



# HAM HUM

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



Vol. XXIX  
No. 3

March 1979

## OMAHA AMATEUR CENTER

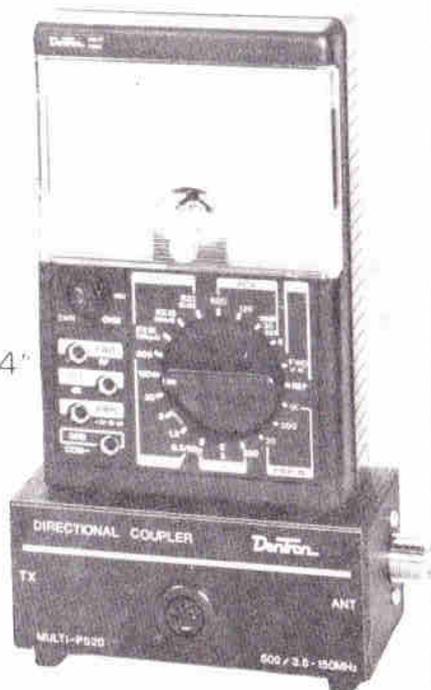
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Complete  
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20/200/1000 watt  
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NEW HOURS!

Mon., Tues., Wed., Fri. 9:30-5:30  
Thurs., 9:30-7:30  
Sat., 10:00-4:30

**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.

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

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Copy deadline for April issue is March 20th

**Dues-Annual Basis**

(Dues 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** (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:** Tuesday March 13, 1979

**TIME:** 7:30 P.M.

**WHERE:** JEWISH COMMUNITY CENTER  
333 South 132nd Street  
Omaha, Nebraska 68154

**PROGRAM:** SEVERE WEATHER — The season is almost upon us! If you've seen this program before, come again and review the basics. If you haven't seen it before, be sure to attend. Learn how to properly identify severe weather, and how to tell others what you're seeing.

Mr. James Zoller of the National Weather Service, Major Rick Himebrook of Offutt Air Force Base, and Bob Neben, K9BL, of our own A.R.E.S., will present the program.

73's,  
Tom, KØPQR

\*\*\*\*\*

## THE PREZ SEZ

The subject this month that should be on everyone's mind, is Emergency Communications and preparedness. We are rapidly approaching a period where we may

facing yet another potential flood problem in western Douglas County. All indications point to an equal threat from the Platte and Elkhorn rivers. All members with the capability to do so, should monitor the following 2 meter repeaters for upstream developments: 04-64 at Columbus, 22-82 at Clarkson, 07-67 at Fremont, and 19-79 at Yutan.

The final plans for this year's Club Auction have been completed and appear elsewhere in this issue. In view that another publication carried the wrong date, we need to wage an information campaign for the benefit of our outstate friends. I ask all Club members to mention the correct date of April 8th, on all outstate repeaters, and particularly on 75 meter QSO's. Notice also the earlier starting time of 8 A.M. for equipment check-in. With no schedule conflict on any other event, we can look forward to another outstanding Auction.

By the time this is read, almost everyone will be aware of a large change in the system performance of 34-94. The change took place on Feb. 24th. The "old" split site system has been returned to service with one major difference. The monolithic crystal filter purchased earlier, has been placed in front of the Woodmen Tower receiver in lieu of the cavity that was there before. The total receiver system sensitivity, including filter, now measures .4 to .5 microvolt. Preliminary indications are that the "ears" have been so improved, that low powered sta-

tions 50 to 60 miles away are now "into the machine" with full quieting signals. The audio quality of a split site repeater is of course not as good as with the single site "Spec-Com" repeater. The general feeling is that the loss of audio quality is more than offset by the tremendous increase in coverage. My personal thanks go to John Gebhur, WBØCMC, Ken Harrigan, WBØWYB, and Scot Thompson, WBØWOT, for their many hours of repair work on the old system, and in getting the change made.

In terms of future plans, the 94 transmitter now at Red Cross, will probably be moved to some other location, in order to provide multi-frequency operation in and out of the Red Cross building, which is now impossible due to the proximity of the 94 transmitter. Once the transmitter has been moved, this will then become the permanent 34-94 system. The single site "Spec-Com" repeater will then find its way to a new location where it will be placed on a new frequency pair, giving us a second repeater at almost no extra cost. The tape information system presently on 34-94 could then be moved to the new second repeater which would fill the need for a local coverage machine for use by the rag-chewers and as an information outlet. 34-94 could then be returned to its originally intended purpose as a wide area coverage repeater for mobiles and hand-held units, and to fill its primary role as an emergency communications tool.

I wish to remind all Club members who need to renew their ARRL Membership, that it won't cost you any more, or less, to do it through

the Club Treasurer. The benefit to the Club is that we get to keep some of your money. It's like a free source of income for the Club. See the Treasurer at the meetings for further details.

I will close this month with an examination of Klipstein's Laws of General Engineering. Here are a few of the selected best: #4. Any wire cut to length, will be too short. #5. A transistor protected by a fast-acting fuse, will protect the fuse by blowing first. #8. All delivery promises should be multiplied by a factor of 2.0. #12. Manufacturer's claims for performance should be multiplied by a factor of 0.5. #13. Salesmen's claims for performance should be multiplied by a factor of 0.25.

73's and see you at the next meeting.

Tom, KØPQR

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### THE BUCK STOPS HERE

The method of enclosing a dollar bill with the SASE is a widely used way of obtaining a response to some rare DX. While it may usually work it also has some pitfalls. It is possible that some foreign post offices are not above catching on to a juicy plum such as this and your QSL cards never reach their destination. Also this, when multiplied by the number of Hams involved, amounts to a sizeable sum of our money leaving the country which adds to an already established problem. Last but not least, there are some countries that come down pretty hard on their citizens for mere possession of our money.

\*\*\*\*\*

### ADDITIONS TO ROSTER

David J. Dreith, NØANR  
8722 Granville Parkway  
LaVista, Nebraska 68128  
Phone: 331-6844

Ralph S. Ervin, WDØAPF  
12729 "C" Street  
Omaha, Nebraska 68144  
Phone: 334-7295

Elliot S. Hamilton, WA9JIQ  
21330 Brentwood Road  
Elkhorn, Nebraska 68028  
Phone: 289-3168

Jonathan G. Linneman, WBØYVI  
3348 North 57th Street  
Omaha, Nebraska 68104  
Phone: 551-5864

Lysle A. Renne, KAØDKO  
5711 North 27th Street  
Omaha, Nebraska 68111  
Phone: 455-0805

Chuck W. Sudds, KØTVD  
3507 Lee Terrace Road  
Omaha, Nebraska 68112  
Phone: 455-9916

John C. Wilson, WAØDYU  
4858 South 121st St. — Apt. #4  
Omaha, Nebraska 68137  
Phone: 895-6927

Brian Zdan, WBØAJI  
4817 Douglas Street  
Omaha, Nebraska 68132  
Phone: 553-2610

\*\*\*\*\*

No matter what circles one travels in, they're all 360 degrees.

John M. Cline, 3Z<sup>0</sup>

\*\*\*\*\*

## NOTES FROM FEBRUARY 6TH BOARD OF TRUSTEES MEETING

Guests were Chuck Hoffman, NVL and John Gebuhr, CMC. Treasurers report by Mac, BMJ, was read, motion made by Jim, QGV to accept treasurers report as read. Seconded by Jerry, PPF and approved by the Board.

A discussion of Club activities for the 1979 season was reviewed. The E.O.C. Security was outlined and a list of 9 names of Primary Operators, along with (9) nine Backup Operators, has to be furnished the Director of the E.O.C., Bob O'Brien, and his people. This is to insure a smooth operation instead of chaos if the Center is ever put into full Emergency Operation. The Operator names for E.O.C. were chosen by ARES.

The purchase of four (4) 220 Clegg Radios, at an approximate cost of \$600.00, was also discussed. President Tom, PQR would like this purchase to be decided by the membership at our February 13, 1979 general membership meeting.

Motion to adjourn by Ken, TXV, seconded by Bob, TVP, and approved by The Board.

Club Secretary,

Robert R. Chereck, Sr., WBØTVP

(Ed. Note: The item mentioned above — the 4 Clegg transceivers — was brought to the members at the last meeting and purchase was approved.)

\*\*\*\*\*

### Ten Commandments of Human Relations

Speak to people. There is nothing so nice as a cheerful word of greeting.

Smile at people. It takes 72 muscles to frown, only 14 to smile.

Call people by name. The sweetest music to anyone's ears is the sound of his own name.

Be friendly and helpful. If you would have friends be a friend.

Be cordial. Speak and act as if everything you do is a genuine pleasure.

Be genuinely interested in people. You can like almost everybody if you try.

Be generous with praise — cautious with criticism.

Be considerate with the feelings of others. There are usually three sides to a controversy: yours, the other fellow's, and the right side.

Be alert to give service. What counts most in life is what we do for others.

Hold to this a good sense of humor, a big dose of patience, and a dash of humility,

and

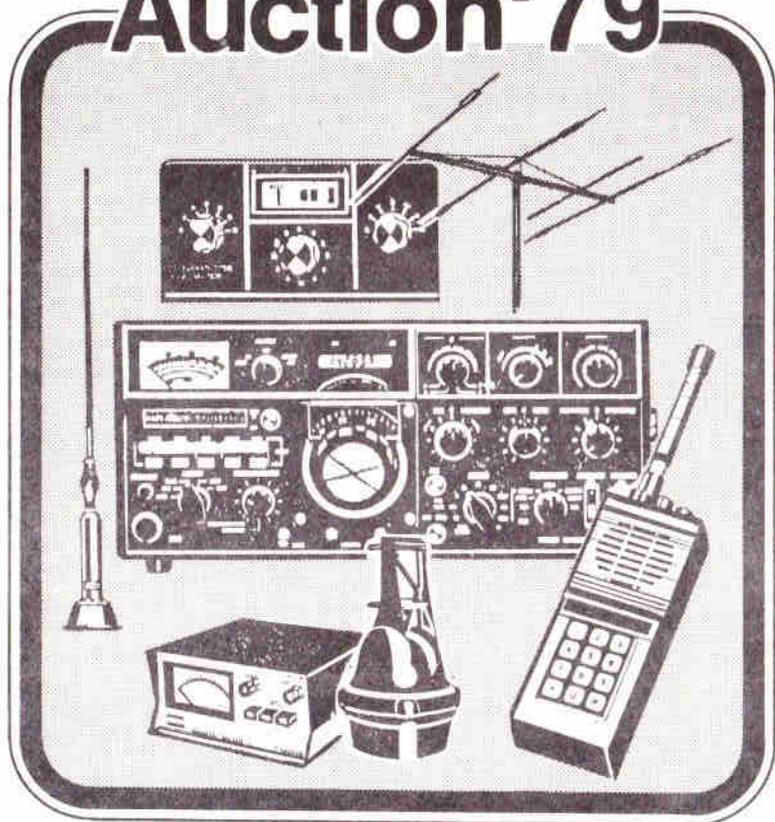
and you will be rewarded many fold.

WØLFJ, Matt

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**AK-SAR-BEN AMATEUR RADIO CLUB, INC.**  
**OMAHA, NEBRASKA**

# Auction '79



**SUNDAY- APRIL 8, 1979**

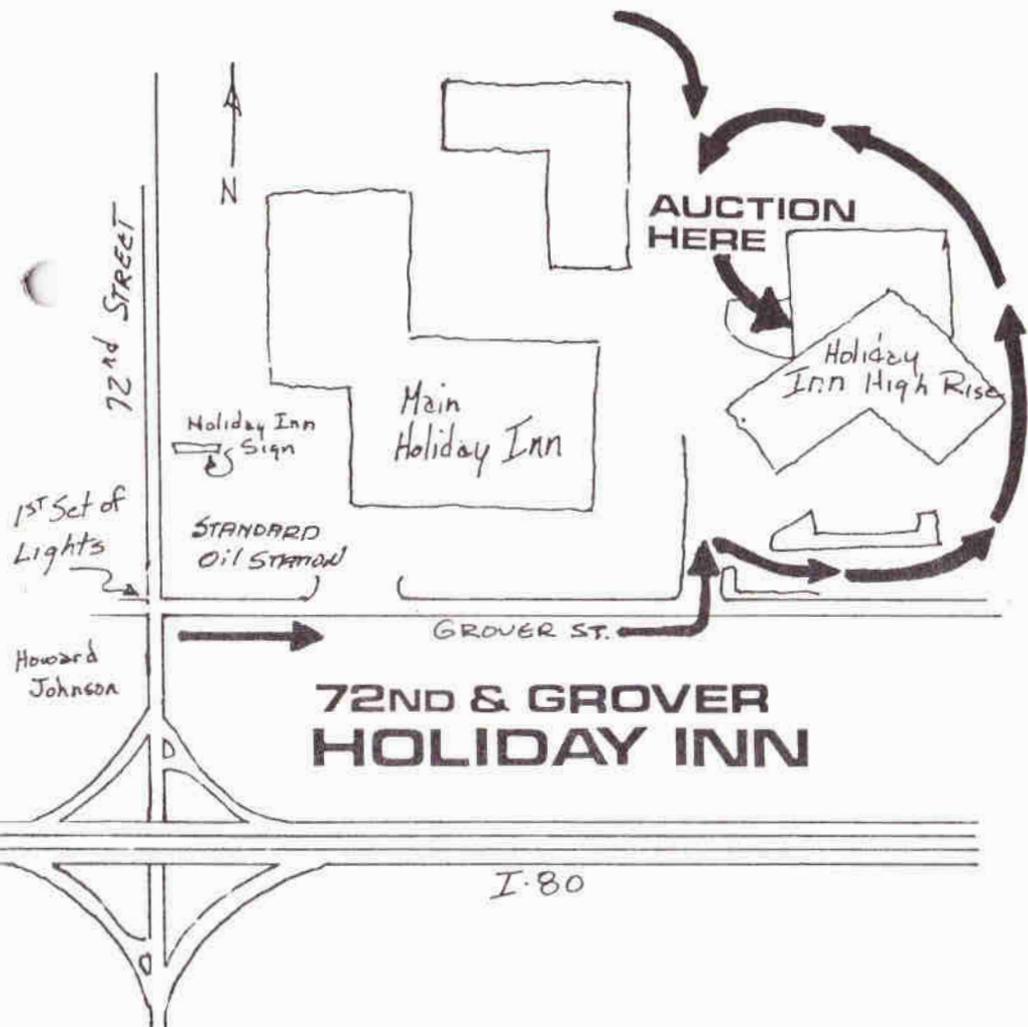
**CHECK-IN 8:00 AM**

**AUCTION 10:00 AM**

**HOLIDAY INN**

**· HIGH RISE ANNEX  
· EXHIBITION HALL**

**TERMS: CASH! CONSIGNOR RECEIVES FULL PAYMENT LESS 10% OF SALE PRICE. CONSIGNOR MAY BID ON OWN MERCHANDISE—\$1.00 CHARGE FOR BUY-BACK. MERCHANDISE AUCTIONED IN ORDER REGISTERED.**



## ANNUAL AUCTION

The annual Ak-Sar-Ben Amateur Radio Club auction will be held at the Holiday Inn, 72nd and Grover on Sunday, April 8th. The auction will take place in the Exhibition Hall. Check-ins will start at 8:00 a.m. and the auction at 10:00 a.m. Please read the notes carefully and understand them; the auction will run according to them, without exception. Remember group your equipment so it is worth that much or more. Sellers please read the

buy-back rules; there is no such thing as "no sale."

We will also have a raffle for a Dentron PS-20, multi-wattmeter. Tickets will be available for a 50¢ donation. The drawing will be held at 2:00 p.m., during the auction. You must be present to win; we will draw until a winner is announced. Again read the rules and see you in the Exhibition Hall at Holiday Inn on April 8th.

73s,  
Jim Sanford, NØAIH

# RULES

## GENERAL RULES:

1. Check-in of equipment and buyer registration will start promptly at 8:00 a.m. the day of the auction. No equipment will be allowed in the sale area prior to 8:00 a.m.
2. The auction will start promptly at 10:00 a.m. and will continue until the last item is sold or until called off by the combined ruling of the President of AK-SAR-BEN Amateur Radio Club, Inc. and the Auction Chairman.
3. All items will be auctioned off and sold to the highest bidder.
4. All items will be auctioned off in numerical order according to check-in order without exception.
5. In financial matters, the ruling of the Treasurer will be final. His record of sales will be considered true and final.
6. The AK-SAR-BEN Amateur Radio Club, Inc. will not be responsible for equipment lost, stolen or damaged while on these premises.
7. There will be a minimum bid of \$2.50 on any item for sale. Any item not meeting this bid will be passed off the sales block and returned to the seller.
8. Sellers may not be paid for items until they are paid for by the buyer.
9. Once an item has been registered, it may not be sold by any other means than through the auctioneer.

## BUYER RULES:

1. All persons must register and receive a "Buyer Card and Number" prior to bidding on any item.
2. All items will be paid for immediately after the buyer receives his card with the item number and amount of sale.
3. The Treasurer must mark this card PAID before the buyer may take possession of the equipment.
4. The high bidder must show his "Buyer Card" to make the sale official.
5. Sale of "Linear" Amplifier will be restricted to licensed amateurs.

## SELLER RULES:

1. All items must be registered in advance and will be auctioned off in order of check-in.
2. A commission of 10% (ten percent) will be charged on the first two hundred dollars of any single sale. Any sale over \$200.00 will be charged a maximum of \$20.00.
3. All items will have a minimum bid of \$2.50. If the item is not worth more, put it with something that is!! No other minimum bids will be allowed.
4. In order to buy back an item, the seller must be the high bidder. Terms such as "No Sale" will not be allowed under any condition. A fee of \$1.00 will be charged the seller for all "Buy Backs."

# Concession Stand on Auction Floor

8:00 AM to 4:00 PM  
Coffee and soft drinks

11:00 AM to 4:00 PM  
Hot sandwiches, cold cuts  
coffee pop and beer

---



## **BUFFET LUNCH AVAILABLE**

Starting at  
11:30 AM

- SALADS
- ENTREES
- DESSERTS

\$3.95

**ALL AMERICAN DINING ROOM**

**Auctioneer : Bob Buman, WOPPT**

## NEWS FROM MEMBERS

Hello Everyone:

Wanted to let you know I'm alive and well on the western end of the Aleutian Island chain. I may be found on Sat. and Sun. on 28750. Also have Oscar equipment. I feel just like a DX station out here. Hope to work some of you soon. Send me my bill for 1980 dues. My Ham Hums have not caught up with me yet.

73s

John Crawford, WØGH/KL7  
Box 277, APO Seattle 98736

P.S. I'm using the KØQSL Bureau.

Dear Secretary:

I am waiting for my 25-year certificate. I have had letters from Omahans for purpose of working Idaho. They can get in touch with WØKI, WØEN or WØYZK to set up skeds.

Best wishes for New Year.

Damon B. Nuckols, W7LKH  
Star Route 2, Box 199  
Bonners Ferry, Idaho 83805

(Ed. Note: Your certificate will be forthcoming, W7LKH.)

\*\*\*\*\*

## STOP! LOOK UP! AVOID POWER LINES.

Serious and even fatal accidents can occur when an antenna or any metal object contacts overhead power lines. If you are putting up a tower or antenna, observe these rules:

1. Check for overhead power lines. Every wire should be considered dangerous. Remember, they are not insulated.
2. Make sure there's more than enough clearance for carrying, raising or lowering the tower. It's easy to misjudge this clearance.
3. Erect the antenna or tower far enough away so that it will not hit any power line if it falls.

If power lines are a possible hazard, call OPPD. We are interested in your safety.

**OMAHA PUBLIC POWER DISTRICT**

# ORDER FORM TODAY!

IAHA, NEBRASKA 68101

CALL SIGN \_\_\_\_\_

PHONE (\_\_\_\_) \_\_\_\_\_  
Area

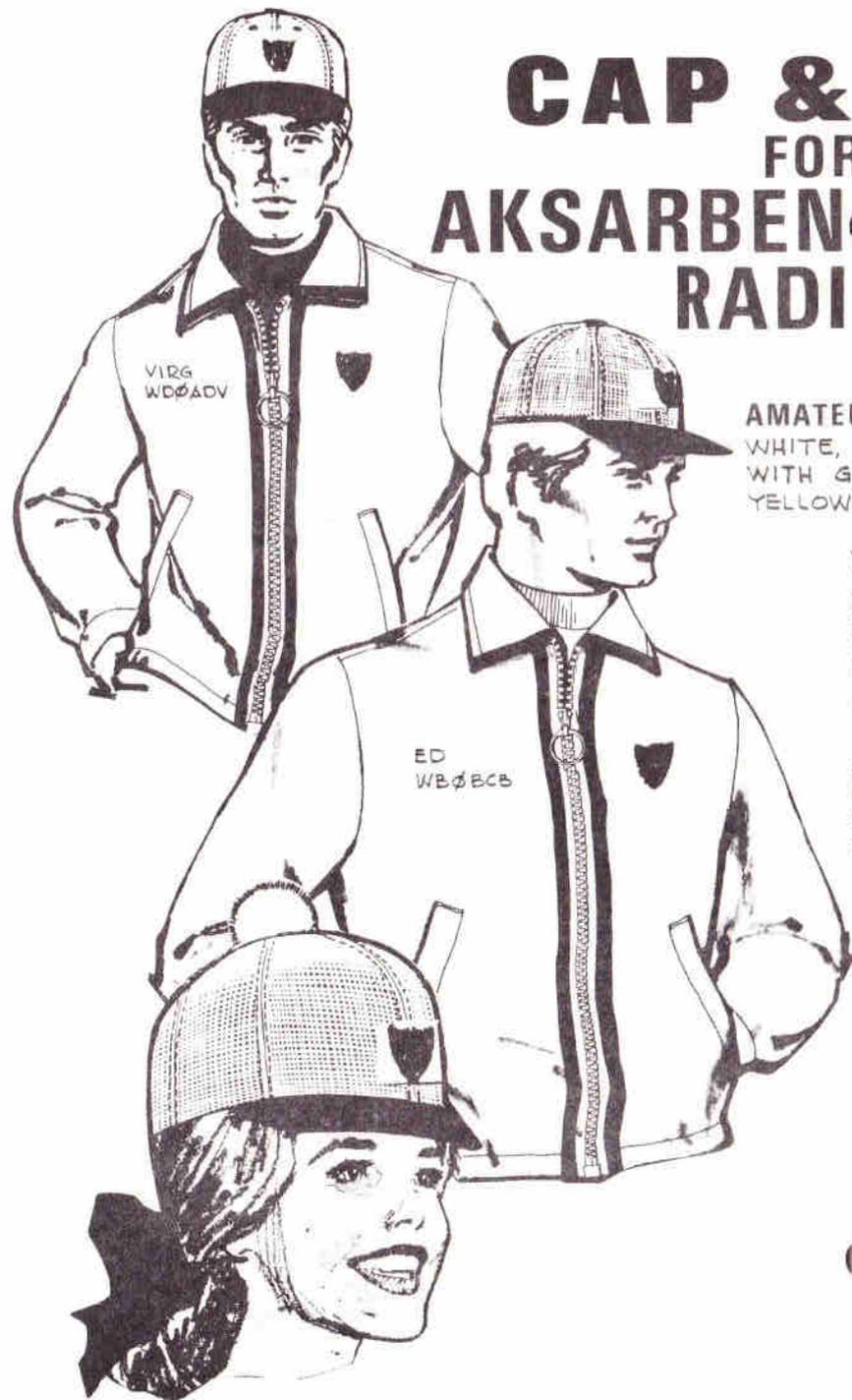
ZIP CODE \_\_\_\_\_

AMOUNT ENCLOSED \$ \_\_\_\_\_

				HOW MANY TOTAL?	PRICE	TOTAL
SMALL 34-36	MEDIUM 38-40	LARGE 42-44	X-LARGE 46-48			
					\$ 14.50	
					\$ 3.50	
					\$ 2.50	
					\$ 3.50	
					\$ 4.50	
					\$ 4.50	

TOTAL \$ \_\_\_\_\_

# CAP & JAC FOR AKSARBEN AMATEUR RADIO CLUB



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## YL AMATEUR RADIO CAPS

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ALL CAPS ARE FULLY ADJUSTABLE FOR COOL HEADS. GREAT TO KEEP AMATEUR RADIO ON TOP.

## AMATEUR RADIO JACKETS

WATER REPELLENT, FULLY WASHABLE, SLASH POCKETS, ELASTIC WAISTBAND, RUGGED SAFETY STITCH CONSTRUCTION FOR THE RADIO MAN. WHITE HEAVYWEIGHT OXFORD NYLON JACKET WITH SPECIAL DELRIN ZIPPER AND GREEN & YELLOW STRIPING PARALLEL TO ZIPPER AND EDGE OF COLLAR.

## GET AMATEUR RADIO OUT WHERE IT COUNTS

ORDER FORM REVERSE SIDE



## ORDER

FORM: AK-SAR-BEN AMATEUR RADIO CLUB, INC., P. O. BOX 291 D.T.S., OM

NAME \_\_\_\_\_

ADDRESS \_\_\_\_\_

CITY \_\_\_\_\_ STATE \_\_\_\_\_

AUTHORIZED SIGNATURE \_\_\_\_\_

ITEM	
<b>White Heavyweight Oxford Nylon Jacket</b> W/Special Zipper and Striping (Includes Club Patch and Silk Screen Lettering on Back)	Style Number 77610
<b>Name/Call Patch</b> (Name in Lower Case Script, Call in Block Lettering) – Sewed on Jacket	Name (please print) _____ Call (please print) _____
Additional or Replacement <b>Name/Call Patch</b>	Name (please print) _____ Call (please print) _____
<b>Extra Club Patch</b> (Ideal for Sewing on Blazer, Another Jacket, or Suitable Clothing)	
<b>White Open Weave Mesh Cap</b> W/Green Visor, Top Button and Yellow Stitching	Style Number 30551
<b>White Open Weave Mesh Ladies Cap</b> W/Green Visor and Yellow Stitching	15551

MAKE CHECKS PAYABLE TO AK-SAR-BEN AMATEUR RADIO CLUB, INC.

NOTE: ALL ORDERS FOR THESE ITEMS SHOULD BE RECEIVED BY APRIL 30, 1

## RECENT CONTRIBUTORS

### Ham Hum Postage

Matthew G. Beha, WØLFJ  
Samuel S. Kaplan, WDØBVH  
Charles E. Rodgers, WØQQN  
Ben M. Utterback, WBØMRW

(Repeater 34/94 — continued)

Virgil P. Wamsat, KBØBW  
(Ex-WDØADV)  
Jerome D. Wasserman, WBØCKR

### Repeater 34/94

Erich J. Bahr, WØHRK  
Norval E. Bowen, WAØNPF  
& Connie Bowen, WAØMYF  
John A. Cook, KØWVF  
Donald A. Eden, WBØVGB  
Richard S. Jandrt, WB9PII  
Samuel S. Kaplan, WDØBVH  
Joseph A. McCool, WBØNFF  
Gerald W. O'Harrow,  
WBØPPF  
W. L. (Tex) Pedigo, WAØOMB  
Floyd H. Schadendorf, WBØLXP  
Robert L. Smith, WBØYOD

### Repeater 22/82

Richard S. Jandrt, WB9PII  
W. L. (Tex) Pedigo, WAØOMB  
Robert L. Smith WBØYOD  
Virgil P. Wamsat, KBØBW

### Repeater 40/00

Donald A. Eden, WBØVGB  
Richard S. Jandrt, WB9PII  
Floyd H. Schadendorf, WBØLXP  
Raymond E. Simmons, WBØYFX  
Robert L. Smith, WBØYOD  
Virgil P. Wamsat, KBØBW

Sincere thanks to all!

\*\*\*\*\*

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ANNOUNCING!!!

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571-7423 Home

8434 Park Drive, Omaha

## MORE NEWS FROM MEMBERS

Hi gang,

First, enclosed is a check for my 1979 dues plus a little extra you can apply to your operating expenses as you desire. Sorry I'm so tardy, but it just got stuck in my paperwork jungle here in the office.

The paperwork here more and more revolves around a new automation system we have that those of you who are computer buffs might find interesting. I'm doing this letter on a WANG WPS 30 word processor, which is one of three subsystems. The whole thing is built around a DEC POP 11/70 computer and uses TEKTRONIX and HEWLETT-PACKARD as well as DEC, peripheral terminals, I think I've learned about ten times as much as I ever wanted to know about computers over the last few months. I do have to admit that the word processor (which is the only part I normally use) is really a nifty thing.

We also have rather advanced automated communications systems at our disposal. Even though they're a lot different from amateur systems, I enjoy working with them.

I have been only rarely active on the air — seems like I spend all my time in this office — but I did have the chance to help in putting a club station back on the air here at the base. We just got all our paperwork and new gear last week and have started doing some operating. The callsign is KA2KS. We managed to get a new Yaesu FT-101E and linear along with several other goodies. So, if you should happen to hear the callsign, give a holler. Right now we're using just an inverted V, but as soon as we can get them overhauled we'll have a tri-band Yagi at

about 30', a 20 meter monobander at about 50', and a horizontal V boresighted on the states.

I've also been thinking about getting a new rig myself before I leave this summer. The savings you get by buying over here aren't as much as they used to be, but you still save some. Yaesu has brought out a new FT-101Z, which I understand will replace the '101E. It has some of the features of the FT-901DM. ICOM's top of the line model here is called the IC-710, but I don't know if it's any different from the IC-701 sold in the states. The Trio gear here is the same as Trio-Kenwood except for the name plate on the front. One thing you can still get here is a linear with ten meter capability, but no matter how hard I've looked I haven't found any two meter gear that covers more than 144-146 MHz. And 220 MHz doesn't even exist here.

Well, as I mentioned before, I'll be moving this summer. Looks like I'll be going to Washington, DC, which I'm sure I won't enjoy as much as my tour in Omaha. If I should happen to drive through, I'm sure I'll meet some of you on one of the repeaters. And who knows — I might even come back to Omaha in four years if I decide to retire then.

Best 73

Dave, K5QJG/KA2DW

Dear Club Members:

Enclosed is my \$10.00 for continued club membership. Presently I am not living in the Omaha area but doing a twelve month remote tour at Shemya Air Force Base, Alaska. Shemya is an island four miles long and two and a half miles

wide. It is also the third last island on the Aleutian Chain and is approximately 1450 miles west of Anchorage.

Also with me at Shemya is another Ham and Ak-Sar-Ben Club member, John Crawford, KØGH, who is also my roommate and "partner in crime" here on "the Rock." John and myself brought our FT-901s along and have recently set them up in the base ham club KL7FBI. Even though Shemya is a remote site, we have rapidly discovered that it is a DX haven and look forward to many contacts with our friends back in Omaha. We operate usually on the lower end of 20 meters and around 28.6 MHz on 10 meters and we are on the air every night of the week and most of the weekend.

While I'm at it, I would like to update my records to reflect my present class of license of Advanced Class.

73s

Dennis J. Grillot, WDØADG  
Box 417  
APO Seattle, WA 98736

\*\*\*\*\*

### MEMBER ADDRESS CHANGES

John E. Bruckner, NØAJU  
3461 Miami Street  
Omaha, Nebraska 68111  
New phone: 551-5448

William A. Dumbleton, WBØNPS  
2714 North 45th Avenue  
Omaha, Nebraska 68104

John M. Crawford,  
KØGH/KL7  
Box 277  
APO Seattle 98736

(Continued at bottom of Page 23)

March 1979

## omaha COMPUTER store

**NOW AVAILABLE!!**

Ohio Scientific Computer  
with floppy disk system and  
TV interface — Less than  
\$1000

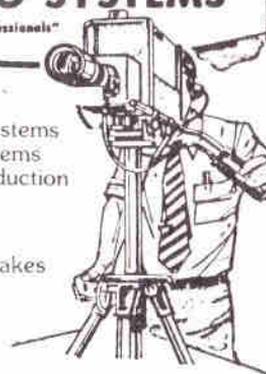
*No TV terminal required —  
Use your own television set!!*

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4540 S. 84th  
Omaha, NE 68127  
(Behind the Penthouse  
Lounge)

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HAM HUM

Page 17

## WHO CARES . . . ABOUT DX?

Conditions seem to have been getting better and better lately. I have noticed that 10 meters is open much earlier, about 6:00 to 7:00 A.M., and extends later into the day with signals fading off around 10:00 P.M. This is a pretty good indication that the sunspot count is going up. The solar flux has been relatively high in nature the last few weeks, staying about 190 every day.

Well a lot has happened in the last months. I have gained several accurate information sources to help with the column. Also a couple readers have shown some interest by sending letters to me. One problem from the last column was that my address was accidentally misprinted. It is 11014 Harney, Omaha, NE 68154.

One very interesting note I received from Dick Newsome, WØHXL, proves there is 40 and 80 meter DX activity here in Nebraska. Dick worked the following: On 1-28-79, CT1MK-Portugal-on 3.803 MHz; 2-11-79, EA4LH-Spain-on 7.203 MHz; 2-11-79, EA8CR-Canary Islands-on 7.200 MHz. Amazing! Dick also commented, "From Jan. 31st to Feb. 2nd, I worked 42 Europeans in 29 countries on 10 meter SSB." Fine work, Dick.

Congratulations to Joe Nanos, KØKES! For those of you who haven't heard yet, Joe received his single sideband worked all zones for 20 meter CW, Certificate #62. This is mighty tough to achieve. It seems Joe attributes some of his luck in finding the "rare ones" to a weekly publication, the West Coast DX Bulletin. I also find this column very worthwhile. It is published by Hugh Cassidy, 77 Coleman Drive, San Rafael, California 94901. It gives Page 18

some last minute info on where to catch the big ones.

Montserrat-VP2MBH was activated with some fellows from this area. WSH, ØWØBQ and KØXO, I believe all from Des Moines, operated through the 19th of February. If you worked them, QSL to: WØSH, Box 73, Des Moines, Iowa 50301.

Maldives-8Q6. If you worked this station operated by WB4ZNH and WN4FVU before their departure on February 20th, QSL to WB4ZNH.

Franz Josef Land seems to be in the news a lot lately. It is quite a rare Russian territory. There are many different rumors regarding who and when Franz Josef will activate. Chances are we will see some CW in April. Look for UK1PAA and UK-1PAT.

Gilberts — VR1BD is on daily around 28.503 MHz from about 2000 GMT to 2100 GMT. QSL to WSRBO.

Bovet-3Y1VC is still appearing daily near 21.030 MHz at 1700 GMT and 14.030 MHz between 2300 and 2355 GMT. He doesn't spend much time in one spot. He claims he can't operate in the heavy QRM.

Mongolia-JT1BG is on every day around 28.645 MHz from 0200 Z to 0400 Z.

Bhutan-A51PN occasionally visits the sea net on 14,320 around 1400 GMT and sometimes arrives as early as 1200 GMT. If you were fortunate enough to work him, QSL to N H Pradhan, Royal Bhutan Wireless, Post Office, Thimpu.

Somalia-601FG is now in Somalia and will be on the air soon. Using CW, he will be around 14.025 MHz moving to 14.051 MHz when the QRM gets bad. On SSB, you can find him near 14.205 MHz with

14.282 MHz as a back up. Lists will be taken beforehand at 1500 GMT. QSL manager is IØDUD

China-already two people have claimed to have worked the same BY station, BY1AA. There is a lot of talk about DXpeditions to the Peoples Republic of China. It is generally thought that this long sought after country will be on the air again to try and quench the thirst of so many deserving DXers.

Saudi, Arabia-HZ1AB, operated by WBSVIH, started February 15, running through March 15 with daily operation from Ø100 GMT on 14.210, 21.300 and 28.600 MHz on sideband. He tends to operate CW 30 kc up from the bottom of these bands. QSL via K8PYD after March 15.

Sprattly-IS1B. Look for this one around March 30. Operators

UK2BJL and ZL1ADI say they will stay just long enough to fill out all the log sheets. They didn't say how many hundreds they had.

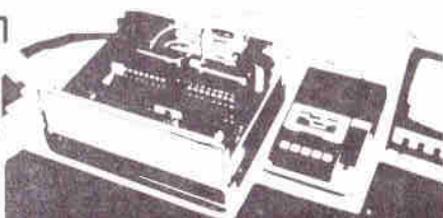
Transkei-S8AAP. You can take your time to work this one. Nick says he will be there for the rest of 1979. He operates on 14.203 MHz. Usually starting about 2100 GMT. QSL to Box 821, Umtata.

Wallis Island — Well, if you worked this one, QSL to 4Z4TT, Box 22572, Tel Aviv, Israel. Be sure to include the required \$1.00. This will cover Baruch's high operating and mailing costs for the 30 to 40 thousand QSOs he made.

Minami, Torishima — KA1NC is on 80 meters daily on 3.798 MHz at 1100 GMT. He hopes to add 40 meters next month, giving 5 banders a new country. QSL via K4JEX.

(Continued on Page 20)

- Appointments Calendar
- Shopping Lists
- Daily Diet Planner
- Recipe Expansion
- Household Inventory
- Burglar & Fire Alarms
- Financial Planning & Budgeting
- Special Occasion Mailing Lists
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(Continued from Page 19)

There should be enough info here to keep you busy in your spare time. If you would like to participate in DX net, listen in on Whidbey Island DX Club. It's on 14.280 MHz, Friday at 0300 GMT.

Anybody having trouble finding a QSL Manager should drop me a card. If I can't find one for your con-

tact, then maybe an outside reader can help.

Please keep the mail rolling in. So far I've had a tremendous response of 2 letters. Also any ideas of what you would like to see in this column are certainly welcome.

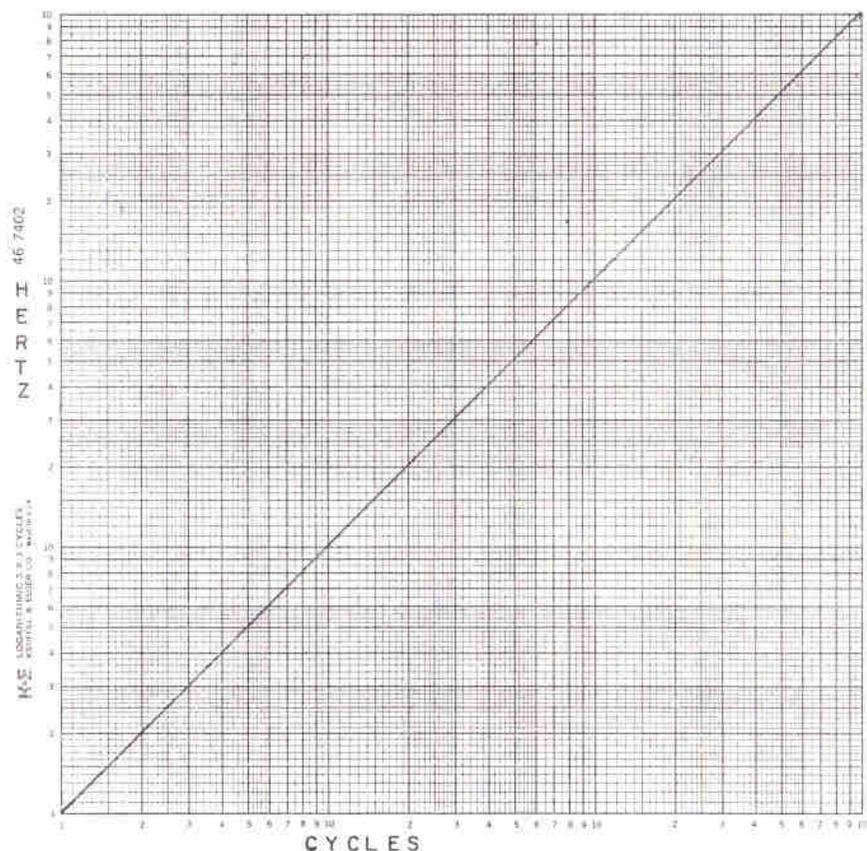
73s es good DX  
Bill Grinnell, WDØFDE

\*\*\*\*\*

For those who are as confused about the conversion from Cycles to Hertz as I am, here is a normalized graph which should clearly

help to understand the conversion process.

John Gebuhr, WBØCMC



\*\*\*\*\*

# TOP QUALITY MOBILE ANTENNAS

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## G & C Communications

- Stainless Steel Radiator
- Heavy Nickel-Chrome Plated Brass Base and Fittings
- Mounts Come with 17' RG-58AU and PL-259 Connectors.
- Compatible with Motorola TAD and TAE Mounts.

*When ordering, suffix "T" indicates complete antenna assembly with trunk lid mount. Suffix "M" indicates for 3/4" hole mounting.*

**BM-2700T** — 27-31 MHz 1/4 wave base-loaded. 200 watt rating. Covers 10 meters or CB. Great mobile antenna for converted CB rigs. 49" at lowest frequency and is approximately 42" when cut for ten meters. Complete with trunk lid mount assembly. . . . . **\$29.95**

**BM-MATH** — Extra whip (Cut one for 10 and one for CB) . . . . . **\$5.00**

**BM-4700T** — Same assembly except for 47-54 MHz. **\$29.95**

**BM-5800T** — 144-174 MHz 5/8 wave gain antenna. 200 watt rating. Complete . . . . . **\$29.95**

**BM-MAT 58** or **BM-MAT 22** — 5/8 matching coils (these coils with whips allow same mounting assembly to be used on different bands) . . . . . **\$14.95**

**BM-5822** — 220-225 MHz 5/8 wave gain antenna **\$29.95**

**Note:** Deduct \$4.00 from "T" price for "M" assemblies.

*Additional Information On Other Antenna Models Available*

Bill, W0BM

Chuck, K0NG

Mike, W0MQ

## G & C Communications

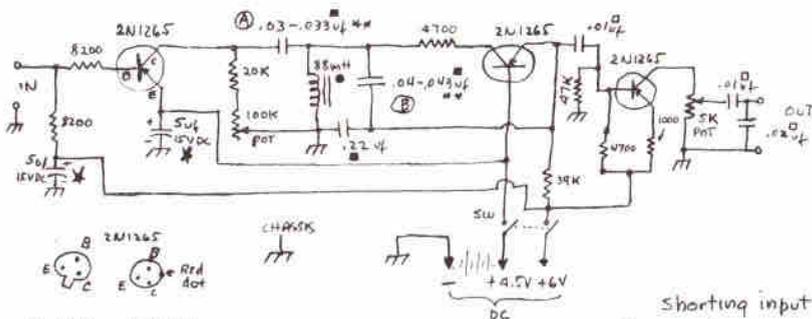
Dept. HH

730 Cottonwood  
Lincoln, NE 68510

## A SUPER-STABLE, TWO FREQUENCY AUDIO GENERATOR

In AFSK operation on either 2-Meter FM or AM, for that matter, two tones must be generated. Unless you are using the narrow freq. shift, you will want tones of 2195 and 2975 Hz. The generator of which the circuit appears below is super-stable and will provide these tones. Shorting the input changes the tones. Meanwhile, for the testing of SSB transmitters, a two-tone audio input is advisable. The little generator, connected into the average mike input of the SSB xmtr, will do the job. It is easy to build, and the one I built was on a piece of perforated board 4 inches square. The batteries will last upwards of a year or so without the frequencies derating or changing. When the batteries run down the whole generator refuses to function. The .02 uf capacitor in the output circuit may be omitted if there is no audio feed-back when connected into your xmtr mike input. If RTTY is not contemplated, there is little sense in trying to put the generator on the set frequencies. Simply use a good grade paper capacitor of .03 uf and .04 uf at (A) & (B) respectively and let the frequencies fall where they may.

de W6TQL, Karl  
de W6SD Carrier



- \* Mixture electrolytic
- Good grade paper capacitor
- Disc type
- Toroid. Connect 2 halves in series
- \*\* Start with low values and add capacities to hit desired frequencies

- (A) Controls 2125Hz  
(B) Controls 2975Hz

### SW - DPST

Battery is made up of 4 D cells in series, tapped at 3rd battery. SW.1 last for over 1 year. All resistors are 1/2W.

SUPER-STABLE AFSK or SSB TEST AUDIO GENERATOR  
de W6TQL, Karl

Shorting input changes frequency. Can be used for AFSK on FM or AM. Also usable to test SSB xmtrs with 2-Tone signal. Connect output to mike input for SSB, to TU for RTTY w/ AFSK. For RTTY, input connects to Keyer, TU or polar relay

\*\*\*\*\*

# 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 COPY DEADLINE PAGE 2.

FOR SALE: National radio transceiver units NCS-5 Mark II 200 watts input. I also have rare VX-501 remote VFO, all in mint shape. Will deal on price. Color photos available for stamped SASE. Charles A. Michel, KØQVL, 8720 Charles Street Omaha, NE 68114; phone (402) 391-3782

FOR SALE: HW100 transceiver with HP 23A power supply-clean. Equipped with improved dial; CW-400 HZ filter; handheld microphone; 3" Rotron ventilating fan; encased loud speaker and digital read-out. Bert R. Baumgardner, WØEN; phone 571-4877

FOR SALE: Clegg Venus — 6 meter SSB transceiver, with power supply and external VOX unit, also external phone patch.

Clegg Apollo — 6 meter KW PEP SSB linear amplifier with connecting cables. Both Clegg rigs have new finals, have no scratches, are in mint condition and super clean; original owner.

Teletype Model 19 — complete teletype with table and local loop supply, tape punch and TD included; technical manuals provided.

Terminal Unit — TU-ST-5 wired complete with scope and power supply, complete with autostart and AK-1 AFSK.

Hygain 6 meter 6 element beam with mounting hardware complete.

Make offer for above equipment to:  
Frank Wolczak, WAØIWF, 3120 U Street,  
Omaha, NE 68107; phone 731-3072 after 5 PM  
or 333-2288 during the day.

WANTED: Heathkit Model SB-620  
Tom Mulick, WBØTMI; phone 571-8650

\*\*\*\*\*

(Continued from Page 17)

Robert J. Foster, WØWRE  
111 South 51st Avenue  
Omaha, Nebraska 68132

J. E. (Jerry) Perkins, WBØVUR  
3216 Whiteman Drive  
Omaha, Nebraska 68123

Dorian F. Lee, WBØYQZ  
1730 South 116th Street  
Omaha, Nebraska 68144  
New phone: 334-5205

Samuel S. Kaplan, WDØBVH  
New phone: 551-5658

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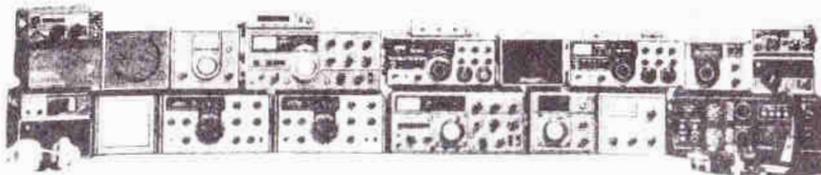


Inc

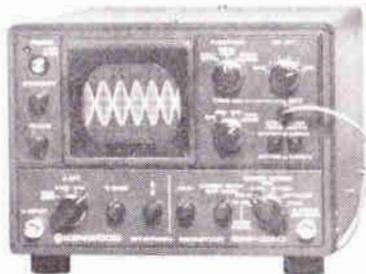
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COUNCIL BLUFFS, IOWA 51501  
(712) 323-0142

 **KENWOOD**



The MC-50 dynamic microphone has been designed expressly for amateur radio operation as a splendid addition to any Kenwood shack. Complete with PTT and LOCK switches, and a microphone plug for instant hook-up to any Kenwood rig. Easily converted to high or low impedance. (600 or 50k ohm).



The SM-220 is an extremely useful and unique station monitor. It allows you to monitor your transmissions, monitor incoming signals and monitor the amount and strength of band activity\* and performs as a general purpose 10 MHz oscilloscope, as well.

\*With BS-5 or BS-8 pan display option.



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The Kenwood HS-4 headphone set adds versatility to any Kenwood station. For extended periods of wear, the HS-4 is comfortably padded and is completely adjustable. The frequency response of the HS-4 is tailored specifically for amateur communication use. (300 to 3000 Hz, 8 ohms).

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