



HAM HUM

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September 1967

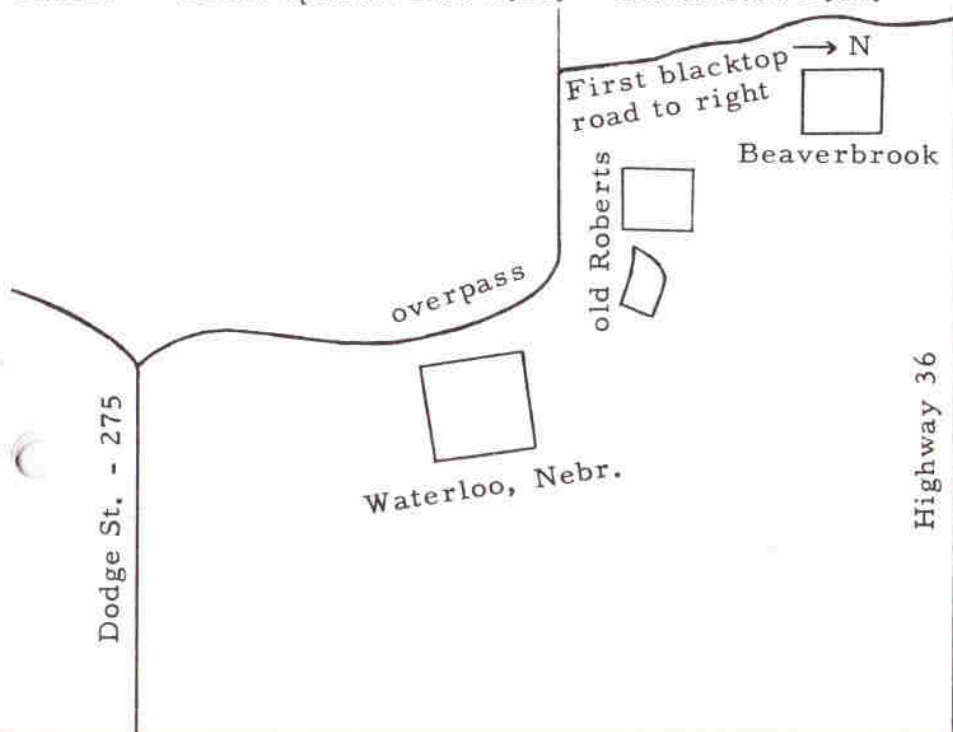
SEE YOU AT

HAM FEST AND STEAK FRY of AK-SAR-BEN RADIO CLUB, INC.

WHERE: Beaverbrook Farm
(go WEST of Omaha on Highway 275 past the Waterloo Overpass, turn RIGHT on first blacktop road, then NORTH three and one-half miles - watch for signs.

WHEN: SUNDAY, September 10, 1967

TIME: Gates open at 1:00 P.M. - Eat at 2:00 P.M.



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.



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AUGUST MEETING

Perhaps we anticipated the August meeting a little too much in last month's Ham Hum in which we gave you the scoop; however, Norval and Connie Bowen and Jay McAleer gave us further information on "Operation Hello" at the meeting. It was different in that we heard the inside story of the problems of beginning, the problems of handling the traffic itself, and a number of interesting stories of the calls themselves without revealing the contents of the messages. These messages are, of course, purely personal. The stories of some of the problems in getting the messages through do make interesting telling. Our sincere thanks to Norval, Connie and Jay for coming to our meeting and for bringing us their story. We found it most interesting!

The second part of the program, which really came first by way of time, was also most interesting but first let's have a little background for it. ARRL, in their cogitations and deliberations back in Newington, conceived the idea that more could be done by way of interesting people in the combined opportunity and

service of amateur radio. They felt that a rather extensive area of possible new hams would be among the citizens band clubs. ARRL originated two letters in order to find out more about this. They addressed a letter to each citizen band club they could find information on, suggesting that there are areas in which both have a mutual interest and enclosed a questionnaire inquiring as to whether or not they would like to be in contact with amateur radio clubs. ARRL likewise sent a letter to all amateur radio clubs on their records suggesting possible areas of mutual interest and sent each a questionnaire inquiring as to their desire to be in contact with citizens band radio clubs.

This particular letter was discussed at some length at the Board meeting of the Ak-Sar-Ben Radio Club, Inc. We finally went around the room inquiring which of our own Board members might be involved in one of these citizens band radio clubs. We discovered that of those Board members present, almost half had Citizens Band licenses. We also discovered that

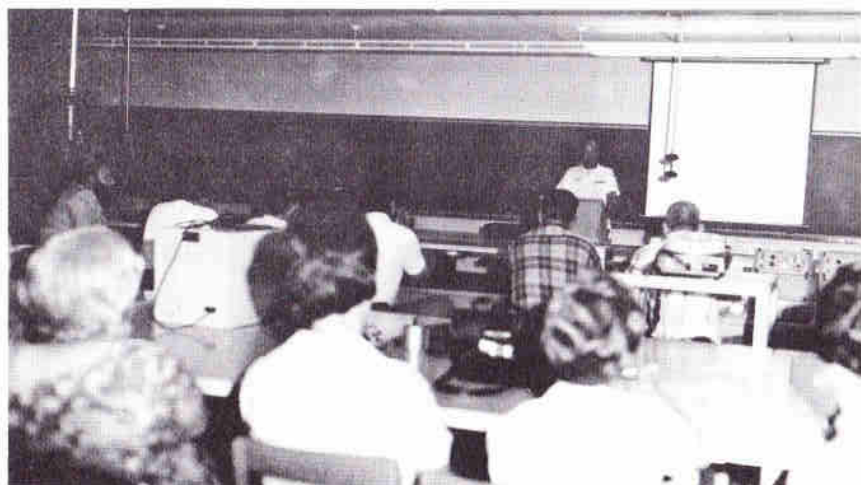
one of our Board members is an acquaintance of a Citizenbänder who is an officer of one of the several clubs in this area. We immediately pounced on him and suggested he invite members of that club to our next club meeting which was the August meeting.

We have not received the regular report of that meeting so do not have the names of the CB club members who attended. However, Wilbur and Lou Townsend, who operate as station KPH6204 and who are members of the CB9 group, were in attendance. Wilbur gave us a rundown on CB activities in this area. It was most interesting to our members and we found a great similarity of their club and ours. In addition to operating, they are interested in the social aspect in that their contact with each other becomes personal at club meetings merely than over the air. They are also

interested in service for the community. The one difference we could notice from the beginning is the family aspect with the Citizens Band Club. A goodly share of their communication is with man, wife and kids, so their clubs do have considerably more participation on the part of the XYLS. Our special thanks to the Townsends for bringing the story to us.

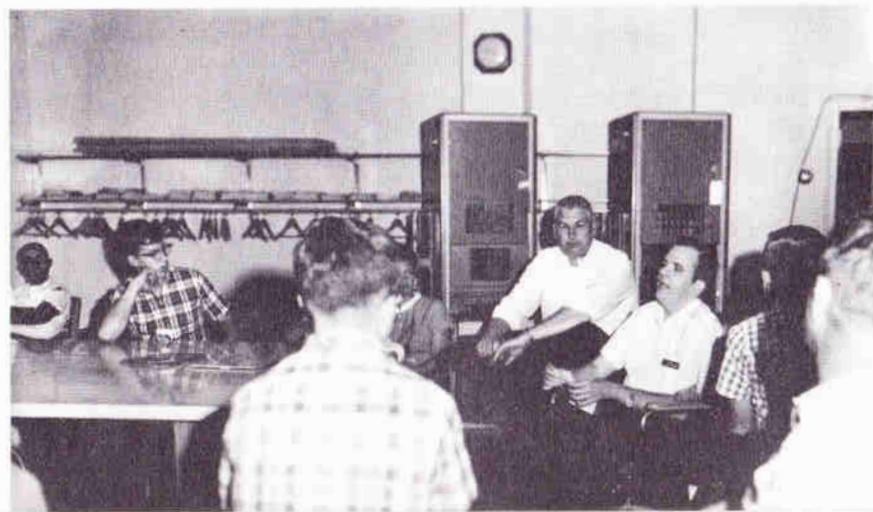
The August meeting was not what one might call "well attended," but considering a comparison with other meetings in August, we had a few more than last year. August is always the vacation month and our attendance is usually down in both July and August. Your Board members feel it is important to have meetings during the summer, and even though they do not draw attendance as do winter months, for those who do attend there is real enjoyment.

Will Townsend, KPH6204





August Meeting





Lawrence F. Cacomo, W0NMN, was the third person to shake the hand of Mr. Ak-Sar-Ben, Louis A. Cutler, W0VLI, at the August meeting.



AMERICAN RADIO RELAY LEAGUE

August 25, 1967

TO ALL AFFILIATED CLUBS:

The Federal Communications Commission this week took action in Docket 15928, the incentive licensing matter.

The Commission adopted at least the substance of many of the new rules it had proposed in April, 1965 (See May 1965 QST). The principal differences are those where the League had requested modifications--the Advanced Class license privileges are reinstated, and the elaborate call sign arrangement for identification for class of license is dropped.

In detail:

The proposed new First Class license concept is discarded. Instead, the Advanced Class is re-established. Applicants must hold a General license or pass the written exam for General before passing a code test at 13 w.p.m. and a technical exam of a level midway between the present General and Extra exams. Example study material for the new 50-question technical exam will be available as soon after November 22, 1967 as possible, and FCC offices will commence holding examinations sometime after that date. Present holders of the Advanced Class will effectively be "grandfathered" into some special privileges as outlined below.

Effective November 22, 1968, only holders of the Extra Class may

operate in the sub-bands 3500-3525, 3800-3825, 7000-7025, 14000-14025, 21000-21025, and 21250-21275 kc.

Effective November 22, 1969, only the holders of the Extra Class may operate in 3500-3550, 7000-7050, 14000-14050, and 21000-21050 kc.

Effective November 22, 1968, only the holders of the Extra Class or the Advanced Class may operate in the sub-bands 3825-3850, 7200-7225, 14200-14235, 21275-21300 kc., and 50.0-50.1 Mc.

Effective November 22, 1969, only Extra or Advanced Classes may operate in 3825-3900, 7200-7250, 14200-14275, 21275-21350 kc., and 50.0-50.25 Mc.

The originally-proposed 2-meter sub-bands for these classes are discarded.

New Novice licensees, after November 22, 1968, will have no phone privileges on 2 meters. The 2-year license term for Novices is adopted, effective November 22, 1967.

The system of distinctive call signs with prefixes to identify the class of license is completely discarded. (The Callbook, incidentally, has plans to carry such identifications in its own listings.)

The Commission will issue 2-letter call signs to those applicants who are the holders of an Extra Class license and who have been licensed for at least 25 years. There will be no individual choice of call signs, and the \$20 fee will be charged. First applications for the 2-letter call signs will be accepted November 22, 1967.

Any new applicant for Extra Class license must either hold an

Aug. 21, 1967

Advanced Class license or must pass the written examination for that license before taking the Extra Class examination. This procedure also becomes effective after November 22, 1967.

In a Public Notice the Commission indicates, among other things, that two-thirds of the 4,000 comments received from amateurs were favorable. FCC further says that the implementation schedule of the restricted sub-bands may be delayed if insufficient occupancy is found.

A more complete report, including the extensive text of the Order, will appear in October QST.

Sincerely yours,
(signed) John Huntoon
W1LVQ
General Manager

JHuntoon/jas

**OFFICIAL BULLETIN NR 129
FROM ARRL HEADQUARTERS
NEWINGTON CONN AUGUST 17 1967
TO ALL RADIO AMATEURS BT**

All VHF minded amateurs are cordially invited to participate in the September ARRL VHF QSO Party, September 9 and 10. Novice and multiple operator entries may be eligible for awards, in addition to section leaders.

All contest rules will appear on page 56 of September QST. Convenient reporting forms are available on request from the ARRL Communications Department, 225 Main Street, Newington, Connecticut 06111 AR

A knowledgeable ham friend recently told me that less than 1 percent of modern day hamdom does any kind of building or radio construction. Anyway, out of this small but technically inclined group, would there be anyone who would like to have the chassis and cabinet of the prototype model CT-100 RCA color TV receiver? There is a very fine power xfmr. on this chassis, along with many other good and useful parts. They are yours for the asking, but don't wait too long or the set will go to the Goodwill. Call John Snyder, WØWRT, at 556-1538 or 551-0669, ext. 518 or else stop at 3221 So. 45 St.

1900 South Menlo Ave.
Sioux Falls, S. Dak. 57105
August 26, 1967

Ak-Sar-Ben RC
Omaha

Gents:

I've been free-loading on Ham Hum for a long time, too, so add this buck to the kitty. Enjoy Ham Hum, and it's passed around our club, too.

Local club meets every Monday, 8:15 p.m., at South Sioux Community Hall, 41st and Covell. Anyone in the neighborhood is welcome.

73,
J. W. "Tony" Sikorski, WØRRN

ON MARS

Running an article as we did last month on Navy MARS reminds this editor that perhaps we should comment on the fact that MARS (Military Affiliate Radio System) is an amateur radio service to the three services - Army, Air Force and Navy - each operating individually and each operating on frequencies assigned to the individual service involved.

We solicit articles for publication in Ham Hum relative to the activities of all three of these services. If you are a member of either of the other two MARS - Air Force or Army - write and tell us of your service. It is interesting to you; it must be interesting to others!

The MARS program is an opportunity for amateurs to be of service both to community and to nation. The networks established by these services can be of great value during time of need. You can imagine the buildup of messages necessary under extreme conditions and you all know the limitations of any single communication path. The Army, Air Force and Navy have many frequencies for many communication paths which adequately serve their needs during peacetime conditions with time left over, as they are intended to supply not only the peacetime needs but the troubled times as well. The amateur has an opportunity to serve as a backup and to provide many many more additional communication paths should the real need arise. The organization is such that the Military

can call upon MARS members at any time there is need. In addition, the MARS State Director may call for the service of members to assist local Civil Defense in any local emergency.

Service under MARS is strictly voluntary, and whereas certain military procedures are taught and used, the time spent in the service is up to the individual. Needless to say there are set rules as to minimum quantity of time in order to remain active. There is also extra effort involved, and perhaps even some money in rearranging your equipment to permit operation on the Military frequencies. The satisfaction, however, in performing a service is well worth the effort. I have never been one to consider service of this type as being something that needed repayment; therefore, I do not mention any "goodies" with thought of pressure toward joining, but there are occasional pieces of surplus gear which are assigned to the individual members. This is particularly good for those who cannot otherwise get on Military frequencies. There is also considerable opportunity for building gear and the procurement of parts therefore, availability subject to the individual service and the particular way of handling.

I invite your application for any of these services. If you do know someone who is a member, drop a card to P. O. Box 291 and we will put you in touch with the service of your choice. Right now there is great need for operators who will enter into the services. All

three are handling traffic in immense quantity for Vietnam and all three can use your help. One can put in as much time in MARS as one desires, and it is not necessary to forsake all amateur radio by putting in an evening week on a MARS net.

While we are on the subject of service, you receive each year with your receipt from ARRL an application for the Emergency Corps of ARRL. It is suggested the form be filled in and sent to your Emergency Coordinator. If you do not know your Emergency Coordinator, send the completed form to anybody you do know - SCM, ARRL Headquarters, or to P. O. Box 291 and we will see that it gets to the proper place.

**OFFICIAL BULLETIN NR 128
FROM ARRL HEADQUARTERS
NEWINGTON CONN AUGUST 10 1967
TO ALL RADIO AMATEURS BT**

In early 1966, FCC proposed a Part 17 rules amendment tightening controls on tower heights which, if applied to radio amateurs, would place a difficult burden on the applicant. We are pleased to announce at this time, however, responsive to findings by the American Radio Relay League and others (note May 1966 QST, p. 69) that the objectionable section of the proposal has been dropped. Further details will appear in October QST AR

**OFFICIAL BULLETIN NR 130
FROM ARRL HEADQUARTERS
NEWINGTON CONN AUGUST 25, 1967
TO ALL RADIO AMATEURS BT**

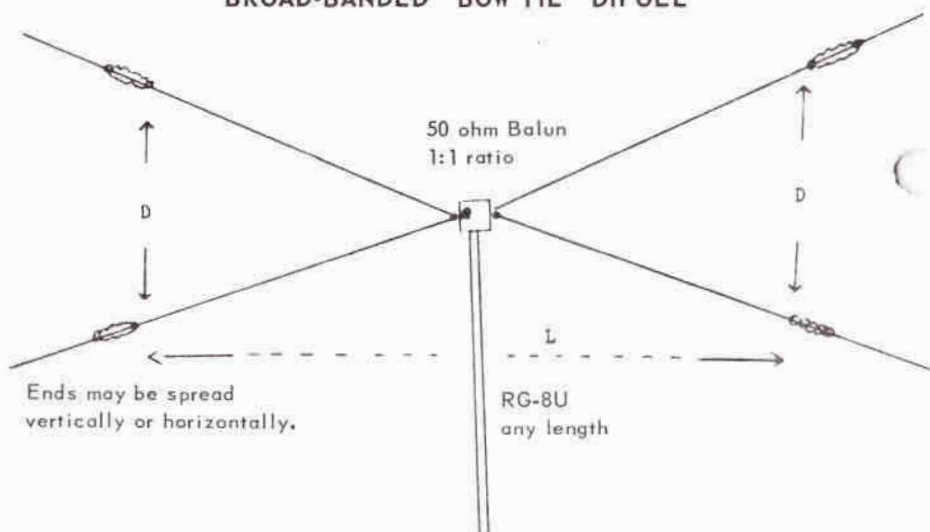
FCC took final action Aug. 24 on Docket 15928, dropping the proposed First Class License concept and reinstating the Adv. Class with a new 50-question technical exam later in the year, with code speed of 13 words but code credit given to General Class holders. Current Adv. Class retain their status. Effective Nov. 22, 1968, small segments of the lower portions of 80 40 20 and 15 phone as well as 50-50.1 Mc. available only to Extra or Adv. holders. Effective Nov. 1969, approximately half each such phone band plus 50-50.25 Mc. available only to Extra or Adv. 3800-3825 and 21250-21275 kc. reserved for Extra only, effective next year. As originally proposed, the lower 50 kc. c.w. portion restricted to Extra only in steps over the next 2 years. Special call sign identification system is dropped. Novice term will be 2 years but 2 meter phone is withdrawn effective 1968. Full details in October QST AR

WANTED

Sams 112-3 or Schematic for Capehart Model 321. Will buy or swap from Sams 157 (any folder(s) except 157-8).

Harry I. Silver, WA0DJK
6611 Seward Street
Phone: 551-0369

BROAD-BANDED "BOW TIE" DIPOLE



80 Meters: L, 110 ft.; D, 12 ft.

40 Meters: L, 60 ft. 4 in.; D, 6 ft.

de Roy, K6KOL

One of the biggest problems encountered when working the 80 and 40 meter bands is the narrow-banded antenna situation. This is due to the ratio of bandwidth versus operating frequency.

It is generally impossible to operate in the CW and phone sections of these bands and maintain a tolerable SWR when using one antenna of the usual, simple variety. Some of the present day transceivers require a 1.5 to 1 SWR as stated in their manuals. A common dipole or vertical tuned to the center of the band most always exceeds 3 or 4 to 1 SWR at band edges.

I have done much experimentation over the last three years and have come up with two excellent performing designs. (The other may be found elsewhere in July 1967

issue of SKIP.) See me for more details if you have questions. Especially concerning physical supporting structure.

The main objective was a high efficiency antenna with no compromises, and a low SWR across the band.

73, Roy, K6KOL

de Fresno Skip

Lincoln Amateur Radio Club Picnic
September 17th - Sunday
Pioneer Park, southwest of Lincoln
No charge - Prizes - Free Pop
Bring a picnic lunch
Start 11:00 A.M. - Eat 1:00 P.M.

R. Simonsen, WQCHV

2020 North 58th St.

Lincoln, Nebr. 68505

OFFICIAL BULLETIN NR 127 FROM
ARRL HEADQUARTERS NEWINGTON
CONN AUGUST 3, 1967 TO ALL RADIO
AMATEURS BT

August 27, 1967

Ed. Ham Hum

Hi:

Aug. 27, seven Hams, and their families, from four counties, met at home of KØFRU, Harold, Wellfleet, Nebr. for the annual picnic of the Southwest Amateur Net. Harold showed us what the well equipped Ham Shack will have. Capabilities for two through one hundred sixty meters, FM, AM, SSB, CW, RTTY, standby power generator, mobile, homebrew keyer, etc. What a ham shack!

Conversation was largely upon the new incentive licensing, much interest in CW! No complaints tho about it; everyone expressed an interest in going for the highest, with full operating privileges.

And then there was the Ham who bought his XYL a new car, and listened to her diplomatically refer to their old 1955 vehicle as, "It is in pretty good condition, don't you think? You could get it fixed up good as new for only a very little, couldn't you? Besides, you have all your Ham gear in it, and you won't have to change it over, would you? And we need a second car for you to drive to work, and there is not as much room in the new car for your radio, and please, I do not want any holes drilled in the new one."

Dayton, WØVEA

The ARRL QSL Bureau aids delivery of QSL cards from other parts of the world to amateurs in Canada, the United States, and its possessions, and Puerto Rico. Amateurs expecting QSL cards from DX stations, should be sure to have stamped, self-addressed envelopes, approximately four and a quarter by nine and a half inches, on file with the appropriate call area QSL Bureau. See pages 86 and 154 of June QST, for bureau and further information AR

FOR SALE

Due to two severe heart attacks, I must sell my mobile equipment consisting of

- 1 - Collins KWM2 with 136B-2 noise blanker, factory aligned
- 1-351D Mobile Mount
- 1-MP-1 Mobile power supply, new July 1966
- 1-HA14 Heath mobile KW Linear
- 2-HP14 Mobile power supply
- 1-each-20-40-75 super Hustlex KW resonators

This equipment in excellent condition. I have all manuals for above.

I might consider good 5 Band SSB transceiver such as Galaxy V, Swan etc. on trade.

I may have sale for cheaper transceiver.

Phone 291-2410 WØGYM - No calls after 9:00 P.M., please.

Victor Clarence, WØGYM
2410 Jackson St.
Bellevue, Nebr. 68005

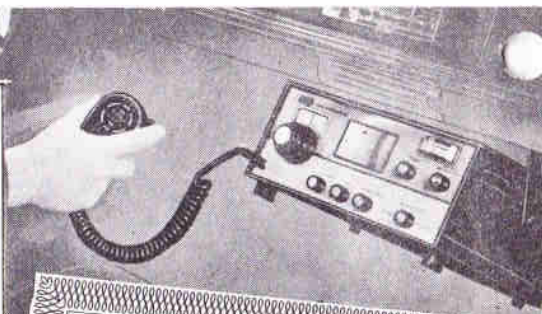
"Duo-Bander 84"

80-40 Meter
SSB Transceiver
Ham Net \$159⁹⁵

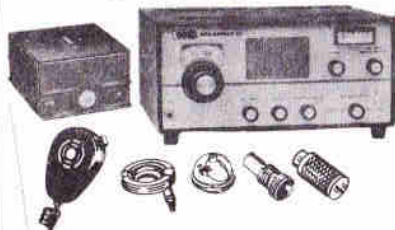
WRL CHARG-A-PLAN \$8 Monthly

NOW — GO MOBILE

300 WATTS
AT AN AMAZING SAVINGS!



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)

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 September 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 5x11¼x10"). 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!

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 —

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 _____