



HAM HUM

Published by

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



Vol. XVII
No. 6

June 1967

JUNE 9TH MEETING AT GMTC Friday - 8:00 P.M.

The next meeting of the Ak-Sar-Ben Radio Club, Inc. will be held at the General Motors Training Center.

The meeting will consist of a short talk on the AREC and then Bob Lockwood, WAQDHU, will give his report on Field Day coming up. Anyone having slides of previous Field Days, please bring them. Boys Town has already made the statement that they are going to "box our ears."

The General Motors Training Center is located at 225 North 80th Street - just north and west of 78th and Dodge Streets. Park at the rear of the building in the parking lot. Our meeting will be held in the auditorium.

ANNUAL STEAK FRY
CENTRAL NEBRASKA AMATEUR
RADIO CLUB
JULY 30, 1967
VICTORIA SPRINGS STATE PARK

For information, contact Lawrence Lindley, WQIRZ, Anselmo, Nebr. 68813.

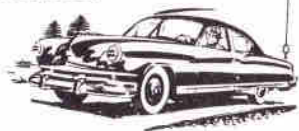
Dear Members and Friends:

Certainly miss hearing about the goings on in the fine club of AK-SAR-BEN. I have been in Peru two years and am now OA4UZ. Perhaps I will be remembered better as WA6HWB (Hard Working Boy). Sure Sure would be nice to hook up with some of you old goats once in a while if not oftener. My QTH is Av. Nazca 340 (Jesus Maria) Lima, Peru. Home phone 32099. Work 20-15-10, upper end of band. This is DX haven and not only that, it is good. Should you be interested in some news about So. American ham activities I would be glad to contribute a few notes once in a while for the mag. Very 73 to all and look around the top end of 20 evenings at 11 P.M. Eastern Standard Time. When in town you will find me there. I am still making motion pictures, in Spanish yet!

73 all,
Harry R. Smith

(Editor's note: We will be glad to receive any South American information Harry might send as we are sure it would be interesting to our members. We'll try to send him an issue of our magazine now and then.)

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.



LET US STRENGTHEN THE AK-SAR-BEN RADIO CLUB

A few dedicated hams made up their minds to do something about Field Day this year. We're out to score continuously all day with heartening results. We have a right to be happy as a lot of hams are doing more than complaining. They're getting on the ball as the Ak-Sar-Ben Radio Club and organizing together. We've reached hams who never before attended or participated in a Field Day nor had any idea what was transpiring. The results thus far look very optimistic, but we do need more operators. Contact Bob Lockwood, WAØDHU, Field Day Chairman (Phone 451-7233) to do your share. A beautiful walnut plaque of Nebraska's state outline with name and call-letters will be awarded to the most outstanding and hardest working person during Field Day.

Erv Heinz, WAØEEM
President

SILENT KEY

Harold R. Gruhn
EX-KØYYI
May 5, 1967

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AK-SAR-BEN RADIO CLUB, INC.
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HAM HUM HISTORY

Hi Dear Hams:

I am glad to say hello. I have some old and new news from Ham Hum since the paper began in April 1951. (Hope to publish Ham Hum history in September.) Did you know we had up to 22 presidents in the Club? Hard to believe, is it not? And maybe the March 1967 issue of our paper could be the largest yet. On March 9, 1956 we began meetings at Ak-Sar-Ben. (I wasn't at this meeting for I was 3 days old.) I'd better say "Good-bye all ye Hams."

William Paul Snyder
Son of John Snyder, WØWRT

Ak-Sar-Ben Radio Club:-

Sure enjoy reading Ham Hum. Sure miss the Club meetings. Perhaps we will make contact on Field Day.

Enclose \$1.00 for postage and will you please correct my address as below. Thanks and 73.

"Beck"
W. Lee Beckley, WØSRR
710 First Street N.W.
Hartley, Iowa 51346

To Al Sar-Ben - Radio Club
Council Bluffs

I want to QSL a fine Club and
a real Group of fellow Amateurs.
You fellows no doubt have one of
the finest Radio Clubs in U.S.A.
I thoroughly enjoy the Ham Hum
and look forward each month to
receiving it.

Which I can also say I enjoyed the
contact with you too, on 6 meters, a
few months back. Sorry don't have more
of those QSLs, but my hand is in
Texas is getting smaller, no more cowhides
to past QSLs to you fellows

Moon Mullins
Houston

MAY MEETING

The regular monthly meeting of the Ak-Sar-Ben Radio Club was held at the plant of Galaxy Electronics and World Radio Laboratories in Council Bluffs on May 12th. Attendance consisted of 36 members and guests. Vice-Pres. John Snyder, W0WRT, presided over the meeting, which was held immediately following the tour of the manufacturing facilities of Galaxy and the business offices of WRL. During the tour of Galaxy, several of their staff technicians were on hand to explain the various phases of manufacturing and testing.

Al McMillan, W0JJK, gave a brief explanation of WRL's business operations. At the Club meeting, a "Texas-style QSL Card" was shown to the members, compliments of Mr. Moon Mullins, K5AKY, of Houston,

Texas. This QSL card is made of cowhide and is a beautiful piece of workmanship (see next page).

A certificate showing 20 years membership in the Club was awarded to Al McMillan, W0JJK. It is almost needless to say that Al has done a lot of good for the Club in these past twenty years. Among other things, he has served as former associate editor of our Ham Hum; he has been on the Board of Trustees, also served on one of the convention committees in 1961. Also, whenever the Club has been in a bind for a program, Al has always come through with a helping hand.

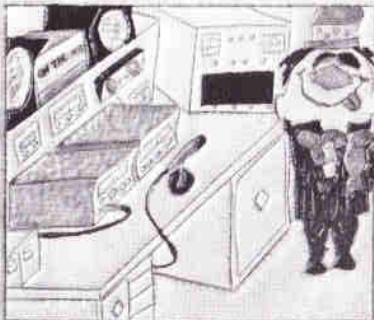
The meeting was kept short because of time limitations and was adjourned for the usual coffee and doughnuts.

John, W0WRT

TEXAS Q.S.L. TO AKSAP. Real Radio Club

MOEN MULLINS

We Run A
Tight
Ship
HERE



But, Lately
Some of us
Have Been
Getting Tight
A Little too
OFTEN

K5ARY

1438
FREDONIA DR
HOUSTON 55
TEXAS

LUCKY LOUIE SCORES AGAIN

WQVLI, Lou Cutler, attended WRL's "Ham Jamboree" on May 20th. Prizes and Specials were the order of the day. Lucky Louie, with his Ham License in hand, was overheard saying, "Aw, I never win anything!" So he goes about his business, meeting and talking to all the leading manufacturers' representatives and all the Midwest Hams. And suddenly he couldn't believe his ears; he heard the page for unlucky Louie, WQVLL. He quickly gathers his senses and picks himself off the floor and *flies* up to the counter. Everyone knows Louie has his

pilot license in his other hand. "What'd I win? What'd I win?" shouted Louie, "the SWAN-500 or the Galaxy V Mk2??" They gave him the ten-foot pole to be used for not touching things with. Yes, inside this ten-foot box was a Mosley Tri-bander Beam! And who does he run into as he makes his way toward his mobile--Andy Ambrose of "Hy-Gain." Have you ever seen a ham try to stick a ten-foot beam under his crotch? Yep, Happy Lucky Louie is now deciding between his two loves.

Jay McAleer, WA0LLQ, won a Single Side-Bander.....book.

FIELD DAY 1967

Well, here it is June already. It doesn't seem possible but Field Day is close at hand - to be specific, June 24-25. Your Field Day Committee has been hard at work getting rigs lined up for the big day.

While at the Field Day site, we decided how the rigs were to be placed. This is the best site I have ever seen. It is on fairly high ground, out away from such QRN as high power lines and super highways. Also, there is a real nice shelter which will house the cook shack, space for eating, and the 20 meter station, plus the 80-15 and 10 meter station. The 6 meter station will be on the highest ground with its beam on the tower which is on the Club mobile unit. The 40 meter station will make use of this tower also for its antenna.

There will be four rigs running this year instead of three. They are as follows: 6 meters, 20 meters, 40 meters, and 80-15-10 meters. We decided on four rigs for two main reasons. First, it will give more people a chance to operate and take part in Field Day; and second, we believe we can average more contacts per rig and, therefore, increase our chances to make a better showing.

World Radio Laboratories - "The House the Hams Built" - will loan us three Galaxy V transceivers. In behalf of the general membership of the Ak-Sar-Ben Radio Club, Inc., the Field Day Committee expresses sincere appreciation to WRL for the use of these rigs.

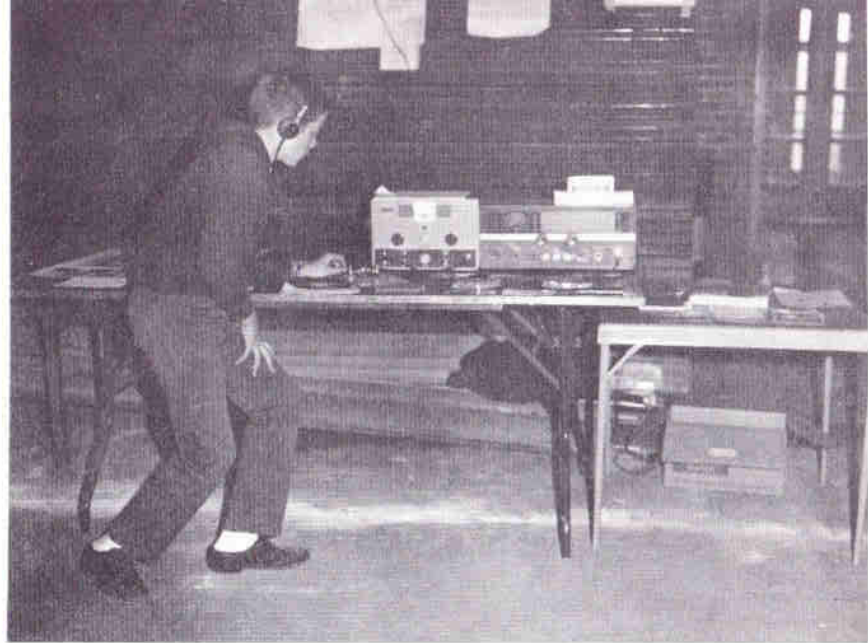
At the June 9th Club meeting the main topic will be Field Day. Slides will be shown of previous Field Days. Also, everything will be submitted to the general membership, and at that time we will take care of last minute problems. We need someone who will take the responsibility of getting up the 40 meter station. Anyone interested should call Bob Lockwood, WAØDHU, at 451-7233 for details. The rig is secured, plus the antenna and shelter for the station, so the job isn't hard. Also, anyone who wishes to operate and log should be ready to volunteer at the next meeting.

An item of interest - a prize will be given for the most active person at Field Day. This includes everything from operating to chief cook and bottle washer. Get more details at the June meeting.

Your Committee has worked hard the last few months getting everything organized, but the final test comes on June 24-25. Field Day is a Club project and, therefore, how well we do depends on each and every one of us. Let's make this a Club project and make Field Day 1967 the best ever.

We have two challenges this year: Bellevue Amateur Radio Club, WØWYV, and the Boys Town Amateur Radio Society, WAØOGI. How about it gang? Let's show 'em how to rack up points!

Bob Lockwood, WAØDHU
Chairman
Field Day Committee



P. H. Connell "Pat," WNØPMW, 2732 South 13th Street, Omaha, Nebraska

SCIENCE FAIR

It was very gratifying to see a novice ham radio operator at the key among the Omaha area display of science projects at the Science Fair which was held in the Field House, University of Omaha. Pat, WNØPMW, was operating a Heath HX11 transmitter on a quarter-wave dipole antenna with a Hallicrafter S-108 receiver. Here are Pat's own words about his project:

"Radio was invented by a man working on his own with his own resources. All of the early advances in communication were pioneered by men working on their own. Even today, with all of the complicated and costly laboratories owned by large companies, many of the new discoveries are first tried out by the scientists at home using their amateur radio licenses.

"A radio amateur starting out on code learns to tune his ears as well as his radio, and after a number of years of code it is almost a second language to him. There is only one way a man can get 10 years' experience: - that is to start 10 years prior to the time.

"This is amateur radio: - You can start small, there is no limit to how far you can go. For the beginner, the first problem is an antenna - how can it be installed in a modern residential neighborhood and still look right? After that comes the problem of operation. Then he is ready for a transmitter with power, and then come modifications to the receiver. There is no stopping place."

by Dave Moses, WAØGED

NEBRASKA CENTENNIAL
BULLETIN

ARRL MIDWEST DIVISION CON-
VENTION AND NATIONWIDE QSL
BARBECUE

June 24 & 25, 1967 ---
North Platte, Nebraska

June 24, 1967 the ARRL Mid-
west Division Convention will be
held at North Platte, Nebraska, with
the Holiday Inn serving as Con-
vention Headquarters. Registration
will begin at 10:00 a.m. All those
attending must register at the desk,
and they will be given an I.D. Badge.
Registration will be \$5.00.

The North Platte Radio Club
will start monitoring 3.950 and
3.982 Friday, June 23 at 9:00 a.m.,
and will continue as talk-in stations
throughout the day and evening.
Talk-in stations will be set up at
Convention Headquarters by 9:00 a.m.
Saturday, June 24, 1967. Sunday
June 25, 1967 talk-in stations will
be set up at the Lincoln County
Fairgrounds by 9:00 a.m. Two meters
will also be in operation during
that time.

The Convention program will
start approximately 1:30 p.m., with
a forum conducted by ARRL officials.
This will be followed by a meeting
concerning the Nebraska Amateur
Radio Clubs and future programming
of Conventions, etc.

At 3:00 p.m. Mr. Herman Philcheck
from Washington, D.C. and repre-
senting Air Force Mars will conduct
a meeting and speak on subjects

of interest to the Amateurs. This
will be followed by displays and
talks by officials from Hy-Gain
Electronics of Lincoln, Nebraska on
beams, antennas, etc.

At 4:00 p.m. C. J. Walker,
W4SSN, Assistant Chief from Wash-
ington, D.C. representing Navy
Mars, will conduct a meeting of
interest to the Amateurs. This is to
be followed by a gallant young
speaker representing Boys Town in
Omaha, Nebraska. Boys Town Radio
Club will be working Field Day at
these events, with special QSL cards
made up for this occasion.

At 5:00 p.m. there will be a break
until approximately 6:15 for the
Banquet. The Invocation for the
Banquet will be given by Father
Kremier, W0GMS, from Sutherland,
Nebraska.

Following the Banquet, the next
O.T. will be honored and inducted
into the Nebraska Amateur Radio
Club Hall of Fame. Immediately
after, Convention prizes will be
given, climaxing the 1967 ARRL
Midwest Division Convention. A
Convention like this is only as good
as the Electronics Firms and Ama-
teurs want to make it, so give your
support to your ARRL Convention--
put Amateur Radio on the map--and
make it one of the best.

During this entire day, WRL and
Galaxy Electronics will be having
the famous Galaxy in operation and
other Amateur gear on display.
Hy-Gain Electronics will display
their beams and other products of
interest to the Amateurs. Halli-
crafters will demonstrate the "Mite

of the Mighty" S.R. 2000 transceivers, plus other Hallicrafters gear. Other electronic firms have indicated they will be present. There will be an ARRL display and literature of interest to the Hams.

A Trophy will be given to the Licensed Amateur that has traveled the farthest distance. A prize will go to the youngest amateur and also to the oldest ticket represented, when registering for oldest ticket. Proof must be presented, such as an O.T. certificate or copy of first ticket with date will be accepted. A Swap table and a For Sale table will be available, so bring your extra gear or trading stock.

June 25, 1967--the Nationwide QSL Barbecue will be held at the Lincoln County Fairgrounds, approximately 4 miles west of North Platte. Prime Nebraska Beef will be furnished by the Nebraska Stock Growers Association. See this prime premium beef barbecued Western Style. The Barbecue and program will start at approximately 11:00 a.m. Displays will be located in the huge quonset hut, located near the south end of the grounds. Speakers and displays will be scheduled from the ARRL Convention, with the Centennial Commission supplying a noted speaker for these events, and also door prizes.

For those Amateurs who wish to spend a weekend in North Platte--there are many sights and sports in this area, such as Cody's Scout Rest Ranch, boating, fishing, water skiing, etc. There are plenty of parking accommodations available

for campers and trailers, and also camping grounds near Lake Maloney, six miles south of North Platte.

The famous Buffalo Bill Rodeo will be in progress June 22-23-24-25, with a colorful parade on Thursday, June 22nd. There will be plenty of exciting events--bronc riding, barrel racing, chuck wagon races, and many other attractions. Those Amateurs wishing to attend the Rodeo following the Barbecue will have time to do so.

More programming is being processed at this writing, but is not yet completed. So put these dates on your schedule, and see us at North Platte's --First ARRL Midwest Convention!

Best 73's,
Charles Kucera, WØFZZ
Chairman

June 24, 1967 - ARRL Midwest Division Convention

Registration	\$5.00
Membership	
Tickets	\$2.00

Membership tickets are for those who wish to have a chance on transceivers and other amateur gear, without having to be present.

June 25, 1967 - Nationwide QSL Barbecue

Admission	\$1.50
-----------	--------

Nebraska Beef being barbecued Western Style at Lincoln County Fairgrounds, Beef furnished by Nebraska Stockgrowers Assoc.

SEND REGISTRATIONS TO:

Fred Wright, WAØGAT
509 South Lincoln
North Platte, Nebraska

or

Dorothy Townsend, WØUOK
907 West 4th
North Platte, Nebraska

OFFICIAL BULLETIN NR 113
FROM ARRL HEADQUARTERS
NEWINGTON CONN MAY 18 1967
TO ALL RADIO AMATEURS BT

A reciprocal operating agreement is now effective between Trinidad and the United States. Amateurs of one country visiting or residing in the other may obtain permission to operate their own amateur stations there. The United States has previously reached reciprocal agreements with Argentina, Australia, Belgium, Bolivia, Canada, Colombia, Costa Rica, the Dominican Republic, Ecuador, France, Germany, India, Israel, Kuwait, Luxembourg, the Netherlands, Nicaragua, Panama, Paraguay, Peru, Portugal, Sierra Leone and the United Kingdom. Many others are being negotiated and successes will be announced as they occur AR

Definition of heredity: If your parents didn't have any children, you won't either.

de Fresno Cal. Skip

OFFICIAL BULLETIN NR 114
FROM ARRL HEADQUARTERS
NEWINGTON CONN MAY 25 1967
TO ALL RADIO AMATEURS BT

All amateurs are reminded that Canada's first ARRL National Convention will be held in Montreal, Quebec, June 30 through July 2. There will be three days of exhibits, meetings, technical and operating talks, tours, a banquet and other features uniquely Canadian. Accommodations may be scarce due to Expo 67 and you are urged to make arrangements immediately by writing Doug Shaw, VE2BSX, 7401 Mount Avenue, Montreal 16, Quebec, Canada. Information has previously appeared in April and May QST and the June issue features full details on this first ARRL National Convention to be held outside the United States AR

Omaha, May 3, 1967

The Radio Society of Boys Town, Nebr. announces the opening of an antique radio exhibit located in the Visitor's Center.

Some interesting comparisons are shown between parts and tubes of 30 or 40 years ago and their modern equivalents. The above items will be on exhibit for several months and all are invited to stop and inspect them. Also shown is a QSL card collection of various states and countries that the boys have worked on the air from WAØOGL.

de WØWRT, John

**OFFICIAL BULLETIN NR 112
FROM ARRL HEADQUARTERS
NEWINGTON CONN MAY 11 1967
TO ALL RADIO AMATEURS BT**

A study is under way to determine to what extent, if any, normal propagation conditions were disrupted by the artificial ionosphere cloud fired by rocket from Wallops Island Virginia the evening of March 30. Amateurs having knowledge of disruption of normal conditions that evening, on any frequency, are requested to forward complete details to ARRL Headquarters, 225 Main Street, Newington, Connecticut 06111 AR

FOR SALE

Galaxy III \$175.00
A.C. Supply 50.00
TA33 Mosley Beam 75.00

Jay C. McAleer, WA0LLQ
839 South Polk Street
Papillion, Nebraska 68046
Phone: 339-3448

GIVE AWAY

1 - Large Trans. Modulation
1 - Large Choke
1 - AMECO AC Code Osc.
Several HV. Transformers

Charles Michel, K0QVL
2015 North 50th St., Omaha
Phone: 551-0084

OPERATING PROCEDURE

Maritime Mobile, and Aeronautical Mobile operation occur ONLY when the position is outside the continental United States. A boat on a lake (even the Great Lakes) is *not* Maritime Mobile; a plane flying over the US is *not* Aeronautical Mobile. Such operation is handled, for operating procedure, precisely like an automobile.

It has become popular in the case of boats to sign "marine mobile" when operating in the US limits. But correct operating procedure calls for a statement of location when operating phone and NOT the call area. Portable 6 or mobile 7 is incorrect operating procedure. The operator's geographical location must be given.

de ARNS Bulletin

Omaha, May 4, 1967

A newly developed device which could be a breakthrough in antenna development is described in the April 24th edition of Electronic News. The device is known as the Sub-miniature Integrated Antenna or SIA. It has been developed at the Air Force Avionics Lab at Wright-Patterson AF Base in Ohio. Very briefly, the device combines the properties of a shorter-than-normal radiator along with the transistor's amplifying ability.

John, W0WRT

A YELL FROM AN XYL by Anonymous

She had just received her General
So she got right on the air
CO'd and made a contact
Without a bit of care.

The QSO was a good one
With signals loud and clear
Not a sign of QRM
Or QRN to interfere.

Now you'd think she'd have been
delighted
With a contact such as this
The report that she was given
would have
Filled any other Ham with bliss.

But she STOMPED out of the
Hamshack
And announced that she was through
"THAT MAN SAID I WAS FORTY
OVER
BUT I'M ONLY THIRTY-TWO"!!

de Al March, W4ID
via ARNS Bulletin

Quote from the American Almanac Year-Book 1903

While the transmission of intelligence by the aid of electricity is a very old story, even the telephone having long ago lost every element of novelty, the interest of investigators and inventors in this field of usefulness for the wonderful element, which has become so valuable a servant within less than three-quarters of a century, was never greater than it is at present, and there was never a time when every new disclosure in connection with their work was more eagerly watched for by the world in general. Wireless telegraphy had become an accomplished fact prior to the year 1902, but much remained to be done in developing it, and much is yet to be accomplished. Wireless telephony also is an assured fact, although it requires even more of development than the other before it can be of any benefit, or can be brought into practical use.

ANTENNA LENGTHS

$$\text{Length of half-wave antenna (feet)} = \frac{468}{\text{Freq. (Mc.)}}$$

(horizontal antenna only)

$$\text{Length of half-wave antenna (feet)} = \frac{490}{\text{Freq. (Mc.)}}$$

(drooping 45 degrees)

The actual length of a half-wave antenna will not be exactly equal to the half-wave in space, but depends upon the thickness of the conductor in relation to the wavelength. An additional shortening effect occurs

with wire antennas supported by insulators at the ends because of the capacitance added to the system by the insulators (end effect).

de Fresno, Cal. Skip

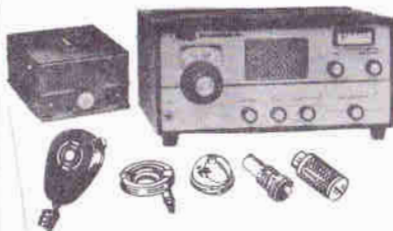
"Duo-Bander 84"

80-40 Meter
SSB Transceiver

Ham Net \$159⁹⁵

WRL CHARG-A-PLAN \$8 Monthly

A Complete 80-40 Meter MOBILE PACKAGE!



Includes 1 ea.: Duo-Bander 84, DC384 Power Supply, one Band-spanner Antenna, BDYF Mount, 350C mic, Mic. Plug, PL 259 Plug, UG176/U Reducer and 25' RG58/U coax Cable. All supply cables are included.

ORDER: ZZA-103 package (\$15 monthly)...Regularly \$299.95 WITH BONUS COUPON...\$279.95. (\$14 monthly)

A Complete 80-40 Meter FIXED STATION PACKAGE!

Includes 1 ea.: Duo-Bander 84, AC48 250 watt supply, 80/40 Duo-Doublet Antenna kit, 350C mic, Mic. Plug, PL259 Plug, UG-176/U Reducer and 100 ft. RG58/U coax cable.

ORDER: ZZA-104 Package (\$11 monthly)...Regularly \$225.00 WITH BONUS COUPON...\$205.00 (\$10 monthly)

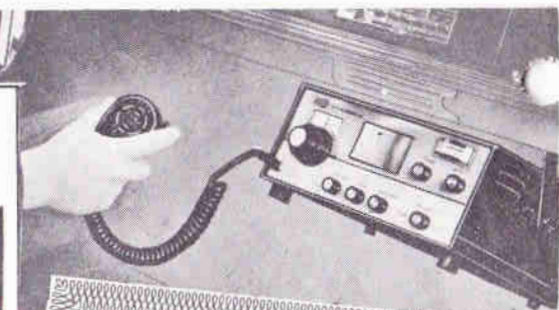
ORDER: ZZA-105 Package (same as above with 300 watt AC supply)...Regularly \$255.00 WITH BONUS COUPON \$235.00 (\$12 monthly)

Look at these DUO-BANDER 84 FEATURES!

- 300 watts PEP-SSB • Rugged-Reliable Printed Circuitry • 2k-Hz Dial Calibration • Dual-Speed Vernier VFO tuning • E-Z One-Knob Tune-Up - "Just Peak Output" • Built-in Speaker • Mobile Bracket supplied • Combination "S" and Output meter • Crystal Lattice Filter.

Use this Handy, Quick
Mail Order Form -

NOW - GO MOBILE 300 WATTS AT AN AMAZING SAVINGS!



SAVE \$20⁰⁰ WITH THIS BONUS COUPON!

This coupon may be applied against the package ZZA-103, ZZA-104 or ZZA-105 regular prices, provided there are no trade-ins involved, and will reduce the regular package cost by \$20.00.

Only one coupon may be used. This Coupon invalid after August 30, 1967.

A GREAT RIG... AT AN AMAZING PRICE!

Designed for the Amateur whose interest is 80 and 40 meter SSB. Here's Power to make good contacts...a Selective Receiver...Stability...Compactness (only 5x1 1/4x10"). A GREAT value at the regular price...NOW SAVE \$20.00 on a package with the BONUS COUPON. Purchase yours NOW with our easy, monthly terms, too!

WORLD RADIO LABORATORIES, Inc.

3415 West Broadway Council Bluffs, Iowa 51501

HHX

Please ship me the following:

- Duo-Bander MOBILE Package ZZA-103 @ \$299.95
- Duo-Bander Fixed Package ZZA-104 @ \$225.00
- Duo-Bander Fixed Package ZZA-105 @ \$255.00
- Your FREE 1967 HAM Catalog

- I am enclosing one BONUS COUPON as I have no trades. Deduct \$20.00 from the regular package price above.
- My check or Money Order for \$_____ is attached.
- Charge it to my WRL charge Acct # _____

Name _____

Address _____

City _____ State _____ Zip _____