



HAM HUM

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



Vol. XVII
No. 12

December 1967

1967 ANNUAL MEETING and CHRISTMAS PARTY

DECEMBER 8, 1967 - 8:00 P.M.

WORLD INSURANCE COMPANY
CAFETERIA
203 South 18th Street

ELECTION of officers. PAID MEMBERS will vote on officers for the coming year.

EXCHANGE of gifts. ALL ADULTS - please bring a gift of one dollar or more value. Paid Club members will exchange with each other. All others will exchange by the guest drawing.

FOR CHILDREN - special gifts will be presented to each child by the Club.

GUESTS INVITED - BRING YOUR FAMILY AND FRIENDS

BOARD OF TRUSTEES of AK-SAR-BEN RADIO CLUB EXTENDS TO YOU AND YOUR FAMILY WISHES FOR A VERY MERRY CHRISTMAS AND A HAPPY NEW YEAR.



DUES DUE
before meeting

SPECIAL
ENTERTAINMENT

MOVIE FOR
JR. OPS

REFRESH-
MENTS



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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Next copy deadline: December 29th

Back on the air!...Ed Kilton, KØEYR, remodeled his ham shack, put up a new tower with his ol' tri-bander beam and is really punching out a signal. Congratulations, Ed, it was delightful to see a *clean* shack!

Dave Moses, WAØGED, built a new QTH - now resides at 5334 South 107th Street.

Nov. 25, 1967

Bill McDonald, W9DTZ (ex KØYIW) was here in Omaha on a short visit. Bill and I discussed the various 2 meter FM repeater setups they have in the Chicago area. Looks like we're finally getting on the ball with some FM going around Omaha. We're years late in doing this and have lots of work to do yet - about 6 stations on in the Omaha area.

John, WØWRT

Jay McAleer, WAØLLQ, our very capable program chairman, has been at sick bay - Vets Hospital. Jay enjoys visitors, especially hams, so drop in to see him. If this isn't possible, at least drop him a card to let him know we miss him and are thinking of him.

Exchange gifts at the Christmas party should be a dollar minimum. Bring something nice - you may win it! All guests as well as members are urged to bring a gift so they may participate in the gift Exchange.

Royce E. Johnson, WAØKIL, recently purchased a Galaxy V Mark 2. He did not purchase microphone for it, but hopes need one in the next few months. He is now hard at work on his "C.W." and says it doesn't stand for "Can't Win."

NOMINATIONS FOR 1968

The annual meeting of the Ak-Sar-Ben Radio Club, Inc. will be held the second Friday in December. Main purpose of this meeting is the election of new officers for the ensuing year.

Our Articles of Incorporation and Bylaws provide for the election of a President, Vice President, and four members of the Executive Council each year. The President and Vice President are elected for a one-year term. The Executive Council members are elected for a two-year term. The President remains on the Board of Trustees as the immediate Past President for one additional year.

This means that four members of the Executive Council and the

immediate Past President will remain on the Board of Trustees for one more year and they, together with the six new ones, constitute the eleven-man Board for the operation of our Club.

A nominating committee is appointed each year by the President, said nominating committee composed of the President and two Past Presidents. The nominating committee is to select and qualify members and then place their names in nomination at the annual meeting.

At the annual meeting on December 8, 1967 the nominating committee will place in nomination the following and we give you a brief write-up on each:

For President

Robert C. Lockwood, WAØDHU

Age: 33

Address: 3711 North 56th Street

Phone: 451-7233

Employment: Truesdell Distributing Corp.

License: 5 years (recently passed Extra Class)

Hobbies: Ham radio, Photography, Hi Fi, Stereo, Guitar, Singing

For Vice President

David C. Moses, WAØGED

Age: 29

Address: 5334 South 107th Street (in process of moving)

Phone: Will have new phone number

Wife: Doris

Children: Daughter, Rosalie, age 6

Employment: Northwestern Bell Telephone Company

License: 1963

Hobbies: Ham radio

For Executive Council

Norval E. Bowen, WAØNPF

Age: 45
Address: 3413 Bridgeford Road
Phone: 391-4859
Wife: Connie, WAØMYF
Children: 3 boys (ages 18, 17, 16); 2 girls (ages 13, 8)
Employment: O. K. Electric
License: 10/2/1965
Hobbies: Ham radio, hunting, fishing

James C. Droegge, WØYCP

Age: 28
Address: 6328 Hamilton Street
Phone: 556-7545
Wife: Kathleen, WNØRHX
Children: Patti, 6; Mike, 4; Lynn, 3
Employment: Mobile Communications, Inc.
License: 12 years (General)
Hobbies: Ham radio, bowling, interested in automobiles

James (Jim) Leigh Knudsen, WAØMHF

Age: 16
Address: 329 North 2nd Street, Council Bluffs
Phone: CB - 328-0284
Family: Mother, Father, 1 brother, 5 sisters
Occupation: Student, St. Albert's High School (Junior)
License: April 28, 1965 (when in 8th grade)
Hobbies: Ham radio, hunting, interested in automobiles

Charles A. Michel, KØQVL

Age: 28
Address: 2015 North 50th Street
Phone: 551-0085
Employment: Duncan Aviation, Inc.
License: 1957 (10 years)
Hobbies: Ham radio, flying, hunting

A man gains stature when he
stoops to help another.

WØVLI

Too many think cooperation
begins with the other fellow.

WØVLI



TRIPLE-HEADER MEETING

Yes, it was a winner! The Ak-Sar-Ben Radio Club held its November meeting in the Engineering Building at the University of Omaha. Bob Miller, KQZLY, (picture #1) gave a report on the Eye Bank Net. Public service functions are one of several reasons for the existence of amateur radio as a hobby. Since inexpensive and rapid point-to-point communication is one of the characteristics of "Ham" radio operation, it has become a "natural" for emergency communication among the Eye Banks of the United States.

The idea behind the Net activity is to provide rapid, inexpensive, and effective communication once a day to make known to the participating Eye Banks any emergency requirements for eye tissue and where such eye tissue is available to fill the need. Medical history and shipping arrangements are discussed over the telephone once the eye tissue has been located by the Net. Arrangements are made with the

airlines, highway patrol and other public service groups and agencies to transport the refrigerated eyes rapidly across country. Much of the success of the operation hinges on the cooperation of these fine people. The Eye Bank Net, sponsored by the Midwest Region, Eye Bank Association of America, was activated on December 20, 1962, at 7:00 a.m., C.S.T., on 3970 kilocycles. Since then over 2,200 eye transactions have taken place. We are indebted to Bob, KQZLY, for an informative presentation.

Dick Eilers, WQYZV, (picture #2) discussed our house organ *Ham Hum*, its history, planning preparation, publication and effectiveness. The members present enjoyed going over the old issues including the very first one. It was very interesting to observe the processes in developing an issue of *Ham Hum*. Incidentally, the 1951 March, August and November issues of *Ham Hum* are missing so if any member has these issues we will appreciate it



CHECKERS ANYONE?

	1	2	3	4
5	6	7	8	
	9	10	11	12
13	14	15	16	
	17	18	19	20
21	22	23	24	
	25	26	27	28
29	30	31	32	

Number the Black Squares

If someday you get tired of talking about the lack of activity, SWR, Hertz vs. KCS, incentive licensing, etc., you might consider spending some pleasant hours playing checkers by radio.

Quite a few of the local Hams have been having some good games on 6 meters. By numbering the squares as shown in the example, you and your opponent will have identical boards and play can be easily followed by anyone. The average game takes less than 30 minutes.

If you hear a game on, set up a board, follow play for a while, then at a break in the play, break in with a nice comment and challenge the winner.

Bob Lockwood, WA0DHU, is the present champion, but this could change in the near future.

It's your move!

Royce E. Johnson, WA0KIL

NEW ANTENNA ROTOR INSTALLED AT RED CROSS

By John W. Orr, W0PHW

The big beam at 39th and Dewey Streets came down for major repair to the rotor. The old "prop pitch" motor died of old age. It had been repaired many times. A new rotor was needed.

A new rotor was designed and installed. It consists of a heavy-duty $\frac{1}{4}$ horse power motor, operating from 110 volts A.C., driving a double reduction gear box. The output shaft of the gear box turns a 2-inch-wide tooth rubber timing belt. The belt turns the 3-inch-diameter bottom end of the 23-foot long steel shaft which mounts all of the antennas. The steel shaft narrows towards the top.

The rotor, shaft and antennas all mount on a carriage which rides in a steel track fastened to the 75-foot wooden pole. The assembly weighs about 400 pounds and is pulled to the top with a cable and winch.

The lowest antenna is the "big one," a wide spaced five element 14 mc. beam. Its boom is 45 feet long. Above this is a six element 50 mc. beam. At the top is a new duo-bander for the 21 and 30 mc. bands.

This is one of the most impressive and rugged antenna systems in use today in amateur radio. Swing by 39th and Dewey, take a look and visualize that one in your back yard!



Dear Editor:

The small Polaroid snapshot of the two 1958 Chevrolets was taken at Thedford, Nebraska, while I was assigned this area on a recent Search and Rescue Mission for the CAP. It happened when I came out of the local coffee shop and noticed this Ham mobile parked along side

of mine. I was really surprised that two Hams would have the same type of cars. The operator of WØVLY is David W. Haumann of Thedford, Nebraska. Needless to say, we had an eyeball QSO. Also promised him a copy of our "Ham Hum" if this is published. Regards.

Lou, WØVLI

FOR SALE

WRL Galaxie 300 SSB transmitter...\$150.00

WRL PSA 300 Console, AC power supply, Instruction manual... \$40.00

All in excellent condition and with recent factory checkout.

G. Flynn, WØMHV
5504 Kansas Avenue
Omaha, Nebraska
Phone: 455-0193

WANTED

Transceiver for 6 meters-AM low to medium power. SSB if price is within budget.

Dick Owen, KØMEO
Phone: 558-3496

One language that is a liability: Profane.

WØVLI

FIELD DAY RESULTS

By Bob Lockwood, WA0DHU

For those who haven't looked at the November QST, page 62, a pleasant surprise awaits them. There, at the top of the page under the 4A heading, W0EQU came out one of the top eleven in the nation in

Field Day standings. To be specific, W0EQU came out in eleventh place in the national standings.

The following is a chart copied from QST showing the top eleven in the 4A class:

<u>Station</u>	<u>Name</u>	<u>Valid Contacts</u>	<u>DC In</u>	<u>Score</u>
W8FY/8	Van Wert ARC	1507	30	13,973
W6AK/6	Sacramento ARC	700	30-150	11,566
WA2LQO/	Grumman ARC	1238	30	11,542
W4SKH/4	Oak Ridge AR Operator's Club	1370	30-150	11,037
W7IO/7	Arizona ARC	1711	150-up	10,228
K3SSC/3	Delmont RC	1549	30-150	10,056
K5TYP/5	Keesler ARC	1477	150	9,262
W5NGL/5	Killocycle Club of Ft. Worth	1259	30-150	8,608
W4BBB/4	RAC of Knoxville	1305	30-150	8,300
W6NWX/6	Palomar RC	1290	150	8,140
W0EQU/O	Ak-Sar-Ben RC	1241	150	8,046

Upon examination of the chart it should be noted that W8FY/8, the top club, did it with a DC input of 30 watts or less. Using QRP, they beat us out on valid contacts made by 166. Our hats go off to this club for their achievement, for they proved that it can be done with low power. High power isn't necessary to get top honors. We congratulate this club for the achievement they made!

The Ak-Sar-Ben Radio Club proved that a little teamwork goes a long way to boost a club to a high place in the national standings. Your Field Day committee planned

carefully for the big day. The Club had four rigs this year to give more members a chance to operate. We realize that the success of the Club depends upon direct participation by each member. We stressed this in several articles in Ham Hum previous to the big day. When the big day came, the Ak-Sar-Ben Radio Club was out in full force. Through a combined effort you, the individual members working together as a team made Field Day 1967 the best ever.

Now we should think for the future. Your Field Day committee got in touch with the Bellevue Radio Club and made the suggestion

that the two clubs again compete for a plaque similar to the previous one which was a five-year deal. The club which wins in a given year holds the plaque for that year. The club which wins three years keeps the plaque. The Bellevue Club got the last one, but we believe that the Ak-Sar-Ben Radio Club can get the next one. We can discuss it further at the January meeting.

It is not too soon to start thinking about Field Day 1968. Let us remember that for a club to obtain high honors in the national standings we must pull together as a working team. Field Day 1967 proved this. The Ak-Sar-Ben Radio Club did a good job in 1967 and we had a whale of a lot of fun doing it. WØEQU is a working team!

11/11/67

Dear Sirs:

Enclosed please find a check for \$2.00 as a contribution toward the expense you go to in making it possible to send "Ham Hum" to me every month. I enjoy reading it very much. I really appreciate the quality of the publication - both printing wise and also articles within it.

Hope this puts me in good grace for a few more issues!

Sincerely,
Ed Doehling, WØHQE
Surprise, Nebraska

(Editor's Note: Appreciate the contribution, Ed. Many thanks!)

LET US STRENGTHEN THE AK-SAR-BEN RADIO CLUB!

There were many highlights for our Club during the past year, but I believe we should continue to work toward the development of a stronger Club so that the full benefits of promoting amateur radio are achieved. We cannot resolve all the problems involving amateur radio, and we should not try. Our Club's objectives should be kept sharply in focus, and then move toward them with vigor and confidence. We are going to require a great deal of help in this endeavor, and this help must come from you. Whatever changes are before us and whatever pressures, our success will depend largely on our ability to explain our objectives, purposes and goals to other Hams and to the public which we serve. It is our obligation to explain the areas of our amateur radio service to Hams and the public. This is your job. It is not the easiest job I can think of; it is not a job we get paid for; but it is as important as any job I know of in amateur radio circles. In all sincerity, I urge you to continue with your enthusiasm and thank you for your support in the past.

Erv Heinz, WAØEEM
President

Big things are easier if you know how to do the little things first.

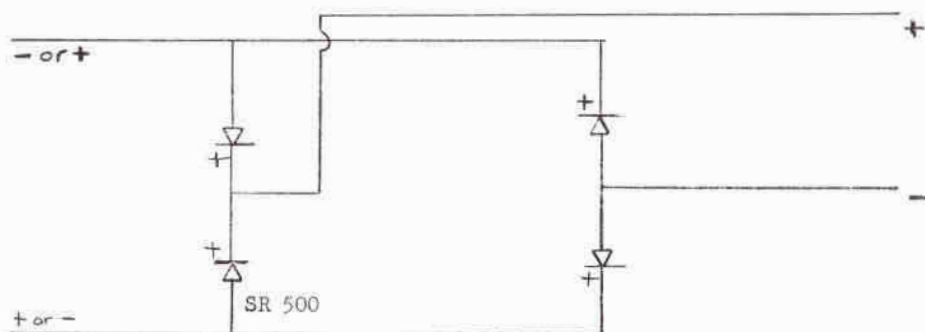
WØVLI

TRANSISTOR SAFETY

Homebrew fans who work with transistor rigs are aware of the dangers involved in connecting the power source with the wrong polarity. Transistors may have a long life if treated properly, but are destroyed instantly when subjected to improper polarity.

This schematic will provide you with a safety feature for your transistor rigs. You may connect the battery any way you want and the output polarity will be the same.

de Fresno Skip



SOS - SAVE OUR SERVICE by Wm. G. Welch (W6DDB)

*FM Radio Station KPFA has discontinued its weekly amateur radio broadcast in the Bay area. The Cleveland Plain Dealer now prints its ham column every other week rather than each week. Incoming hams are not equalling the total number of hams who die or let their tickets lapse. For all intents and purposes, manufacturers like Johnson, Collins, and Polytronics have pulled out of the ham equipment field. Distributors are dropping their ham lines all over the country. These are but a few of the omens which should serve to warn us that we

must become more concerned for the future of our amateur radio service. Many of the causes can be reasoned out but the fact remains that we do have cause for alarm.

*Local newspapers and stations will not handle ham coverage if the response is poor; we must let them know that we read their articles and listen to their programs if we want them to continue. I've found that most amateurs are very poor at communicating, as paradoxical as that may seem.

de LERC Bulletin

QST--NOT ON NEWSSTANDS

The question why QST had left the newsstands was brought up at the Directors' Meeting in May at Oakland and as a result, proposition IX was passed by a voice vote. The Pacific Division Director Harry Engwicht took the proposition to the meeting in the East. Here is a detailed answer.

(From W6ZF's broadcast).... The facts will help answer the above. Frankly, the whole thing boils down to a matter of cost. In 1957 the American News Co. went out of the periodical business. Prior to that in the fifties, the cover price of QST was fifty cents and the news company was billed 29¢ per copy. The printing costs were up to 25¢ per copy and full credit was permitted for the return of unsold copies, which were so much scrap and couldn't be reused. ARRL tried to keep the return to 15% but it was 20% usually. Shipping charges, bookkeeping and other incidentals increased the distribution costs. The new distribution company demanded all kinds of rebates, return allowances, display charges, etc. It was prohibitive. At first a drop in QST circulation occurred, but new members came in due to the non-availability of QST on the stands. Radio stores still were selling QST, so the level came back up and ARRL went on with QST to higher levels. This actual experience may be ancient history, but the new distribution company made

the cost so prohibitive that on today's economy it is unwise. Therefore, effective January 1, 1965, ARRL discontinued the acceptance of membership subscription orders for individuals through subscription agencies. There were a few exceptions where a subscription agency was unacquainted with this policy. The few individual entries were accepted, but the agency was informed and no further exceptions then can be made. And that's it in a nut shell. The cost is just too prohibitive for the amount of returns expected. Sufficient?

de SFRC NEWS

**OFFICIAL BULLETIN NR 141
FROM ARRL HEADQUARTERS
NEWINGTON CONN NOV 2 1967
TO ALL RADIO AMATEURS BT**

The ARRL Intruder Watch has completed almost three years of operation with more intruders having been removed from the amateur bands as a result. However, much additional work and constant vigilance are necessary. The Intruder Watch welcomes additional volunteers with two or three years amateur experience and good receiving equipment who can spend at least two hours a week logging the calls of non-amateur stations in the amateur bands. RTTY operators, especially those with access to sophisticated gear, are still urgently needed. Volunteers please write Intruder Watch, ARRL, Newington, Connecticut 06111 \overline{AR}

AN FCC LETTER

From ARNS Bulletin

(This letter is over a year old, being dated February 4, 1966, but its importance has not decreased. It is believed that the contents should be printed rather often, since it still governs. While addressed to an individual, it might well be addressed to all amateurs).

Interference involving the operation of your amateur radio station has been reported to the Commission. Accordingly, this letter will advise you of the Commission's rules and policies applicable to general interference between stations licensed to operate in the amateur service.

As you are undoubtedly aware, frequencies allocated to the Amateur Radio Service must be shared by all licensees. Consequently, interference between stations is most likely to occur during periods of heavy activity on, and occupancy of, an amateur frequency band. Experienced amateur operators are expected to anticipate and minimize this interference. Their failure to do so indicates either ignorance of the practical realities of amateur communications or a selfish lack of consideration for others. Assuming that it is your desire to alleviate interference between amateur stations, the following guidelines and considerations are presented.

Licensees of stations which are already in operation should remember that no amateur licensee, group, or network has a right to

the priority of exclusive use of a given frequency, nor may freedom from interference be expected (exception is provided under the emergency provisions of rule Section 97.107). In addition, common courtesy, as well as good amateur practice, dictate that incessant or continuous non-emergency operation so as to preclude others from operating is highly undesirable and unwarranted, and, if willful or malicious, could result in the imposition of punitive measures.

Licensees of stations who are attempting to utilize an occupied frequency should note that Section 97.125 of the rules provides that "No licensed radio operator shall willfully or maliciously interfere with or cause interference to any radio communication or signal." Moreover, observance of good amateur practice requires the avoidance of attempting operation on a frequency where it is obvious or likely that such operation will result in harmful interference.

All licensees should avoid the following frequently observed improper practices, some of which constitute willful interference for which severe penalty is provided:

- A. Knowing and repeated operation on, or unreasonably close to, a net frequency at times when the net is obviously active.
- B. Requesting or demanding protection of a net frequency at times when the net is inactive.
- C. Requesting or demanding protection of a net frequency

over a long period of time in the absence of an emergency situation.

- D. Calling, testing or tuning on a frequency without first determining that the frequency is not already being used.
- E. Carrying on an exchange of communications on two (or more) separate frequencies when there is no technical or operational necessity for such multi-frequency usage.

As noted, the foregoing is furnished for your guidance. From long experience, the Commission has found that in most instances neither party to an incident of alleged deliberate interference in the use of frequencies is entirely blameless. The keynote to resolution of these interference problems, therefore, is cooperation and consideration by all persons involved.

You are permitted and encouraged to read and discuss this letter via your amateur station. You may be assured that any effort on your part to contribute to better amateur radio practices and operations will be greatly appreciated.

Very truly yours,
Ben F. Waple, Secretary,
Federal Communications
Commission

If you can't take pride in your work, at least take an interest.

WØVLI

OFFICIAL BULLETIN NR 142 FROM ARRL HEADQUARTERS NEWINGTON CONN NOV 9 1967 TO ALL RADIO AMATEURS B̄T

In late January, during the ARRL Simulated Emergency Test, the opportunity presents itself whereby all radio amateurs can take part in a nationwide demonstration of amateur radio public service facilities. The SET will take place January 27 and 28 and will include all Amateur Radio Public Service Corps amateurs, in AREC NTS and RACES. There will be local exercises and nationwide traffic handling activities involving traffic for the Red Cross, ARRL, Civil Defense and other agencies. Your local Emergency Coordinator will be mailed full information in December and you're urged to contact him now while there still remains time for you to be worked into the SET plans AR.

Tasks put off become twice as hard to do.

WØVLI

The new secretary ignored the ringing telephone and continued typing letters. After several minutes the boss became aggravated and shouted at her to answer it.

"That seems a bit silly," she replied, "because it's bound to be for you. None of my friends know I'm here yet."

de Fresno, Cal. SKIP

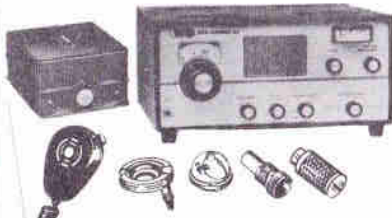
"Duo-Bander 84"

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, PL259 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, UG176/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)

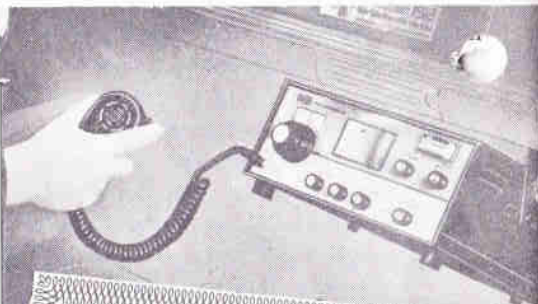
ORDER: ZZA-105 Package (same as above with 300 watt AC supply)...Regularly \$255.00 WITH BONUS COUPON \$235.00 (\$12 monthly)

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 December 31, 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 5x11¹/₄x10"). 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 _____