank Clayton, and Dennis Godek.

FCC, having been in town July 8th, Larry Merriman, KAØDKP, is looking for a new call to go with his upgrade to Extra Class. 1982 Field Day Novice Shack Chairman Joe Pierson, KAØLQC, announced he has upgraded to General Class. Brand new member Betty Pinkerton, NØDGM, is a brand new General Class.

Punch, coffee, donuts, and cookies followed.

Respectfully submitted,
Lysle Renne, NØCKH
Secretary

CHANGE OF NAME

From Verla Kay Larwick to
Verla Kay Barret, KAØBDM
3324 S. 84 Ave., Apt. # 2
Omaha, NE 68124
Phone: 397-2882

CHANGE IN PHONE

David M. Winchell, KAØHLY
from 572-6705 to 558-5702

DX ANYONE?

THE QSL BUREAU. What is it? How does it work? There are numerous QSL bureaus throughout the world. Some are privately operated; most, however, are organized and operated through the auspices of an amateur radio organization, i.e., ARRL for the U.S.

The QSL bureau consists of an "incoming" and "outgoing" section. I'll be writing about the "incoming" QSL bureau this month, in particular our Ø QSL Bureau.

Simply stated, the incoming bureau is where the outgoing QSL bureaus throughout the world send their Amateur and SWL QSL cards. Profound, huh?

Now that I've disposed of the "what" so **simply**, on to the "how."

As the shipments of DX cards are received by ARRL, they are sorted according to call district and sent to each district's incoming bureau. When the district bureau receives the cards, they are then sorted according to the first letter of the receiving amateur's suffix.

These cards are then given to another sorter who will sort the cards according to the complete call sign and (if the amateur has envelopes and sufficient postage on file with his particular sorter) mailed to those who have been waiting so patiently, impatiently?

That should take care of "how." It should also be mentioned about the considerable time and effort expended by those who keep our Ø QSL Bureau running so efficiently. Those who manage the bureau and the individual sorters **all** devote their time voluntarily, receiving only our thanks for providing the DXer with this service.

The place? 8003 Farnam Drive. There reside Charlie Rodgers WØQQN, his XYL Alma (the real boss), two cats, and the 80 foot landmark. If you would like to know more about the Ø QSL Bureau, write to Charlie and Alma but, better yet, take time and drop in to the above address. I guarantee you will get the 25¢ tour. Charlie advertises, "The coffee pot is always on." Your visit will be interesting, informative and thoroughly enjoyable.

By now everyone should know that China is on the air. Although few U.S. Hams have worked them, it won't be long before we all have a better crack at "BY." There should be three active club stations operating from China by early '83, CW only—that's **not** Country Western, Mikey.

VKØ Heard Island is still a "go" with operation hopefully in January 83.

73's es Gud DXing
de KCØDB

CHANGE OF ADDRESS

Jon J. Penner, WBØGQT
13352 Maham Rd., Apt. # 283
Dallas, TX 75240
Phone # 214-669-2554

Bill J. Fehrman, KAØAAA
3805 - 27th St., Apt. # 5
Columbus, NE 68601
Phone # 402-564-3478

BE AN ELMER

The Club is looking for members who would be interested and willing to share their knowledge in electronics with other club members on a "1-on-1" basis.

We have members looking for instruction and guidance in the following areas:

O-Scopes, VOMS, Signal Generators, etc.

There will be a sign-up sheet at the August Club meeting for

those of you who are willing to participate in this activity.

We would like to publish a list of willing instructors in future issues of Ham Hum. This may prove to be a very successful program and we hope to see a lot of participation.

The idea for this program came as a result of suggestions received in our Suggestion Box that is available at all Club meetings.

The Board

ARE YOU ANY OF THESE?

THRIFTY HAM . . . One who goes to a SWAP Fest just to look, with no money.

DIPLOMATIC HAM . . . One who convinces YL he needs more time in the hamshack.

BOILED HAM . . . One who forgot sunscreen at local picnic and swapfest.

SMOKED HAM . . . One who forgot to ground his antenna during Thunderstorm.

LONELY HAM . . . One who has rig in shop.

WORRIED HAM . . . One whose tower just fell across neighbor's house.

NERVOUS HAM . . . One who has just received his first pink ticket.

IGNORANT HAM . . . One who believes the Woulf Houg is going to get him.

LAZY HAM . . . One that spends 5 hours devising way to avoid 5 minute job on committee.

From QRZ
GRID LEAK

EQUIPMENT COMMITTEE REPORT

In response to a request that appeared in the Club Suggestion Box, the following equipment inventory was reported to the Board during the January 1982 Board Meeting:

- | | |
|---|------------------------|
| Icom 22S 2-Meter Transceiver | NWS |
| Icom 22S 2-Meter Transceiver | Red Cross |
| Icom 22S 2-Meter Transceiver | Sarpy Count EOC |
| Clegg 220 Mhz Transceiver | NWS |
| Clegg 220 Mhz Transceiver | Red Cross |
| Clegg 220 Mhz Transceiver | Sarpy County EOC |
| Clegg 220 Mhz Transceiver | KØPQR |
| (1) G.E. Progress Line Porta-Peter | WØYZV |
| 220 Mhz Transceiver w/remote control | Douglas County EOC |
| 2-Meter Transceiver w/remote control | Douglas County EOC |
| SpecCom 2-Meter Repeater | Channel 6, Crown Point |
| 2-Meter Repeater Xmitter w/power supply | Channel 6 |
| 2-Meter repeater receiver | Woodmen Bldg. |
| (2) 220 Mhz repeater | Channel 6, Crown Point |
| Measurement Corp Mod 80 Sig Generator | WBØLYU |
| (3) Model 28 ASR TeleType | J.C.C. |
| (2) HyGain 11-Element 2-Meter beam | NWS |
| (2) Model AR-22 Rotor w/Controller | NWS |
| 12VDC @ 12 Amp power supply | NWS |
| 12VDC @ 12 Amp power supply | Red Cross |
| 12VDC @ 12 Amp power supply | Sarpy County EOC |
| 12VDC @ 12 Amp power supply | WØYZV |
| Motorola monolithic filter | Woodmen Bldg. |
| Db Products Cacity (2-each) | Channel 6, Crown Point |
| Control Receiver w/control & logic | Channel 6, Crown Point |
| Control Receiver w/control & logic | Channel 6 |
| Band-Splitter/Filters (2-each) | Channel 6 |
| (4) HAL Mod ST-5 TU w/ AFSK & Autostart | J.C.C. |
| Cushcraft 2-Meter Ringo-Ranger | Nat'l Guard Bldg |
| 2-Meter 4-Pole antenna | Red Cross |
| (1) Cushcraft 2-Meter Ringo (2-each) | Porta-peter |
| Phelps-Dodge 2-Meter antenna | Woodmen Bldg. |
| Phelps Dodge 2-Meter antenna | Channel 6, Crown Point |
| (5) 40-Foot telescoping mast | Sarpy County EOC |
| Sinclair Duplexer | Channel 6, Crown Point |
| 220 Mhz Ringo Antenna | Channel 6, Crown Point |
| 120/240 Volt, 15KW E/G Trailer | WØYZV Warehouse |
| 120 Volt, 3KW E/G Trailer | WØYZV Warehouse |
| Antenna Trailer | WØYZV Warehouse |
| HyGain TH6-DXX Antenna | WØYZV Warehouse |
| Hustler 2-Meter CoLinear | Douglas County EOC |
| Hustler 220 Mhz CoLinear | Douglas County EOC |
| Cushcraft 2-Meter Ringo | Offutt Tower |
| HyGain 2-Meter Ringo | NWS |
| Cushcraft 220Mhz Ringo Ranger | NWS |
| Cushcraft 2-Meter Ringo | Sarpy County EOC |

HyGain 11-Element 2-Meter antenna
220 Mhz Phelps Dodge SuperStationmaster

Sarpy County EOC
Channel 6, Crown Point

The following items are stored in the Antenna Trailer;

'00 Ft 14/3 power cord, yellow	3-inch
100 Ft 10/3 power cord, black	5-inch
50 Ft 10/3 power cord, black	2-each
100 Ft RG-8 Coaxial cable	3-each
50 Ft RG-8 Coaxial cable	4-each
50 Ft RG-58 Coaxial cable	1-each
50 Ft guy cable, stainless steel	16-each
100 Ft rotor cable	5-each
Cushcraft DX-120 2-Meter Antenna	
HyGain 11-element 2-Meter antenna	
Cushcraft 220 Mhz Ringo Ranger	
JyGain TH-3 tri-band beam	2-each
HyGain 6-element 6-Meter beam	
HyGain 8-element 2-Meter beam	
Miscellaneous di-pole antennas	4-each
Eight-man wall tent w/poles and strokes	
250-Watt 120 VAC HPS light fixtures	2-each
Six-foot folding table	
Five-gallon gas cans, one w/spout	2-each
Spare tire, jack and lug wrench	
Copper-clad ground rod	6-each
Container, miscellaneous hardware	
Container, miscellaneous RF connectors	
100 Ft nylon rope	2-coils
50 Ft Nylon rope	2-coils
50 Ft Hemp rope	
35 Ft Rohn #25G towers w/bases	2-each
Rotors and controllers	4-each
Steel guy-stakes	12-each
ten-pound hammer	1-each
Other miscellaneous accessories	

Numbers appearing in () at the left of the description should have the following foot-notes applied;

- (1) Property of WAØGEH
- (2) Currently at NØAIH for maintenance
- (3) Typing subassembly in possession of WBØLYU
- (4) In possession of WBØLYU
- (5) Property of NØAIH

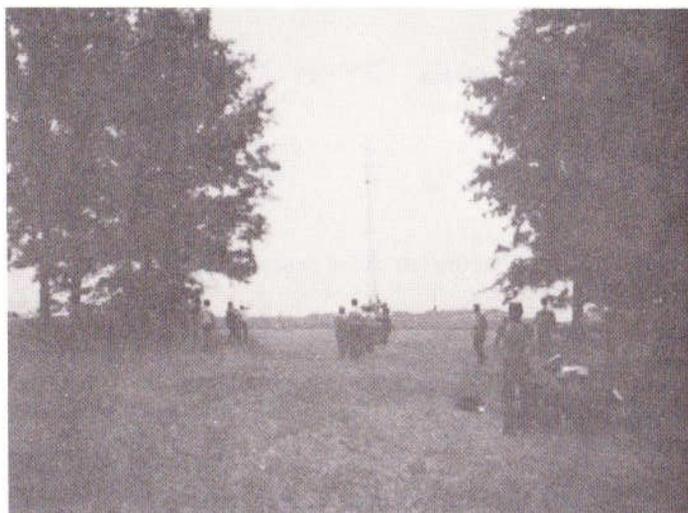
Anyone having knowledge of omissions, or corrections to this Equipment Committee Report should contact a member of the Board, or your Equipment Committee Chairperson.

NØAIH

FIELD DAY 1982



Field Day 1982



Field Day 1982
Lowering Antenna



**Field Day 1982
Chow time**

PROGRAMS

HERE ARE THE PROGRAMS FOR THE REMAINDER OF THE YEAR.
I hope you will find them very interesting.

- AUGUST 13 TELECOMMUNICATIONS IN THE 80's
all about lasers and bubble memories
- SEPTEMBER 17 BIG CLUB DANCE AT MILLARD LEGION.
This is the third Friday, so don't forget to be there.
- OCTOBER 8 ELECTRONIC AIDS TO AVIATION
by Kay Ramsey, W0SBZ
- NOVEMBER 12 AIRBORNE COMBAT ELECTRONICS
by Lou Cutler, W0VLI
- DECEMBER 10 ELECTION OF OFFICERS

SEE YOU THERE!

de Jim WB0JPN

NEW FEATURES ON REPEATERS

As of Field Day, 34-94 has a new gadget on it. It's called a Ker-Chunk eliminator. It operates the same as KØBOY's. He has had his on for a long time and seems to like it (correct me if I'm wrong, Doug.) What it does is: If the repeater has been idle for a while it will take a second or so after you key your transmitter before the repeater turns on. This means that if you wish to call someone you must key for a second or so before you call or the first second won't get through the repeater.

Once the repeater is activated it will work as it always has until it goes idle for a minute or more. Its main purpose is to keep short duration static bursts, etc., from bringing up the repeater unnecessarily. (It also has the pleasant side effect of frustrating button pushers and makes them easier to find.) Overall, it should make .94 more peaceful and easier to monitor.

Secondly, its operation has proved so successful that it has also been installed on the 146.4 and 147.6 receivers of the 147.00 repeater.

The easiest way to get around the time delay is, when you call someone, give their call twice. The second one will make it past the delay.

de John WBØCMC

NEW MEMBERS ADDITION TO ROSTER

Otto May, KAØOGP
2725 S. 16
Omaha, NE 68108
Phone: 341-0910

Chad R. Nichols, N8DWU
1635 Peterson Dr.
Omaha, NE 68130
Phone: 333-9412

Betty J. Pinkerton, NØDGM
Rt. 1, Box # 4
Elmwood, NE 68349
Phone: 994-5885

James R. Nelson, WDØDQL
750 S. Adams
Papillion, NE 68046
Phone: 339-8094
Work: 294-6320

Merlin J. Nichols, KB8TR
1635 Peterson Dr.
Omaha, NE 68130
Phone: 333-9412

Douglas L. Marsh, WAØCQS
5827 S. 93
Omaha, Ne 68127
Phone: 339-6608
Work: 422-2581

DONATIONS

34/94 REPEATER
Parley Applegate, WDØENB
Douglas Marsh, WAØCQS

RB Associates

R. H. BRENNEMAN

COMMUNICATIONS CONSULTANTS
ENGINEERING SERVICES
(712) 323-1390

W Ø U Q J

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COMING ATTRACTION!

AK-SAR-BEN AMATEUR RADIO CLUB

DANCE/SOCIAL

September 17, 1982

American Legion
Millard

FULL DETAILS AT AUGUST CLUB MEETING AND IN SEPTEMBER
HAM HUM

Field Day Report

The UNOFFICIAL 1982 Field Day results are in. The following has been submitted to the League for consideration;

BAND	CW QSOs	PHONE QSOs
80	16	256
40	42	600
20	286	623
15	39	40
10		75
6	2	80
2	5	34
TOTALS	390	1,708
APPLY MULTIPLIERS (X2) 780		(X1) 1,708
TOTAL QSO POINTS	2,488	
APPLY DC INPUT MULTIPLIER (X2)	4,976	
ADD BONUS POINTS CLAIMED	340	
UNOFFICIAL POINTS CLAIMED	5,316	

Respectfully Submitted,

Jim Sanford, NØAIH
Field Day Chairman

Mitch Gagne, NØAZF
Field Day Chairman

HAM HUM SWAP

**NO CHARGE FOR ADS (NON-COMMERCIAL) SUBJECT TO SPACE
LIMITATION. MUST BE SUBMITTED IN WRITING TO P.O. BOX 291.
SEE COPY DEADLINE PAGE 2.**

FOR SALE: QRP XCVR Argonaut 509, w/cw filter, cali &
pwr supply. \$225
Keyer, Ten-Tec KR-20A. \$25
14 el Hy-Gain 2m beam. \$10
2m Ringo Ranger. \$10

JERRY MILLER, WBØMMA, 291-8480

CODE AND THEORY CLASSES (Novice License Only)

September 6 through November 22
(12 weeks only)

MONDAYS
HIGH SCHOOL BUILDING
BOYS TOWN CAMPUS

Materials needed:

Ameco Ametuer Radio Theory Course Book

License Manual

Supplemental materials:

Q & A Manual for the Novice License

