



HAM HUM

Published by
AK-SAR-BEN AMATEUR RADIO CLUB, INC.
Post Office Box 291 — Downtown Station
Omaha, Nebraska 68101



November 1979

Vol. XXIX
No. 11

OMAHA AMATEUR CENTER INC.

2565 Dodge Street Omaha, Nebraska 68131 (402) 346-5530



NEW IC-551 6M TRANSCEIVER



POPULAR HF TRANSCEIVER



HAM HUM is the official organ of the Ak-Sar-Ben Amateur Radio Club, Inc., of Omaha, Nebraska, mailed monthly to all members and to others upon request.

Full permission is granted for reprinting articles appearing in this official organ provided a credit line is given to HAM HUM and in reprinting, to the author and publication from which the article was taken.



Published by:
AK-SAR-BEN AMATEUR RADIO CLUB, INC.
 Post Office Box 291
 Omaha, Nebraska 68101

President Thomas L. Thiessen, KØPQR
 Phone: 556-9120
 Editor Dick Eilers, WØYZV
 Res.: 397-3999
 Phones: Bus.: 342-1402, X-200
 Assistant Editor . . . John Snyder, WØWRT
 Res.: 556-1538
 Phones: Bus.: 397-3000, X-3542

Copy deadline for Dec. issue is Nov. 20th

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

Dues-Quarterly Basis (1-0 of 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

DATE: Tuesday, November 13, 1979
TIME: 7:30 P.M.
PLACE: JEWISH COMMUNITY CENTER
 333 South 132nd Street, Omaha, NE
PROGRAM: ANTENNAS, GAIN AND POLARIZATION

Probably no subject has been so thoroughly discussed, yet remains so thoroughly misunderstood. Join us as Roger A. Cox, WBØDGF, of the Hy-Gain Company sets the record straight with the aid of a very effective visual demonstration.

73s. Hope to see you at the next meeting.

Tom, KØPQR

THE PREZ SEZ

I find it almost unbelievable how quickly time has passed this year. As I near the end of my term, it has come time once again to follow the Bylaws of our Club and gather together two or more of the past Club Presidents, along with myself, to form a Committee for the purpose of selecting a slate of candidates to be placed in nomination for your Club officers next year. I have invited all Past Presidents still active in Club affairs to participate on this Committee. If they all participate, a total of 11 will be involved in the selection process. The Nominating Committee is scheduled to meet on Tuesday, October 30th. Hopefully, the slate of nominees will be selected in time for publication in this issue of Ham Hum.

This method of nomination has come under severe criticism in recent years. At one time, I was one of the most vocal opponents of our present system. I always have, and still do, firmly believe in the totally open election concept. Nothing short of a total rewrite of our Bylaws and Articles of Incorporation on file with the State, can alter the present system, however. Serving on the Board of Trustees for two years, as Vice President for a year, and now as President for a year, has certainly been an education for me. The experience has altered my attitude toward our election system. I now have a much better understanding of the wisdom of our Club founders when they established it.

While our Club, at times, takes on all the aspects of being a business, it is not. It is, what it started out to be, a voluntary fraternal organization.

The leaders can't order anyone to do anything. While our membership is quite large, the percentage of what I call the "doers" remains small. Nothing is more frustrating for an active Club officer, or Board member, than to be confronted with constituents who for whatever reason do not take an active part.

I am sure that nominations from the floor will continue; in fact, I encourage them. Very soon now, a floor nominee is going to win. It almost happened last year. Four votes was the losing margin. All I can ask is that if you intend to nominate someone from the floor, please put the same thought into your choice that the Nominating Committee puts into theirs. Make sure your candidate is not only willing to serve, but really wants to serve. Give some thought to the makeup and balance of the Board. These fellows are going to have to work together for a long time. Having a Board made up from various vocational backgrounds is very desirable. In addition to individuals with electronic knowledge, persons with bookkeeping, tax law, business management, artwork, printing, and writing backgrounds can be of great value to any future Board.

There is no substitute for good ol' common sense. One foot firmly planted in Club history and tradition doesn't hurt either. The future of your Club is yours to make. Select your candidates wisely, and be sure to cast your vote, as the election outcome is definitely not predetermined.

I will close this month with a look at Barth's second law of Distinction which states, "There are four kinds

(Continued on next page)

(Continued from page 3)

of people: those who sit quietly and do nothing, those who talk about sitting quietly and doing nothing, those who talk about doing things, and those who do things."

73s. Hope to see everyone at the next meeting.

Tom, KØPQR

CQ FOR SHRINERS

Tangier Temple of the Shriners is planning a club of ham radio operators who are Shrine members. If interested, call Bert Walker at 331-87 or Sam Kaplan at 551-5658, both numbers after 6:00 PM.

de Sam, WDØBVH

VISIT OF POPE JOHN PAUL II AT DES MOINES AIRPORT — OCTOBER 4, 1979



1st row — WØZZM

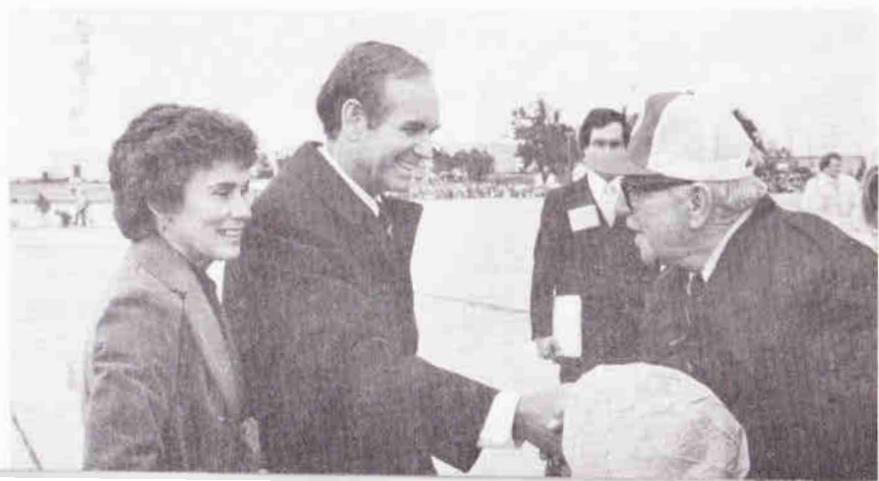
2nd row on knees (left to right) — WØOIC, AKØQ, WDØDOK, WBØVLL, WBØYOD, WDØGIL, WBØBLR, WBØZWE, WBØMUB, WAØRVD

Back row standing (left to right) — WBØNVL, WDØBVG, WBØWOE, WBØMBZ, WBØRMN, WBØVUI, WDØCPD, WBØQAM, WAØZUR, KØLHW, WBØBO, WBØMTZ, WBØGXD, WAØDEI, WAØHKT

3 amateur radio operators not present for picture.

(Photo courtesy WØZZM)

LOCAL ARES MEMBERS TRAVEL TO DES MOINES
TO PROVIDE MEDICAL COMMUNICATIONS FOR
PAPAL VISIT ON OCTOBER 4, 1979





(Photos by
WDØDLN)



IT'S CHRISTMAS CARD TIME AGAIN

This year our Club will again print a Season's Greetings list in the December issue of HAM HUM. This provides you with a way to not send Christmas cards to your fellow Club members. (It also produces a little extra income for the Club.)

If you elect to use this service, the cost is \$1.00, payable at the next Club meeting, or mail to the Club P. O. Box address shown on the front cover of this issue. (Bidibidi, what a bargain, Buck.)

Tom, KØPQR

RECENT CONTRIBUTORS

Ham Hum Postage

Matthew G. Beha, WØLFJ

William F. Boeckenhaupt, AKØA/
WBØBMB

Richard E. Bowman, WØWZR

Arthur Catlin, WØAPS

Harold C. Cook, WØKNT

R. F. Counsman, W4UXW

Ed C. Doehling, WØHQE

Harold F. Flesher, WØPDM

Max M. Goldberg

Walter H. Johns, WØKAV

Arnold Krauel, WAØGUD

Raymond Lauritzen, KØFVB

Chas. E. McNeel, WØEXP

Alvin G. Oltmanns, WØVAA

Allen L. Smith, W4IPP

Robert Snodgrass, KØAFD

James V. Wilson, W4GDK

Repeater 34/94

Larry T. Bock, WDØBVG

Lawrence F. Caccomo, WØNMN

James E. Sanford, NØAIH

Repeater 22/82

Larry T. Bock, WDØBVG

November 1979

Repeater 40/00

Larry T. Bock, WDØBVG

James E. Sanford, NØAIH

Sincere thanks to all contributors and especially to those who donated so generously to the postage fund!

ADDITIONS TO ROSTER

Dwight T. Jones, WBØGUA

4917 Farnam Street, #3-C

Omaha, Nebraska 68132

Phone: 558-0879

Hossein Karimi, WA5ZAI

1411 Fairfax Road

Bellevue, Nebraska 68005

Phone: 291-3022

Gary L. Long, WD5HYQ

12223 "P" Street

Omaha, Nebraska 68137

Phone: 895-6407

William H. Martin, NØANQ

4517 North 61st Street

Omaha, Nebraska 68104

Phone: 451-4988

Turner F. Morgan, WDØFJO

5641 South 111th Street

Omaha, Nebraska 68137

Phone: 592-3454

Eric S. Peterson, KAØFVT

14916 Brookside Circle

Omaha, Nebraska 68144

Phone: 333-0692

Rev. Herbert G. Peterson, WAØOCZ

4502 Walnut Street

Omaha, Nebraska 68106

Phone: 556-9584

MIDWEST ARRL CONVENTION

By Mike, NØAON

The Cedar Valley Amateur Radio Club (CVARC) was the host organization for this year's ARRL Midwest Division Convention and judging by the responses and remarks heard both during and after the event, the CVARC gang is deserving of a resounding "well done"! The three day affair was held at the beautiful new Five Seasons Convention in downtown Cedar Rapids. If anyone feels they wasted their time by attending, they must have spent the entire weekend in their hotel room as there was an abundance of activity to suit hams of all ages and interests.

For myself, the trip from Omaha to Cedar Rapids was an enjoyable one. Friday afternoon, Frank WAØIWF, Dave WDØDLN, Dave's XYL Sandy KAØBAK and I, a mobile HF station, assorted two meter rigs and a well-stocked cooler, all piled into Dave's car and headed off to the convention. Five QSOs and umpteen rest areas later, we destinated (don't you just love that word?) at the convention site anticipating an interesting weekend. Our first indication of what was to come occurred as we entered the Center and ran head on into Tom KØPQR, Reynolds KØGND, Jim NØAIH and, of course, Marty Griffin WAØGEH with his XYL Sharon. This crew along with others from Lincoln and Stevens Point, Wisconsin, would later take part in events that would become the highlight of the weekend for many of the attendees!

For those of you who missed the convention, it was more or less your usual combination of commercial, Page 8

retail and flea market exhibitors, with Rockwell/Collins leading the way with an impressive display which featured their new Collins KWM-380 solid state transceiver. Selling in the \$3,000 plus range, the 380 is truly a classy piece of equipment. Frank WAØIWF and I had the distinction of being the first hams to make actual on-air contacts using the rig on Friday night. The retailers present included Ray WAØWOT, as well as Comm. Center and G & C from Lincoln. Our Club was well represented with a booth for the QSL Bureau with Charlie WØQQN and XYL Alma at the controls. Most of the Ak-Sar-Ben members present were visible, as usual, attired in Club jackets and/or hats or Club name badges.

Saturday morning dawned (as well as a few headaches brought on by the Friday night festivities) with the flurry of activity one might expect when a gaggle of 3,000 hams convene in one spot! There were an assortment of forums, seminars and, of course, the FCC exams (congrats to Dave DLN on his long awaited upgrade!), breakfasts, luncheons and good old eyeball QSOs. The exhibits closed at 5:00 PM to give everyone time to prepare for the banquet at 7:00. The Grand Ballroom at Stouffers was soon packed with over a thousand amateurs including the guest speaker, Senator Barry Goldwater, K7UGA, along with other dignitaries, such as, retired air force General Hap Arnold, W3HAP, ARRL Prez Harry Dannals, W2HD, and others from CVARC and ARRL Headquarters. In addition to the variety of

speeches and presentations, a particularly interesting bit of recognition was given to WØDC, who was singled out as the longest licensed amateur in attendance. WØDC received his ticket originally in October of 1917 — 62 years of hamming and still going strong! Not only did WØDC obtain an electronic keyer for this distinction, but it served as an omen for things to come, as he also won the convention grand prize of a new Collins KWM-380, beam rotor and tower!

As the banquet wound down to a close, most folks headed off to parties, gatherings, or prepared for Wouff Hong. And it was at this point that the crew I mentioned earlier went into action. It all started innocently enough at a small gathering of friends up in the 15th floor room at Stouffers where Frank and I were staying.

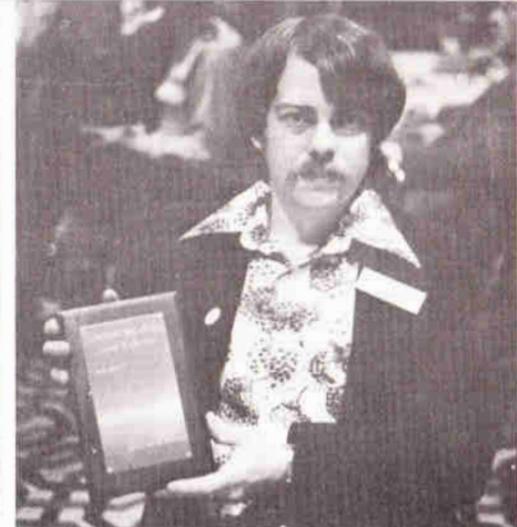
However, the situation soon took off on a tangent when Jim AIH, and Marty GEH, began riding the elevator up and down terrorizing the hotel's clients by calling up to the room on the elevator telephone, and then putting unsuspecting guests on the phone where they were asked absurd questions by the gang in the room. Jim and Marty returned to the room after about 15 minutes of this madness with tears in their eyes from laughing so hard. Things seemed to settle down until someone (I presume it was Marty) came up with the brain-orm that was to become the talk of the convention — "The Hospitality Car." Marty, Jim and I (I couldn't help myself), proceed to haul a coffee table, a bottle of scotch, an ice bucket, cups and a bottle of soda out of the room and into the elevator! We then

began riding up and down the building, greeting riders on the elevator with a chorus of "Hospitality Car, Going Up!! Imagine if you will the surprise of the hotel guests when they stepped onto an elevator and were immediately offered a scotch and soda! Several of our visitors were so impressed that they stuck around for seconds as we went from floor to floor, and included both hams (including a very impressed ARRL staffer) as well as numerous non-hams who were quite amused at all the goings on. After about thirty minutes, service was discontinued due to lack of supplies (we ran out of scotch!) much to the dismay of many, except perhaps the hotel management.

The parties broke up as the evening (or morning?) wore on, and every one amazingly was able to make it back onto the exhibit floor Sunday morning. The crowd began to diminish late Sunday as many began to head home. Some diehards stuck around till 2:00 PM either awaiting the grand prize drawing, or perhaps hoping to snag a last minute flea market bargain.

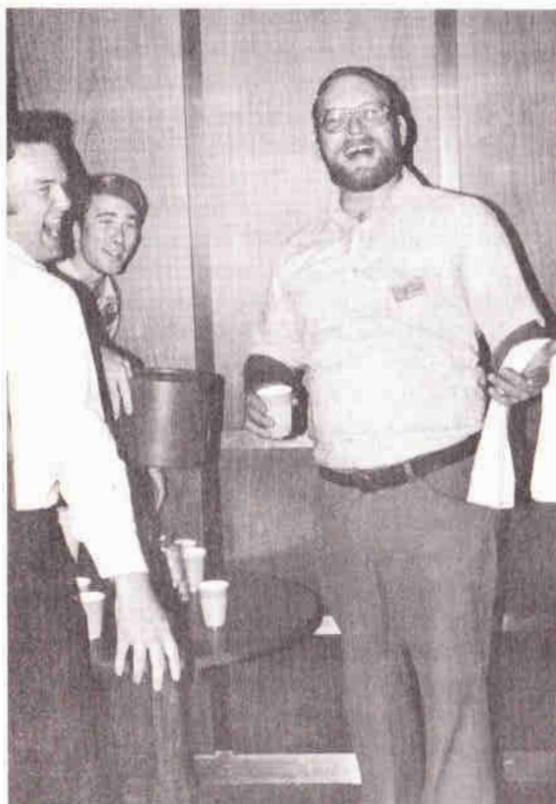
So there you have in a nutshell an overview of this year's ARRL Midwest Convention. For those of you who failed to make the trip because you thought it was too far to drive, take heart at the fact that next year's bash will be held in Lincoln. And be sure to look elsewhere in this issue for several photos from the convention.

CONVENTION PHOTOS — PAGES 10 AND 11



**PHOTOS MIDWEST DIVISION ARRL CONVENTION
CEDAR RAPIDS, IOWA – OCTOBER 19-21, 1979
(By WDØDLN and KØPQR)**

Mitch Gagne, NØAZF, won plaque for Nebraska QSL Party-CW (presented by Paul Grauer, WØFIR at Cedar Rapids Convention).



NEW ANTENNAS UP AT JCC

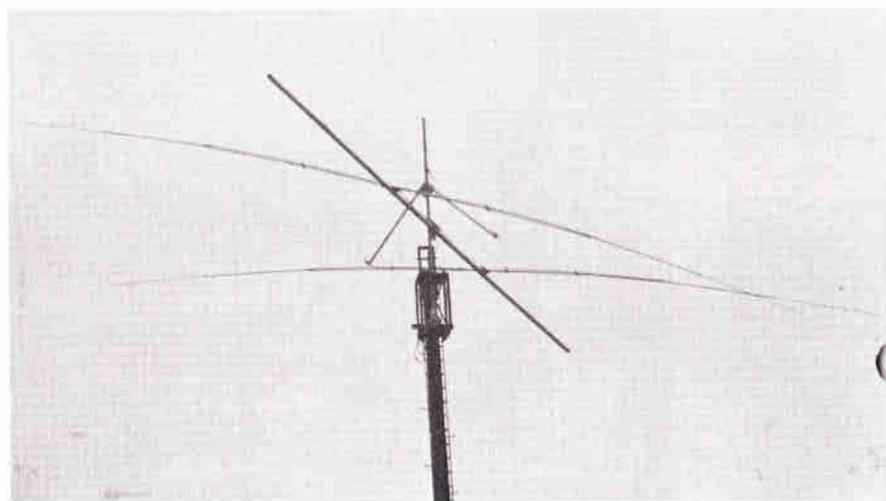
Good news! The HF antennas destroyed this past summer at the Club JCC Station have been replaced. Two new full size Telrex mono-banders were installed on October 14th. All Club members holding Station cards are invited to try out the new instal-

lation. The missing element visible in the photo on the 20-30 MHz log periodic antenna should also have been replaced by the time this is read (No, the two beams were not left out of boom alignment.) Good Dxing.

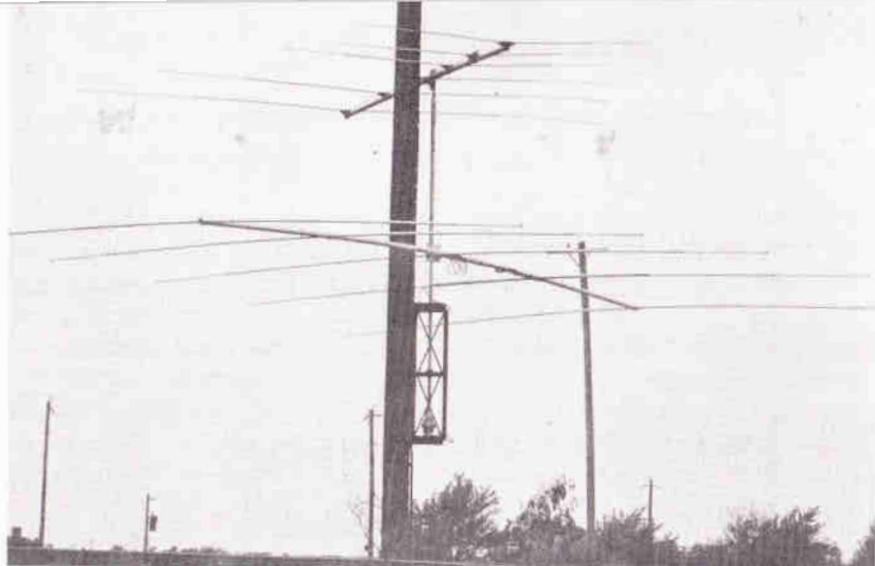
Tom Thiessen, KØPQR



Bob, WØUQJ, and crew assembling the new 3 el. Telrex 40 meter beam.



This is what was left of our old 4 el. 40 meter beam before replacement.



20-30 MHz KLM Log Periodic, and the new 5 el. Telrex 20 meter beam.

(photos by KØPQR)

ACTION REAL ESTATE

Kent Sinram, WBØBOR
Associate Broker

Specializing in Residential Sales
Nebraska and Iowa

339-1200 Office
571-7423 Home

8434 Park Drive, Omaha

AMERICAN COMPUTERS

In Omaha, we're the source for THE SOURCE. An amazing new Computer Service that allows your micro instant access to: UPI News, The New York Times, Airline Schedules, and National Classified Ads. You can also send Electronic Mail across the country. See us for details today.

Personal service to hams from hams ... Jim, KØDXU-Bruce, WØRIN-Jon, WBØMNK

4442 South 84 Street
Omaha, Nebraska 68127
Phone: 592-1518

1979 MS BIKE-A-THON

On September 30, the Midlands ARES fell out at about 8:30 AM for the 1979 MS Bike-A-Thon. The route was from Boys Town, south on 144th Street to Pacific, west to 204th Street, and then north to Blair. The second half of the journey retraced the route back to Boys Town. Approximately 130 bicycle riders participated. The first person to complete the 50 mile trip did so in 3 hours, 29 minutes.

Net control for this activity was Elliot, WA9JIQ. When I asked for an inexperienced net control operator, I did not realize I would get an inexperienced pro. Elliot did a fantastic job at the helm. Congratulations, Elliot, for a job well done!

All participating in the exercise were WDØGIL, KØPQR, WDØBVG, WDØESL, WDØBVH, WDØHBY, WBØYVF, WBØWQH, WBØNVL, WDØCBL, WDØHKG, and KØDKM.

This is the last annual exercise for ARES. The next get-to-gether will be an all ARES meeting, to be announced at a future date. There will also be a meeting of the operations staff in the near future. All members are cordially invited to this meeting to air any comments they may have.

Once again, Jerry, WBØPPF, and I want to thank all ARES members and non-members alike for a tremendous job on the many exercises during the past few months.

Jim Sanford, NØAIH
Assistant E.C.

REPEATER COMMITTEE

By — John Gebuhr, WBØCMC

Thanks to WDØHBY, NØAIH and WAØZQX for work done on September 9th stripping the tower at the Red Cross. All the antennas, coax, brackets and other things are down.

Thanks also to WDØDLN and NØAIH for help on the 220 installation at NWS on October 14th. There is still a bit left to do but the worst is done.

By the time this is read, the Red Cross will have moved to their new building.

To dispel all rumors to the contrary concerning 40/00, the repeater does not have a timer. The autopatch only does and was about 6 minutes the last time I checked. Also, as regards the autopatch, the FCC officially classifies it as 3rd party traffic and it must, therefore, be logged. 40/00 has a tape log and an automatic time recorder (which screws up every time there is a power interruption — about twice a month) so all the user need do is to give the date on a patch call. As a point of interest, if the call is not completed (no answer, busy, etc.) no traffic has been passed so no date need be given.

At this writing the 40 receiver has about .5 microvolt sensitivity and the transmitter is 8 watts. The 220 side has .3 microvolts and 6 watts to the antenna.



CHRISTMAS GIFTS



FOR THE HAM IN YOUR FAMILY

PALOMAR ENGINEERS

	Price	Shipping/ Handling
R-X Noise Bridge	\$49.95	\$2.00
VLF Converter	55.00	2.00
All Bands Preamplifier	89.50	2.00
IC Keyer	97.50	3.00
500 Watt RF Transformer	35.00	2.00
2 KW RF Transformer	42.50	2.00
1 K Toroid Balun	22.50	2.00
2 K Toroid Balun	42.50	2.00
Beam Balun (6 KW PEP)	47.50	2.00
Loop Amplifier	67.50	2.00
Plug-in Loop (160/80 meters)	47.50	2.00
Plug-in Loop (broadcast)	47.50	2.00
Plug-in Loop VLF (150-550 KHz)	47.50	2.00
CW Filter	39.95	2.00

LARSEN MOBILE ANTENNA SPECIALS

LM-150 5/8 Wave Whip and Coil	\$21.65	\$2.00
Complete with LM Magnetic Mount ..	34.94	2.00
Complete with LM Trunk Mount	34.42	2.00
NMO-150 5/8 Wave Whip and Coil	\$23.22	\$2.00
Complete with NMO Magnetic Mount	38.13	2.00
Complete with NMO Trunk Mount ...	39.20	2.00

WRITE FOR A FREE COPY OF OUR CATALOG

MASTER CHARGE

VISA

All items F.O.B. Lincoln, \$1.00 minimum shipping. Prices subject to change without notice. Nebraska residents please add 3% tax.

g & c Communications

730 Cottonwood

Lincoln, Nebraska 68510

Phone (402) 489-4891

DID YOU KNOW THAT...?

video assoc., inc.

VIDEO TAPE

- ALL STANDARD FORMATS
- VHS OMNIVISION
- BETAMAX

VIDEO SYSTEMS

- SALES
- ENGINEERING
- SERVICE
- INSTALLATION

SECURITY SYSTEMS PRODUCTION INDUSTRIAL TRAINING

... complete line of equipment and accessories by major video and audio manufacturers...



New Technologies

Letters and postcards smaller than 3 1/2" high by 5" long will not be accepted for mailing

and

Letters and postcards weighing 1 ounce or less and larger than 6 1/8" high by 11 1/2" long will be charged an extra 7¢.

See your window clerk or Publication 84 for details



Notice 200
Aug. 1975

324 No. 115th STREET OMAHA, NEBRASKA 68154 (402) 333-2288

- Appointments Calendar
- Shopping Lists
- Daily Diet Planner
- Recipe Expansion
- Household Inventory
- Burglar & Fire Alarms
- Financial Planning & Budgeting
- Special Occasion Mailing Lists
- Environmental Control



Have the Home
of the Future Today!
HOME COMPUTERS

10am-9pm Weekdays ·
10am-6pm Sat. · 12-5pm Sunday

BYTE SHOP
the affordable computer store

8523 Park Drive
339-7350

Next stoplight south of 84th & Q

RED CROSS MOVES

By Tom Thiessen, KØPQR

The Omaha Red Cross Chapter House began their move to the new building over the October 13th and 14th weekend. In between dodging boxes and moving people, I managed to get a few snapshots of the new facility.

As may be seen, landscaping in front of the new building remains to be done. If you look closely, you can just see the 20 meter beam above the building. The 15 and 10 meter beam above it are not visible. These antennas are mounted on the 70 ft. wood pole which was moved from across the street at the old building. Also not visible is a new 60 ft. commercial-duty Rohn tower mounted on the roof. This will be used for the VHF antennas yet to be installed.

The radio operating position shown is one of four similar rooms, all adjoining, in the new Communications Center. The room shown is the one being provided for use by our Club. The other three rooms are for Red

Cross Communications, Civil Air Patrol, and Douglas County REACT.

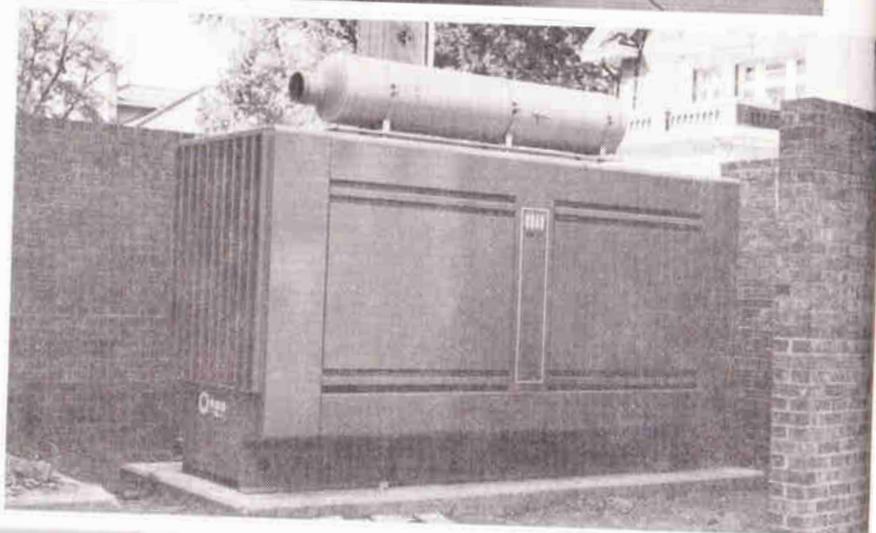
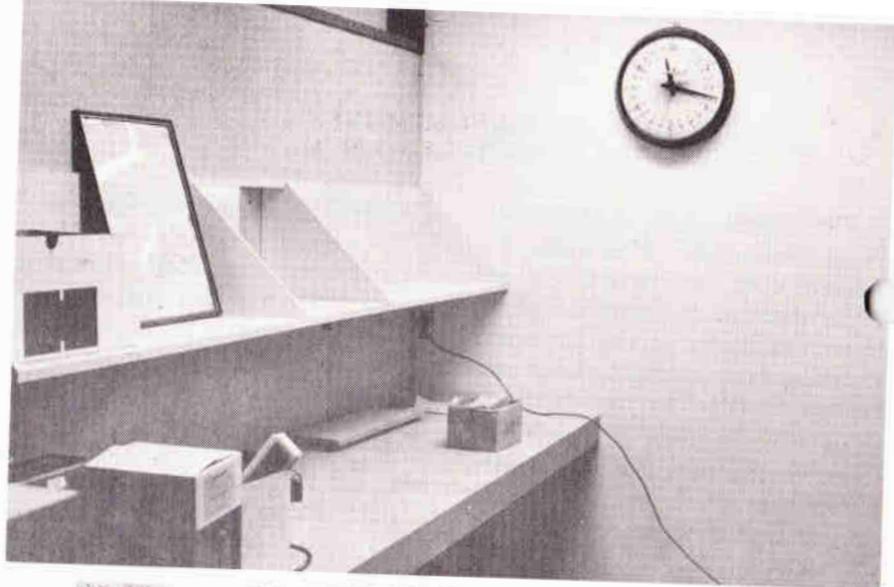
The new Onan Power Plant shown is a 150 KW Diesel unit with automatic start-up and switching transfer. The entire Communications Center is wired into the emergency power system. 50% lighting is provided in all critical areas of the building, while on the emergency system. All outlets and wall switches that are red in color are hooked to the emergency generator.

Special provisions are being made for 24-hour Club access to the Communications Center portion of the building, and it will be available for all ARES activities.

The photo of the general office area is typical of the spaciousness seen throughout the entire building. Our congratulations to the Red Cross on their beautiful new facility. We are very proud to have been made a part of it.

(Photos by Tom Thiessen, KØPQR)
(more photos next page)





HAM HUM SWAP

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

FOR SALE: Kenwood TS-700A. Features FM, SSB, AM and CW. Like new. Asking \$400.00 or best offer.

Atlas 210X with A.C. vox supply and plug-in mobile mount. Features vox, break-in CW and noise blanker. Also have Atlas mobile balun. Asking \$650.00 or best offer.

Jay C. McAleer, WAØLLQ, 839 S. Polk St.,
Papillion, NE 68046; phone 339-3448

WANTED: Johnson Navigator or Ranger I. Call 572-6143 after 4:30 PM or write: Matthew Smith, W4LBQ, 6401 Redick St., Omaha, NE 68152

FOR SALE: Tabletop relay rack, tube-type Motorola and RCA mobile radio equipment, couple of new Motorola coaxial antennas for 160 MHz; also old radio magazines for giveaway.

John Snyder, WØWRT; phone 556-1538

FOR SALE: Atlas 210X with digital read out, base power, mobile acc. include match trans., vox.

Milton Koren, 8402 Blondo, Lot C50, phone 391-0306 after 5:00PM.

american
national
RED
CROSS





BOX 8641501 AVE. (D)
COUNCIL BLUFFS, IOWA 51501
(712) 323-0142

SERVING THE RADIO AMATEUR 28 YEARS
ALAN McMILLAN WBJK

KENWOOD'S TR-2400

800 Ch. SYNTHESIZED* 10 MEMORIES*
LCD READOUT* SCANNING * & MORE !



CONVENIENT TOP CONTROLS

- LCD digital readout
 - Readable in direct sunlight (better than LED)
 - Readable in the dark (with green watch)
 - Virtually no current drain (backlight from LED) and display stays on
 - Shows receive and transmit frequencies and memory channel
 - 10 Memories (always retained with battery backup)
 - Automatic memory scanning (for "Tune" or "Open" channels)
- Mode switch for the following operations:
 - Synthesizer
 - Standard counter by offsetting the transmit frequency
 - 500 kHz or 500 kHz
 - Repeater with non-constant gaps by offsetting the transmit frequency to any frequency stored in memory to
 - REVERSE (reverses a switch for the following applications)
 - Checking signals on the input of a repeater
 - Determining if a repeater is "upside down"
 - Built-in Touch-Tone generator using 16-button keyboard
 - Keyboard selection of 5 kHz channels from 54.000 to 147.500 MHz
- UP-DOWN manual scanning and operation from 143.900 to 148.800 MHz in single or Fast continuous 5 kHz steps. Even operation on AARL repeaters when the range is wide memory. 12 kHz scanning offset frequency
- LCD "arrow" indicators
 - TX A/B
 - Memory recall
 - Battery status
 - Lamp switch on
- Two lock switches to prevent accidental frequency change and accidental transmission
- Squelch switch (optional module not Kenwood supplied)
- SBC antenna connector
- 15 watts RF output

- The TR-2400 comes with the following standard accessories:
- Flexible telescopic antenna with SBC connector
 - Ni-Cad battery pack
 - Battery charger
- Optional accessories include:
- Leather case
 - Base stand for quick charge and new base station operation
 - DC 5 volt motor dock charger



ST-1 BASE STAND (OPTIONAL)



\$395.00
INCLUDES
NI-CAD BATT
PACK &
WALL CUBE
AC CHARGER.

WE HAVE TERRIFIC SPECIAL PRICES ON HY-GAIN ANTENNAS LEFT IN STOCK--ASK FOR A QUOTE ON YOUR NEEDS.

See Our Ad In Every
Tuesday's World-Herald
For Specials Of The Week!

NEW STORE HOURS NOW!

Wed/Thur/Fri-12/5 ; Sat-9/5 (Closed Sun/Mon/Tues)