



# HAM HUM

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



November 1980

Vol. XXX  
No. 11



**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.

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 .. Richard D. Jugel, KØDG  
Phone: 572-9491

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. is Nov. 21st**

**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

**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

## NEXT MEETING

WHEN: FRIDAY, NOVEMBER 14, 1980

TIME: 7:30 P.M.

WHERE: DOUGLAS/SARPY COUNTY CHAPTER  
AMERICAN RED CROSS  
38th and Dewey Avenue  
Omaha, NE 68105

PROGRAM: RICH BARNETT, DX ASSOCIATION,  
with a presentation on the DX-pedition.

VISITORS WELCOME — REFRESHMENTS

\*\*\*\*\*

## THE PREZ SEZ

Once more, the Ak-Sar-Ben Amateur Radio Club has been given first-class national recognition. One of our members, Reynolds Davis, KØGND, has been chosen as the Midwest Amateur of the Year! The award was presented at the Midwest ARRL convention in Lincoln, Nebraska on October 11, 1980. Paul Grauer, the ARRL midwest division director, presented the award on behalf of the ARRL. Oh — one other minor point — Reynolds is also the President of the Lincoln Amateur Radio Club (I found this out from WØGFQ during the piano bar session).


At the risk of violating copyright laws, I am going to copy the description of Reynolds' public service accomplishments from the convention program. Many of the readers of Ham Hum are not from the local or surrounding area and may not be aware of the outstanding service record Reynolds has compiled.

"Reynolds Davis, KØGND — in his fifth term as President of the Lincoln Amateur Radio Club (1974, 75, 76, 78, 80), Reynolds has helped the Club grow from a 65-member group in 1974 to its present strength of 312. He has received eight Public Service Awards, is EC for Lancaster County, represents the Øcall area on the Public Relations Advisory Council (PRAC), is a PRA, recently was awarded a phone DXCC, and represents Nebraska in a variety of HF contests each year. Reynolds received his Novice ticket in Des Moines, Iowa in 1956, and now holds an Advanced

class license. He is a Product Manager at Norden Laboratories, is a member of the Board of Directors of the Lancaster County Chapter of the American Red Cross, has served as Chairman of the City/County Civil Defense Disaster Preparedness Planning Committee, is the Executive Advisor to a Junior Achievement Company, and is a member of the Lincoln Advertising Club and the Lincoln Chamber of Commerce."

Congratulations, Reynolds, for a super-fine record, and for setting a standard of excellence to serve as an example for amateurs worldwide!

And speaking of excellence..... The Lincoln Amateur Radio Club deserves the award for Host of the Year for the super job they did of promoting and hosting the Midwest ARRL Convention. The Hilton Hotel proved to be an excellent convention center, and the program speakers were of top-notch quality. I especially enjoyed the W1ICP banquet presentation — even though some of the slides were X-rated (my XYL thought Lew looked pretty sexy operating that rig in the bathtub)!

And how about the Pioneer Amateur Radio Club! The fellows from Fremont decided a while back that a good club project would be to sponsor a DX-Pedition. However, they did not think that Navassa Island would be good for a few more years, due to the recent visit in 1978 by NØTG, et al, so they decided to really rough it and try Boystown. 

All kidding aside, it was a great idea, and the weekend of September 27-28 found the Pioneer Amateur Radio Club handing out Boystown QSO's amidst pile-ups galore! They operated from noon Saturday until noon Sunday from the west side of the fieldhouse, and I understand special QSL cards are being printed by Boystown to commemorate the event. My personal thanks to NØAIH, KAØAAB, NØAZF, and WBØ-double-yew-oh-tee for helping put up the tower and tribander (the Ak-Sar-Ben club loaned the Fremonter's some antennas). In addition, Vern, WBØGQM, helped with the antennas and also did some operating there in the dead of night.....

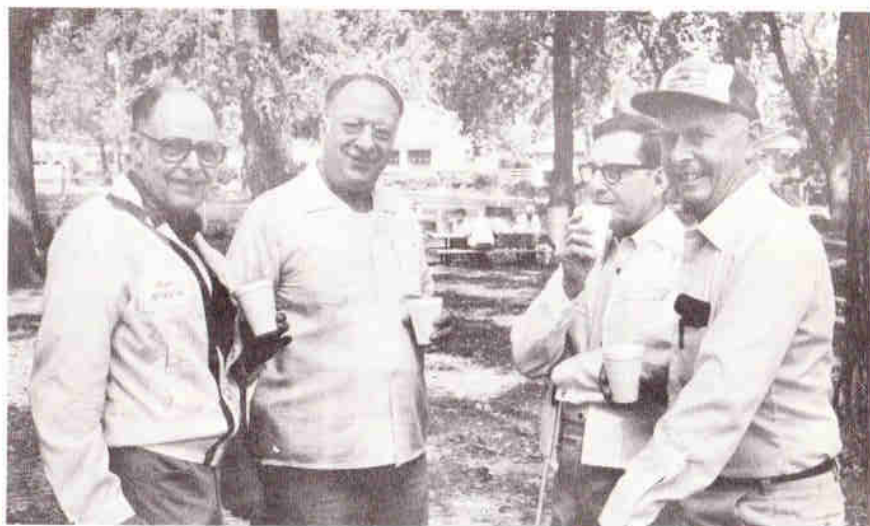
Mac McLaughlin, WAØBMJ, has been unexpectedly transferred for a couple of years to Mobile, Alabama. Mac is a member of the Board of Trustees and the Treasurer of the Club. I would like to thank Mac, on behalf of the Club, for his service over the past two years. Hope to see you back soon, Mac, and we'll watch for your "Good Buddy" on 34/94 when you're here to visit.

Wow — I'm entering and editing this stuff on the computer, and I just played it back to see if I had about covered everything. I am definitely getting windier or more things are happening (maybe everyone got back from vacation)! At any rate, I did want to mention the October 4 ARES emergency test, where damage assessment traffic was accumulated in the Omaha area and transmitted to Lincoln and back via RTTY. Now maybe it's just because I'm an RTTY nut that the test excited me, but look-

ing back, I think it was more the planning, execution, and net discipline that impressed me. The damage assessment took place without a hitch. All reports were then assembled at the Omaha Red Cross and keypunched into a computer for RTTY transmission via two meters to WDØDLN in Northwest Omaha at 100 WPM. DLN then transmitted the traffic at 60 WPM 2 M simplex to WAØWRI in Lincoln, who turned it around and transmitted it right back! The traffic was then checked for errors, and none were found (except for the LID who fired up by mistake at 100 WPM and QRM'ed WRI's transmission from Lincoln for a few seconds). Wish we could find that guy (heh heh).

The nominating committee has met to nominate candidates for officer and board vacancies for the 1981 term. The meeting was conducted on October 6, 1980, with myself (KØDG), WAØDHU, WBØQGV, KØPQR, and WØYZV in attendance. We started with a slate of about 50 active members at 7:30 p.m., and finally ended the balloting about 11:30 p.m. The results of the balloting are printed elsewhere in this issue. Looks like a good slate of candidates, and I hope to see a good turnout at the December business meeting for the election.

73, KØDG  
\*\*\*\*\*



## YOUR ZERO QSL BUREAU IN ACTION

One of the perhaps less known projects of the AK-SAR-BEN ARC is the operation of the Zero QSL Bureau. It acts as a clearing house for the eight states comprising the Zero call area. It is headed up by our coordinator Dick Eilers and managed by Charlie Rodgers, with Alma Rodgers as secretary. Some of the functions of the Bureau are depicted in this article.

Now, a few of the facts around the operation of the Bureau. Last year we sent out over a **TON** of cards and it appears at this time that we will beat that this year. We maintain about 7,000 sets of envelopes on file for mailing out the cards. But even so, we have several thousand cards each year that cannot be sent because someone out there did not provide us with the necessary envelopes and postage. We do our best through Art Gaeth our traffic handler to let people know they have cards waiting in the Bureau. This amounts to around a thousand radio-grams each year. They say a picture is worth a thousand words, so look to the right and save some reading time.

Cards come in from all parts of the world to be sorted by the first suffix letter of the call. This is a function usually handled by Charlie. After the cards are sorted, they are put into the sorters' boxes shown next to the sorting table. Each month the boxes are taken by the sorters to be sorted again by the second suffix letter and associated with the SASE and mailed out.

Alma makes up the envelopes requested by various individuals

who order our 5 x 7 1/2 stamped envelopes. She also opens the mail and puts the SASE's sent in in the sorters' boxes.

Alma also acts as a sorter and associates cards with envelopes, then mails them out for her letters.

Those cards that have no envelopes are then filed in the dead file (far right), where they are held for a year, then destroyed if not claimed. Destruction of these cards is our most frustrating job, but it has to be done. Probably most of these cards are transposed call letters as well as bootleggers, but the paper shredder seems to digest them very well.

\*\*\*\*\*

### AARC CODE & THEORY CLASSES WINTER — 1980

Ak-Sar-Ben Radio Club code and theory classes, Winter — 1981, will convene Monday night, January 5. Classes will be held on Monday and Thursday nights at 7:30 P.M. for fifteen weeks.

Classes will be at Creighton Prep, 73rd and Western and are free of charge. The classes will include all privileges, Novice through Extra. The textbook used will be announced in the next Ham Hum issue.

Bob Lockwood, WAØDHU  
\*\*\*\*\*



(Continued on Page 12)

Leo Meyerson, National Director of Quarter Century Wireless Association, presenting to Charlie and Alma Rodgers a QCWA Certificate for their efforts in the operation of the Zero District QSL Bureau. He was assisted by D. L. Eilers (W0YZV), Coordinator of the Bureau and a new member of QCWA.

# SURPLUS A L E E S U R P L U S

THE  
"BARGAIN BASEMENT"  
OF  
ELECTRONIC PARTS  
4981 HAMILTON • OMAHA, NB

WE ARE CONSTANTLY  
ADDING NEW ITEMS  
TO THE INVENTORY!

COMPONENT GRAB BAGS  
PARTS MADE FOR  
COLLINS RADIO  
A GREAT BUY! 2/2.99

**SPECIAL**  
6.3VOLT XFMR.  
@ 15AMPS  
USE THEM  
IN SERIES OR  
PARALLEL TO  
GET THE VOLTS  
AND AMPS YOU  
NEED. \$4.95 each

EQUIPMENT CASES  
FIBERGLASS (USED)  
SIZE: 20" H X 17" X 18"  
\$ 5.00 ea.

4CX250B<sup>s</sup>: New \$35.00  
4X150A<sup>s</sup>: New \$15.00  
MANY OTHER TUBES

★ ★ ★ ★ SPECIAL  
OIL FILLED CAPACITORS  
MANY VALUES & VOLTAGES  
LOW LOW PRICES

WE ALSO BUY ALL TYPES  
OF SURPLUS, ANY QUANTITY.  
SEE BOB OR JOHN

OPEN  
WEEKENDS  
AND  
EVENINGS  
CALL  
553-5556

COLLINS  
P.C. BOARDS  
ALL KINDS  
6/2.99

DC MOTORS  
AC MOTORS  
SELSYNS  
MANY TYPES

WE HAVE  
THE FOLLOWING:

- RESISTORS
- CAPACITORS
- TRANSFORMERS
- TOROIDS
- SWITCHES
- BULBS
- FUSES
- PANEL LITES
- PLUGS/JACKS
- RELAYS
- HARDWARE
- CABINETS
- METERS
- WIRE/CABLE
- CONNECTORS
- PLUS HUNDREDS  
OF ADDITIONAL  
ITEMS!

COME ON IN  
AND... BROWSE!

ATTENTION  
"HOMEBREWERS"  
WE PROBABLY  
HAVE THAT  
"HARD TO FIND"  
PART YOU'VE  
BEEN LOOKING FOR.  
IF YOU DONT  
SEE IT... ASK!  
BOB WDCFDE

WRT-2 AUTOMATIC ANTENNA TUNER  
ORIGINALLY BUILT FOR THE NAVY  
OPERATES FROM 115VAC/60CY.  
ONLY ONE LEFT: \$249.00

WE ALSO HAVE:  
MILITARY  
COMMERCIAL

- TRANSMITTERS
- RECEIVERS
- TEST GEAR
- MISCELLANEOUS

VIDEO EQUIPT:

- CAMERAS
- VTR'S
- MONITORS
- MISCELLANEOUS

AND SOME:  
"BOAT ANCHORS"

RF CONNECTORS -  
PROBABLY THE  
LARGEST ASSORTMENT  
IN THE MIDWEST  
IS AVAILABLE HERE!  
WHATEVER YOU  
ARE LOOKING FOR  
WE PROBABLY HAVE.  
AND... AT A  
BARGAIN PRICE.

HYGAIN PLUG-IN  
PWR. SUPPLY/CHARGER  
6.95 VALUE ONLY .95 ea.

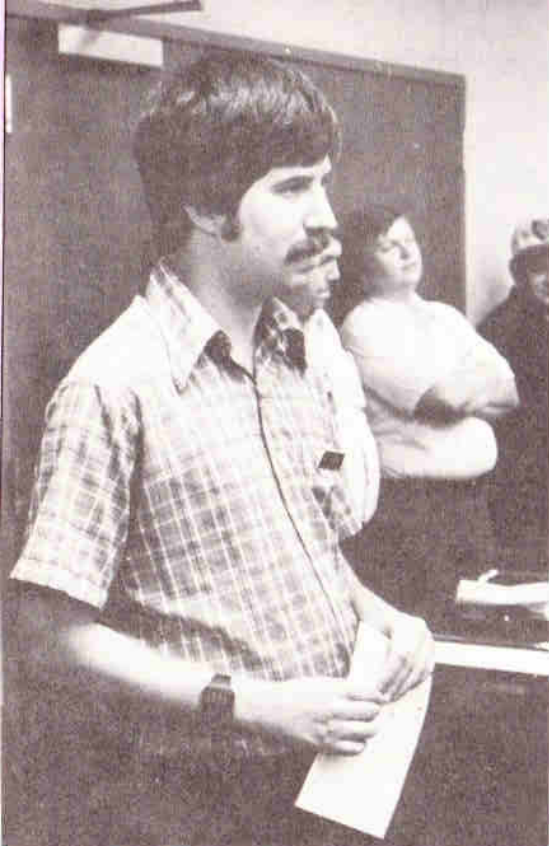
COLLINS FILTERS:  
MECHANICAL/CRYSTAL  
LARGE ASST. IF/BW

MICROWAVE PARTS  
AND EQUIPMENT  
..... ALL TYPES

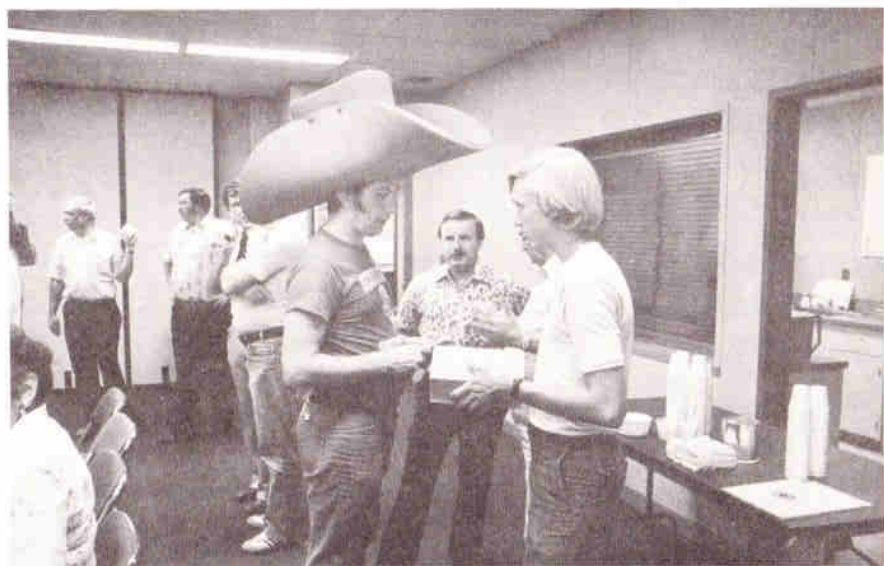
SURPLUS  
A  
L  
E  
E  
S  
U  
R  
P  
L  
U  
S

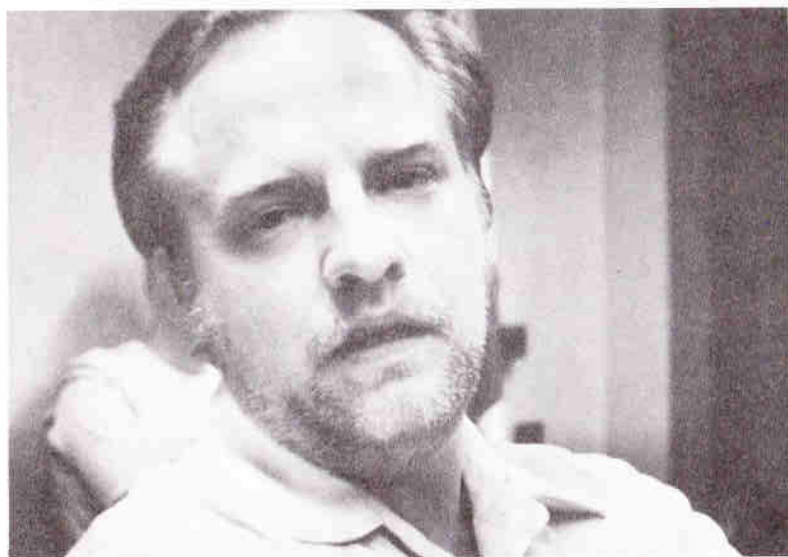
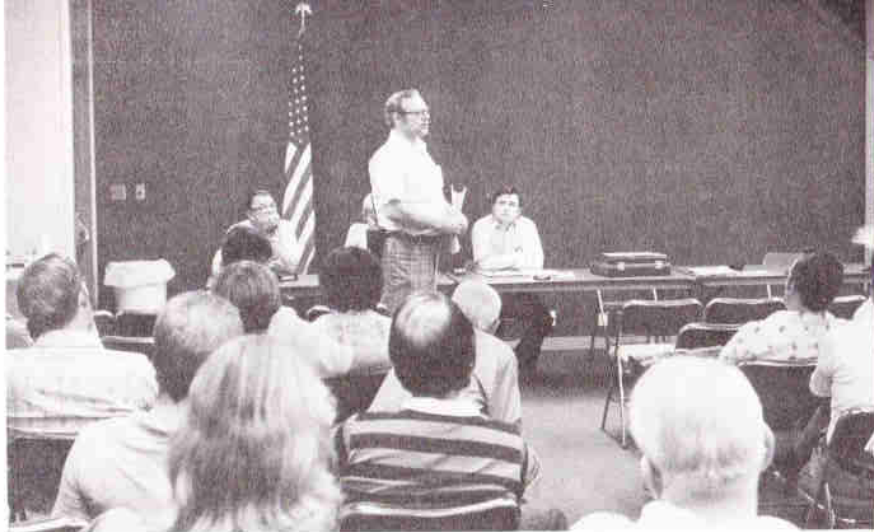
THE  
BARGAIN BASEMENT  
OF  
ELECTRONIC PARTS  
4981 HAMILTON • OMAHA, NB.  
68152





**SEPTEMBER  
MEETING**





## ZERO DISTRICT QSL BUREAU



Top row, left to right: Steven P. Hutchinson, WBØVLL; Robert L. Smith, KDØF; Darrell J. Bermel, KAØEAS; La Vern Labenz, KAØEAD; Charles B. Wolfmeyer, WØKH; Ferris A. Kramer, WØYZK; Donald L. Cogley, KAØCPY; Arthur R. Gaeth, WØFQB, Traffic Handler; Everett P. Dietz, WBØYZR; Ronald P. Faulkner, WDØCFC;

Bottom row, left to right: Harold D. Wetzel, WØFHA; Dalene M. Hutchinson, WBØTTK; Marlene Jugel, XYL KØDG; Alma Rodgers, XYL WØQQN; Charles E. Rodgers, WØQQN, Manager; Elizabeth A. Faulkner, WBØZEX; Mary Ann Cogley, XYL KAØCPY; Lawrence F. Caccamo, WØNMN. Note: Our coordinator, Dick L. Eilers, was in a holding pattern somewhere over Missouri at the time of this picture and the telephoto lens couldn't pick him up.

\* \* \* \*

### Here's what they look like...

Those dedicated volunteers who make up the Zero QSL Bureau. Many hours of tedious work go into a functioning QSL Bureau. It's far too much for any one person to handle alone. These are the ones who dedicate their time to bring you your QSL cards via the BURU.

Each month the sorters pick up their cards accumulated in the hampers. They then proceed to sort and associate the cards with the SASE's in file. This is more complicated than meets the eye as each mailing is

(Continued on Page 15)

**Midlands ARES  
provided com-  
munications  
for the Marathon.**



## PSYCHOLOGY OF JAMMING (an excerpt) by Joe Moell, WA6JFP, in RADIOWORLD

A different approach to the problem of deliberate interference was taken by the Fullerton (CA) Radio Club when "The Psychology of Jamming" was presented at a recent meeting. Dr. Roberta Trieschmann, a clinical psychologist, told the group about the motives of those who maliciously cause QRM and the best ways to get them to stop.

Dr. Trieschmann started out by commenting that interference problems in Amateur Radio seem to parallel our entire society's "me first" attitudes where etiquette and consideration for others is on the wane. Also the anonymity of being a jammer provides a convenient way for frustrated hams to react to the sense of powerlessness they may feel about other areas of their lives.

She had the following suggestions for counteracting jamming.

1) **DON'T RESPOND!** Even if only one person responds in some way, reinforcement and encouragement are provided to the jammer. Remember, what he/she wants is attention. You won't hear jamming on

unbusy repeaters. No audience, no jamming.

2) **REDUCE ANONYMITY.** Unless he/she has a specific vendetta, jammers usually don't jam people they know. Your repeater club or other local ham group should reach out to encompass **all** users and active hams. Who knows, you may turn a jammer into a productive ARES member!

3) **SUPPORT THE FCC.** Letter writing at the national level may help the FCC to get the funding they need to combat interference successfully.

4) **SET AN EXAMPLE.** Put articles in your club newsletter on proper procedure and common courtesy. Make sure your own operating procedure is beyond reproach.

Although not an amateur herself, Dr. Trieschmann received a thorough introduction to our hobby before her presentation, including hearing many examples of jamming on both HF and VHF. Many persons in the twice-normal-crowd attending the meeting commented the fresh views of a non-ham were quite useful.

\*\*\*\*\*



**Need help? Call us. Want to help?  
Call us.**  
**Red Cross is counting on you.**

A Public Service of This Magazine  
& The Advertising Council



## 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:** UHF SYSTEM. One Receiver, 1 Transmitter & Power Supply, 1 Comprod Antenna, 1 450 MHz Beam. All in working condition. Make offer to AARC, Inc., P. O. Box 291, Omaha, NE 68101, Attention: John Gebuhr, WBØCMC, Repeater Chairman.

**FOR SALE:** ICOM 225A, 2M Transceiver. Excellent condition. Best offer, Herb, WAØOCZ, Telephone 556-9584 (home) or 551-1063 (office).

**FREE FOR PICKUP:** QST's Jan. 76 thru Dec. 79; 73 magazines, Jan. 76 thru Sept. 77; Ham Radio Horizons, March 77 thru March 78. Art, WØFQB — 455-3769

**FOR SALE:** Have a lot of older, tube-type FM radio equip. incl. Mot. & RCA; Also old Ferris Microvolter Sig. Generator, as well as many parts, etc.  
John , WØWRT — 556-1538 (Home) or 390-4622 (Work)  
\*\*\*\*\*

### RECENT CONTRIBUTORS

#### MEMBER ADDRESS CHANGE

Stanley Hasterlo  
R. R. #1 — Box 80F  
Waterloo, NE 68069  
\*\*\*\*\*

Ham Hum  
Herb Peterson, WAØOCZ  
Bob Wiles, WØDDL

Repeater 34/94 & 40/00  
Lowell W. Jackson  
\*\*\*\*\*

(Continued from Page 12)

given a personal touch. The insert slip which has become very popular is filled out to let the recipients know where they stand on envelopes for future mailings. The envelopes are carefully weighed to make sure there is the proper postage. We are not permitted to mail on a postage due basis. Our dead files are purged occasionally and radio-grams sent to inform those who are getting cards and have not provided SASE's to claim them. Payday comes when we read the many nice complimentary notes we often receive from our satisfied recipients. That's our only reimbursement.

\*\*\*\*\*



Inc

BOX 864 1601 AVE. (D)  
COUNCIL BLUFFS, IOWA 51501  
(712) 323-0142



# 15 memories/offset recall, scan, priority, DTMF

Touch-Tone™

## TR-7800

Kenwood's remarkable TR-7800 2-meter FM mobile transceiver provides all the features you could desire for maximum operating enjoyment. Frequency selection is easier than ever, and the rig incorporates new memory developments for repeater shift, priority, and scan, and includes a built-in autopatch DTMF encoder.

### TR-7800 FEATURES

- **15 multifunction memory channels, easily selectable with a rotary control**
  - M1-M3: memorize frequency and offset (±500 kHz or simplex)
  - M4: memorize transmit and receive frequencies independently for nonstandard offset
  - M5: priority channel with simplex, ±500 kHz or nonstandard offset operation
- **Internal battery backup for all memories:**  
All memory channels (including transmit offsets) are retained when low. AA NiCd batteries (not Kenwood supplied) are installed in battery holder inside TR-7800. Batteries are automatically recharged while transceiver is connected to 12-VDC source.
- **Priority alert**  
MO memory is priority channel. "Bleep" alerts operator when signal appears on priority channel. Operation can be switched immediately to priority channel with the push of a switch.

- **Extended frequency coverage**  
143.900-148.995 MHz in 500 kHz steps (10 kHz steps)
- **Built-in autopatch DTMF (Touch-Tone)™ encoder**
- **Front-panel keyboard**  
For frequency selection, it provides greater selection memory programming, scan control, and selection of automatic encoder tones.
- **Autoscan**  
Entire band (5 kHz or 10 kHz steps) and memories. Automatically locks on busy channel, scan resumes automatically after several seconds unless CLEAR or mic RTT button is pressed to cancel scan.
- **Up/down manual scan**  
Entire band (5 kHz or 10 kHz steps) and memories with UP/DOWN microphone (standard).
- **Repeater reverse switch**  
Handy for checking signals on the output of a repeater or for determining if a repeater is "upside-down".
- **Separate digital readouts**  
To display frequency (both receive and transmit) and memory channel.
- **Selectable power output**  
25 watts (FM/5 watts SSB)
- **LED bar meter**  
For monitoring received signal level and RF output.
- **LED indicators**  
To show: ±500 kHz simplex or ±600 kHz transmit offset, BUSY channel, ON-AIR.

- **TOPE switch**  
To activate outside functions (include not Kenwood supplied)
- **Compact size**  
Depth is reduced substantially.
- **Mobile mounting bracket**  
With quick-release levers.

See your Authorized Kenwood Dealer how for details on the TR-7800—the remarkable 2-meter FM mobile transceiver.

**NOTE:** Check specifications subject to change without notice and obligation.

Subject to FCC Approval

### MATCHING ACCESSORY:

- KPS-7 (Lead station power supply)



STORE HOURS

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