



HAM HUM

Published by

AK-SAR-BEN RADIO CLUB, INC. - Omaha, Nebr. 68101
Post Office Box 291 - Downtown Station



Vol XXIII
No. 11

November 1973

NEXT MEETING

WHERE: FITZGERALD FRIENDSHIP ROOM
COMMERCIAL FEDERAL SAVINGS
AND LOAN ASSOCIATION
4724 South 24th Street, Omaha
(Free parking in rear off 25th Street)

WHEN: FRIDAY - NOVEMBER 9, 1973

TIME: 8:00 P.M.

WHAT: PAST PRESIDENTS' NIGHT

REFRESHMENTS - EYEBALL QSOs

VISITORS WELCOME

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.



Next copy deadline: November 23rd.

AN INTERVIEW WITH A PAST PRESIDENT Pat Scolla, WBØEGR

Since the program for the meeting this month is Past Presidents' Night, I thought that it would be appropriate to interview one of our former presidents. I talked Father Ray Strange, WØQHG, president of the AK-SAR-BEN Radio Club in 1953, into letting me interview him.

I asked Father Strange how he liked being president and he replied, "It was a lot of fun when I had the time. I had to quit the Club and ham radio because I had too many other things to do for awhile."

When asked if he would like to be the President again he said, "No. Let someone else who has more enthusiasm and is a little younger. What we need is some young blood."

Fr. Strange described what field day was like in 1953. "We always had the problem of getting a location. The Club would get a place and after using it for a year or two, we would lose it. Fortunately, I've noticed that for the last several years the Club has had one location that has been excellent."

Published by
AK-SAR-BEN RADIO CLUB, INC.
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Father thinks that the Club and its activities is a very good drawing card for increasing membership. One of the popular things is the repeater. The Code and Theory class continues to attract a large group. Creighton Prep has received half a dozen inquiries about the classes. With this type of continued interest Fr. Strange feels the Club can count on a growing number of members each year.

NEW MEMBER ADDITION TO ROSTER

Mark L. McGowan, WØNZ
5544 Mason Street
Omaha, Nebraska 68106
Phone: 551-8603

MEMBER NEWS

Gary D. Maples, 7237 Ames Avenue, Omaha, reports a change in his call from K9VTE/Ø to WØOXT. Thanks, Gary, for the info!

NOTE OF THANKS

A letter of appreciation has been received by the Ak-Sar-Ben Radio Club, Inc. from Miss Rose Marie Whiteley, Executive Director, Nebraska-Iowa Midlands Chapter of the National Multiple Sclerosis Society, for the Club's participation in the second annual MS-50 Bike-A-Thon.

We quote in part from that letter: "The Board of Trustees, at their meeting last week, voted unanimously to present the Ak-Sar-Ben Radio Club the Volunteer Service Award for 1973. This will be presented at the Annual Meeting November 15."

OCTOBER MEETING

First of all I have to say to those of you who missed the October 12th meeting, you missed one of the most interesting yet.

Here is what you missed. Rip Riportella, WBØGAJ, brought a Volkswagen full of equipment, about 12.6 Kilobucks worth.

The equipment included a Hewlett Packard 141T spectrum analyzer with: #1 RF tuning unit model #8553, tuning range .01 to 110 megahertz; #2 RF tuning unit model #8554, tuning range 1 megahertz to 1.2 gigahertz; IF section model #8552; RF preamp model #84470, 26 DB gain 100 Khz to 600 megahertz.

In addition to the above, a Hewlett Packard signal generator, model #608E and #652A, with a total range 10 hertz to 480 megahertz.

I don't know what it's worth in bucks, but it's expensive.

The antennas for use with the above were: a vertical ground plane with a range of .25 megahertz to 20 megahertz; a biconical with frequency range of 20 megahertz to 200 megahertz; and a log conical spiral whose range is 200 megahertz to 1 gigahertz.

Can you imagine all of this equipment in Rip's yellow Volks? If he had not packed it carefully in the car, he would have had to leave his XYL Ellen at home. Hi! Hi!

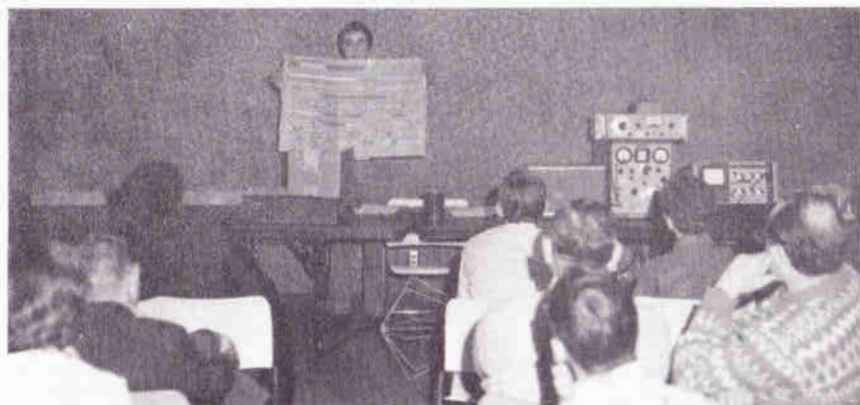
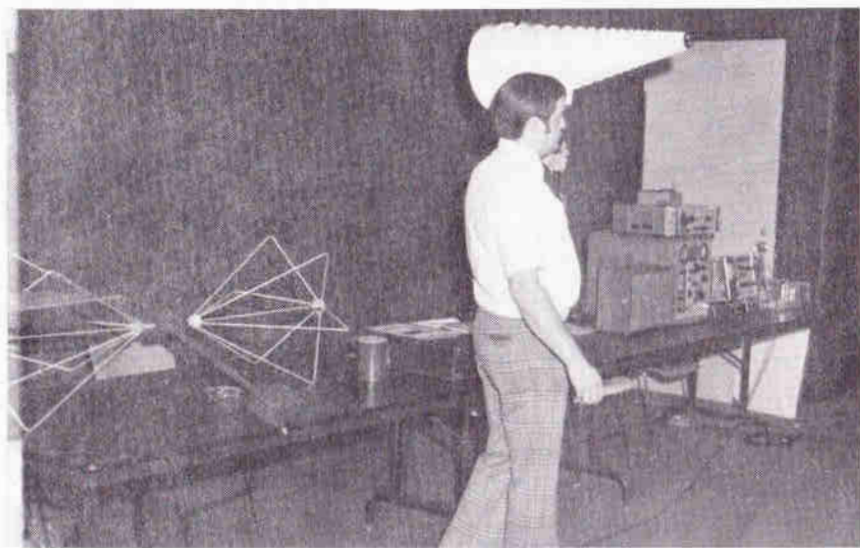
This is some of the equipment Rip is using on a current project for his company and we are fortunate he was able to bring it to a club meeting as most of us never get a chance to see such sophisticated equipment, much less see it demonstrated.

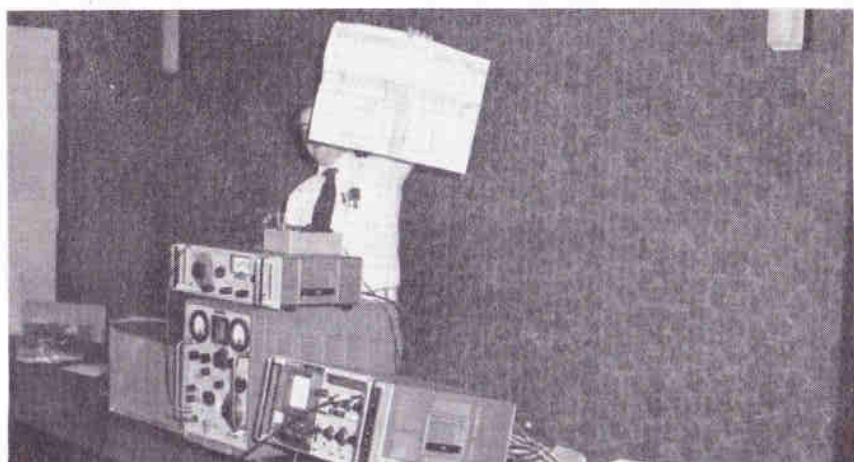
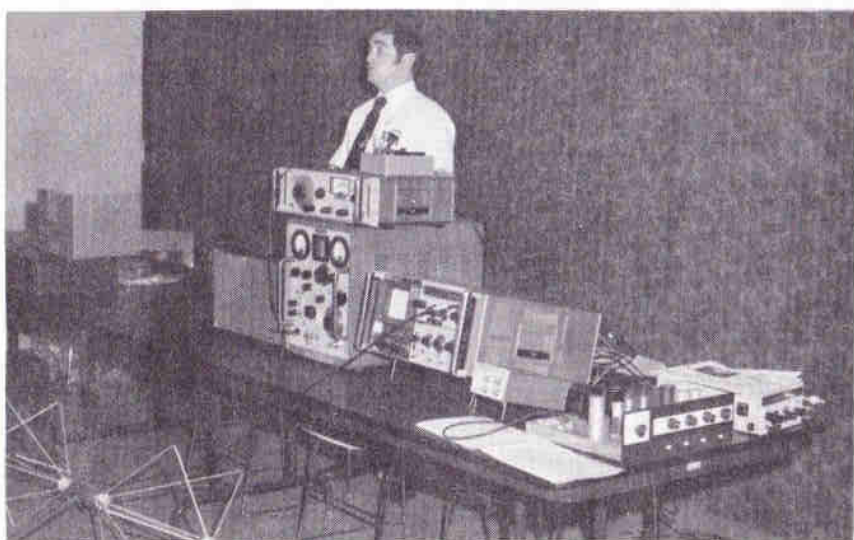
Rip had an audio amplifier connected to the analyzer so we could hear as well as see the signals. The program began with a very thorough trip through the RF spectrum using charts and some homemade devices to help with the demonstration. He then took us from below the broadcast band up through the TV channels visually and aurally.

It was interesting to see the analyzer scan a band and watch the trace start to rise, then hear the station, tune through the signal, and continue across the band to the next station. The scan can be stopped on any signal you might desire.

We thank you, Rip, for a very interesting as well as informative evening.

Russ Minks, WAØVEE







ANNOUNCING AK-SAR-BEN RADIO CLUB TRANSMITTER HUNT

The transmitter hunt will be held on Sunday, November 18, 1973 at 2:00 P.M. Hidden transmitter frequency: 146.94 Mhz. Hidden transmitter operators: Bill Armstrong, KØEFR, and Lynn Blesh, WAØODH.

There will be at least one and possibly two hunts. During the first hunt, base stations will be allowed to coordinate with mobiles to find hidden rig.

During the second hunt, mobile stations only can take part with no help from base stations.

A prize, donated by the Ak-Sar-Ben Radio Club, will be given to the one who finds the PHANTOM RIG. The prize will be given only on the second exercise where mobile station is on his own. However, if time does not permit the second hunt, the prize will be awarded at the end of the first hunt.

Come one, come all. Take part in this event and have a ball!

Note hidden rig has priority on 94. It is recommended that stations communicate on other frequencies during the hunt.

Bob Lockwood, WAØDHU

MEMBER NOTES

Dear Sir: I would like to contribute the enclosed check to the repeater fund. I just got a TR-22 with 94-94, 34-94, 16-76, and 22-82 and am having a ball.

Thanks!
Gene Mockabee, KØDNV

MOTOROLA PLANS NEW YORK RADIO-TELEPHONE NET

In the April issue of Electronic News it was announced that Motorola had applied to the FCC for authority to build a \$5 Megabuck Network for radio transceivers in the New York Area. Frequencies to be used were in the proposed 115 Mhz allocations for two-way applications. A picture shown of a hand held transceiver was a real dandy, including touch-tone buttons for calling. Mobile units will also operate in the system and a computer will be used to sort out the busy channels. With a number of strategically located radio transmitters and receivers and computer control, there is a possibility of 380 radio channels to choose from in the New York area.

We hope the plans work out, as this is the first indication that something may be developed to stop the grab of amateur frequencies, especially in the 220 Mhz band.

de RF Carrier, Dayton, Ohio

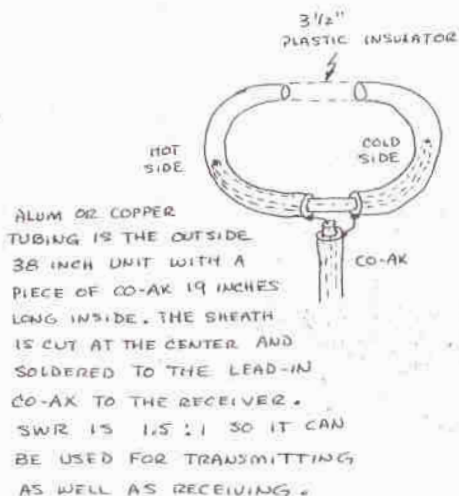
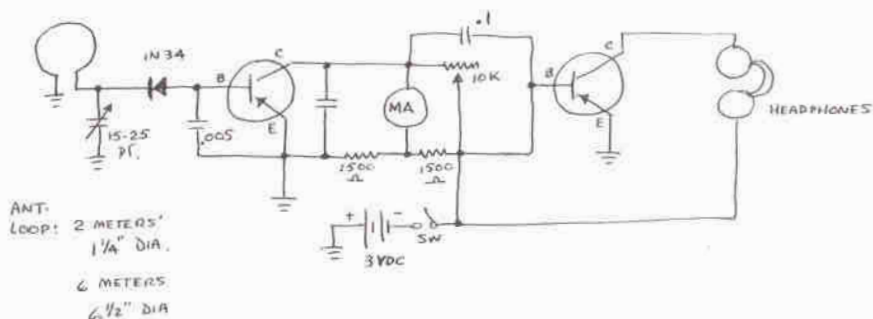
NEBRASKA QCWA CHAPTER NET

The Nebraska QCWA Chapter Net meets every Sunday, 9:30 a.m. on 3980 k.c., with WØFQB as NCS. President, WØGEQ; Vice President, WØDMQ; Secretary, WØFQB; Treasurer, WØVYX. Directors: WØWKP, WØOWR, WØMYT, and WØMW.

Anyone who has had an amateur license for at least 25 years is invited to QNI.

WØFQB, Secretary

SNOOPER FOR TRANSMITTER HUNT
CAN BE USED FOR TWO METER
OR 6 METER BY CHANGING THE
PLUG-IN ANTENNA LOOP.



SNOOPER LOOP FOR
RECEIVER FOR 2 METER
OPERATION

THIS LOOP IS ACTUALLY A DI-POLE ANTENNA BENT TO FORM A LOOP. OVER-ALL LENGTH IS 38 INCHES WITH THE INNER CO-AX 19 INCHES. THIS UNIT WILL BE SHOWN AT THE NEXT AK-SAR-BEN CLUB MEETING.

Bob Andrus, KØLUG
4116 N. 100th Street
Omaha, Ne 68134

An invitation to dinner had been sent to the new physician in town. In reply, the hostess received an absolutely illegible letter.

"I must know if he accepts or refuses," she declared.

"Well," suggested her husband, "take it to a druggist. They can read a doctor's handwriting."

So the woman took the note to a druggist. He looked at it, gave her a bottle of pills, and said, "There you are, ma'am. That will be ten dollars, please."

Sunshine Magazine

Are you "overlogging"? Or, are you lax in your logging because you are not aware of the simplifications that have been made in FCC requirements to make logging easier?

The following *written* entries are required only once, or when there is a change:

1. Signature of the operator and his call sign if not the licensee.
2. Station location. Mobiles within 100 miles may say "local."
3. Final input power.
4. Emission.
5. Frequency band.

The following entries can be recorded in any manner transcribable by the licensee into written form:

1. Date.
2. Name of anyone other than the operator using the station.
3. Record of third party traffic.
4. Calls of stations worked. *Mobiles and Repeaters exempt.*
5. Mobiles: Time in and out of service.
Others: Start and finish of QSOs.

* * *

Are you "over-identifying"? Current rules require *your call* be signed at the beginning and end of an exchange of transmissions and every 10 minutes during the exchange. You need sign the call of the station you are working *only* when signing clear. If signing clear of a group, you need only to sign clear with one call of the group or a recognized net name (or repeater call). Regulations have *never* required you to recite the station's portable or mobile suffix, just your own.

It is only rude to begin and end short transmission in a roundtable

with a complete signing of calls when the others are observing the 10 minute rule.

Are you "over-notifying"? New rules only require notification to the FCC when you will be operating portable at *one* location for over 15 days. Enjoy your vacation.

Les, W6TEE
de FRESNO, CA. SKIP

FOR SALE (Divorce)

QST, Ham radio magazines 1960 up; 40' World spire tower - \$60.00 (asking); miscellaneous equipment and items. All equipment located at my father's home.

Jim Anderson, KØDNE
554 South 25th Avenue
Omaha, Ne 68105
Phone: 344-3637

SELL OR SWAP

Motorola 12/6 volt power converter; Antique Chrysler auto radio, probably around 1936 vintage; Motorola wide mobile housing with dynamotor; Blaupunkt short-wave converter for use with car radio; misc. filter chokes and transformers; table relay rack.

See me at next club meeting for more details if interested in any of above or call 556-1538.

John Snyder, WØWRT

RECENT CONTRIBUTORS

Repeater

Robert Carlson, WAØHBS
Mark McGowan, WØNZ
Mike Wilczynski, WBØBMV
Rev. M. Eugene Mockabee, KØDNV

Auto Patch

Vernon Riportella, WBØGAJ
Mike Wilczynski, WBØBMV

To be the man of the hour first
learn to make every minute count.

de Florida Skip

THE HUMAN MACHINE

If you are an adult of average
weight, here is what you accomplish in
24 hours:

Your heart beats 103,689 times
Your blood travels 168,000,000
miles
You breathe 23,040 times
You inhale 438 cubic feet of air
You eat 3-1/4 pounds of food
You drink 2-9/10 quarts of liquids
You lose 7/8 pounds of waste
You speak 4,800 words, including
some unnecessary ones
You move 750 muscles
Your nails grow 46 millionths of an
inch
Your hair grows 714 ten thousands
of an inch
You exercise 7,000,000 brain cells

And all this activity can be stopped,
never to start again, by one
split-second accident!

de NEA News

FOR SALE

DX-35 and Lysco VFO-381 (good
novice rig); NC-240D receiver; Heath-
kit oscilloscope 0-11. Make offer by
mail.

Gene Mockabee, KØDNV
P. O. Box 280
Plattsmouth, Ne 68048

"LIFE IS PECULIAR"

Man comes into the world without
consent, and leaves it against his will.
During his stay on earth his time is
spent in one continuous round of
contrariness and misunderstandings.

In his infancy, he is an angel; in his
boyhood, he is a devil; in his
manhood, anything from a lizard up;
in his duties, he is a fool. If he raises a
family, he is a chump; if he is a poor
man, he is a poor manager and has no
sense; if he is rich, he is dishonest, but
considered smart.

If he is in politics, he is a grafter
and a crook; if he goes to Church, he is
a hypocrite; if he stays away from
Church, he is a sinner; if he donates to
charitable institutions, he does it for
show; if he doesn't, he is mean.

When he first comes into the world,
everybody wants to kiss him - before
he goes out of the world, they all want
to kick him. If he dies young, there
was a great future before him - if he
lives to ripe old age, he is in the way
and few want him. So... life is a
peculiar proposition after all. (copied)
WAØPZP.

(reprint from

The Breakfast Club News)

de FEARL

**FROM: ROY L. ALBRIGHT, W5EYB, DIRECTOR
WEST GULF DIVISION ARRL**

(Through the San Antonio Radio Club Bulletin)

Amateurs by the hundreds are writing FCC protesting the proposed rape of amateur frequencies in order to solve the CB mess on 27 Mhz. The proposal to move CB'ers to 220 obviously is NOT the answer, and such move would create additional financial hardship for that law-abiding group of CB'ers who are properly using their assigned frequencies. Why penalize them too? The FCC proposal is ironical in a number of respects. Very few Cbers requested the change. The EIA are the major proponents, and their proposal was predicted upon the thought of huge financial windfall from sales of 220 Mhz gear. By hindsight they need only take a look at the flood of 2-meter transceivers from Japan to see the same thing on a far greater scale will occur on 220 leaving U.S. manufacturers holding the bag. Too, if the engineering geniuses in FCC believe a transceiver can be designed that cannot and will not be shifted and its safeguards defeated to permit its operation on adjacent 220 Mhz amateur channels, they had better retake their correspondence courses. And finally, if he in FCC who makes rules believes one can transform a criminal into a law-abiding citizen by ordering him to shift frequency - that person is more naive than we expect in one who occupies such a high position of responsibility.

Early this week, FCC belatedly extended permission for continued operation of VHF repeaters, for those who had filed applications prior to 31, August AND who had been in operation before 17 Oct. 1972. The
November 1973

new repeater regulations continue to pose difficult, unnecessary and seemingly insurmountable problems for repeater operation. ARRL will file a new petition requesting modification and simplification of the rules as soon as it can be properly put together. This is a most difficult task and if we expect to get results from it, it must be composed in a manner acceptable to the Commission. At best, we can expect to have to operate under the current rules for an extended period of time - and hope no fatalities occur because our repeaters are off the air to comply with some pending FCC regulation.

John Huntoon, ARRL General Manager, informs me his staff is continuing their liaison work with FCC in an attempt to clarify the repeater licensing situation. It appears the Commission expects to issue some new forms which should simplify applications. Since they must first obtain concurrence of the budget bureau, ARRL plans to make copies of the proposed forms and mail them to members of the Repeater Advisory Committee. The new forms will be of no benefit to those organizations who have their new license. They should be of help where FCC returns applications for changes, or for initial applications. We have some hope the FCC will soon give us a clarifying interpretation regarding notification in case of configuration changes to repeaters. - 73,

Roy L. Albright

de H.A.R.C. News

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Hi Hobby
Industry



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THE FM27-B DOES IT ALL! NO MESS'D FREQUENCIES—FULL COVERAGE EVERY kHz, 146 TO 148 MHE. ANY COMBINATION WITH INDEPENDENT TUNING OF TRANSMITTER & RECEIVER, THROUGH A STABLE CRYSTAL SYNTHESIZER, COUPLED WITH THE POTENT 25 WATT/OUTPUT. IT MAKES IT THE ONE RIG THAT **DOES IT ALL**. LOTS OF OTHER GREAT FEATURES TOO!!

SALE—with AC supply — \$499.95

SALE

FM27B with AC
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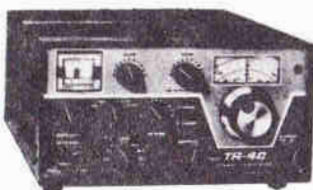
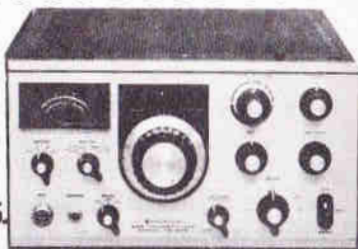
A VALUE-LEADER IN AMATEUR RADIO EQUIPMENT. THE TS111-S COVERS ALL HAM BANDS—80/10M, SSB/CW, WITH A HURRY 500 WATTS PEP, 300 WATTS CW. GREAT FEATURES TOO! VOX, CAL, BLANKER, RIT (receiver incremental tuning), precise 1 kHz dial cal., 4-beat-on, 8 POLE-2.4 kHz FILTER, USES 10 TUBES, 1 IC, 4 FET, 37 TRANSISTORS, 52 DIODES. BEAUTIFUL STYLING AND A GEAR DRIVEN GEAR THAT HAS THAT "SMOOTH" FEEL. SPECIAL INCLUDES AC SUPPLY/SPEAKER

SPECIAL (2 ONLY) TS111-S & AC—\$499.95



"KENWOOD
TS-511S"

**SALE
PRICE
\$495**



Drake
TR-4C

SALE PRICE

\$549.00

ALWAYS A GREAT VALUE ——— DRAKE'S TR-4C

NEW IMPROVEMENTS THAT MAKE A GOOD RIG EVEN BETTER! NEW DIRECT 1 kHz CALIBRATION, IMPROVED AUDIO & AGC, A GREAT FIXED OR MOBILE RIG, COVERING THE 80/10M BANDS WITH INPUT POWERS OF 300 WATTS PEP/SSB AND 200 WATTS CW. SEPARATE FILTERS FOR USB/LSB, SEPARATE DETECTORS FOR SSB/CW & AM, VOX, CW BREAK-IN WITH SILETONE, CALIBRATOR AND A HOST OF OTHER TOP FEATURES. OPTIONAL ACCESSORIES AVAILABLE.

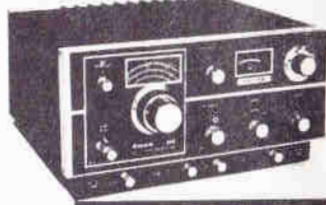
SPECIAL (2 ONLY) TR-4C less accessories \$549.00

SS-100 **SWAN** ELECTRONICS Total "Solid-State" 80-10M

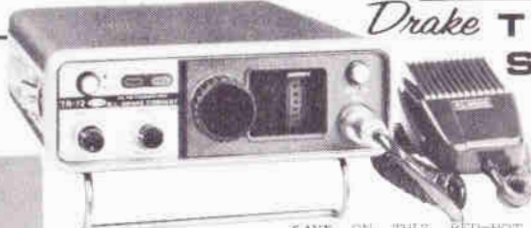
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PRICE**
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HERE'S ONE OF THE NEW GENERATION—A TOTALLY SOLID-STATE TRANSMITTER, OPERATING DIRECT FROM 12VDC—PLUS NO FINAL TUNING! JUST SELECT YOUR BAND! 80 TO 10M, SET THE VFO AND TALK!! 100 WATTS SSB/PEP AND LOTS OF FEATURES LIKE CALIBRATOR, BLANKER, VOX SWR PROTECTION & MUCH MORE. OPTIONAL AC \$89.00



Drake **TR72**
**SALE
Price
\$289.**



SAVE ON THIS RED-HOT VALUE! 23 CHANNEL CAPABILITY, SUPERIOR SELECTIVITY, SOLID STATE FOR USE ON 12VDC, FULLY METERED, 10 OR 3 WATT OUTPUT, WITH DRAKE'S HIGH RELIABILITY INCLUDES CRYSTALS FOR 146.347 & 9.94 AND 146.52 SIMPLEX, ALSO THE MICROPHONE, DC CORR., 4 POSITION MOB. MOUNT, AND AUX. PLUG/SPEAKER, ETC. 1 BIG FUN ON 2M-FM
SPECIAL (1 ONLY) TR-72 COMPLETE ——— \$289.00



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