



# HAM HUM

Published by

AK-SAR-BEN RADIO CLUB, INC. - Omaha 1, Nebr.  
Post Office Box 291 - Downtown Station

March 1963



Vol. XIII  
No. 3



Photo 1.

guess  
what?

ANSWERS NEXT MONTH

STOP  
Guessing!

AT THE NEXT MEETING

Program Chairman Harold Welch, KØSCG, will demonstrate his Heath-kit Monitor Scope, showing patterns from a communications receiver. The scope is becoming a more important instrument to the amateur than ever before, especially for the adjustment of SSB linear amplifiers.

Come out to the  
4-H Bldg. Ak-Sar-Ben Field  
entrance 63rd. and Shirley Street  
FRIDAY, March 8th  
8:00 P.M.

**FOR THE ANSWERS**

**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.



Editor's Note -

The following letter was reprinted from the Northern Virginia Radio Club and was subsequently printed in the Auto-Call bulletin. The opinions contained therein do not necessarily reflect the policy of The Ak-Sar-Ben Radio Club and Ham Hum.

*In accordance with previously published policy towards editorializing in Club columns, we herewith remove the following from the Northern Virginia Radio Club columns:*

*An editorial in one of the well known magazines this last month brought forth a blurb on the idea that it is the amateur's responsibility to prove his worth to the Commission and the Government. It is true and undisputed that a large part of the amateur activity is and should be in a volunteer public service vein. The amateur provides a wealth of assistance to the public and to the country, but the reason that most of us became amateurs was our own interest and enjoyment of radio and communications. And it is this that keeps us in the hobby.*

*The fact that it is a hobby, not a job, a responsibility to the country, or an obligation, gives us the right and privilege to do as we wish with our assigned frequencies. Anyone*

2

Published by  
AK-SAR-BEN RADIO CLUB, INC.  
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Omaha 1, Nebraska  
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*who complies with the regulations of amateur radio should be allowed to practice his hobby as he sees fit. Why should he be expected to participate in any function that he may not be interested in?*

*It's fine to have organizations for public service and the like, but it should not be considered the duty of any amateur to participate if his interests are elsewhere. A man should not be harrassed into doing something he does not enjoy, as a hobby!*

*Each amateur has met certain qualifications which are necessary and proper to his operation. He has proved his ability and skill. Why, then, should he be expected to prove the necessity of his existence to a government which is instituted to serve him? Comply, yes; bow to, NO!*

*de Auto Call  
November, 1962  
\*\*\*\*\**

Dear Editor,

I would like to inform you my new address is:

Route 1 - Box 394  
Oscoda, Michigan  
Keep the club news coming -

73  
Joe Lofreddo, K2PVB/8  
\*\*\*\*\*

## EDITORIAL COMMENTS

I was just reading over an old copy of the *Keyer* which is the official publication of the Ventura County, California Amateur Radio Club, Inc., and happened to notice that at least 3 former Omaha area amateurs are now active in the Ventura County club. They are Jim Noland, WA6JBB ex WØAWX; George Hladik, Jr. WA6JBA ex KØCYP; and Doug Pendray, KØLDH/6. Jim and George are former members of the Council Bluffs Radio Operators Club and were very active in its activities until new jobs took them to California. As I recall, Doug used to be active on 6 meters here in Omaha and possibly some of you club members can give us some more info on him.

Some of these old friends have been kind enough to keep us informed as to their whereabouts and we even received some photos for Ham Hum not so long ago from George Hladik. Naturally, we always welcome these.

A paragraph from this same issue of the *Keyer* reads: "Jim, WA6JBB of Sunland has been working into Ventura County like a bomb on 2 meters...Two meters gets better and better." Looks like some of the selling we used to do to get some of these fellows on 2 has finally paid off and we're very glad to hear of this activity. Wish there were more Omaha interest in 144 mcs. and up, before we lose these valuable frequencies. Remember what happened to 11 meters?

We also run across ex-president Art Stadler's name in the Minneapolis

Radio Club paper occasionally. Wonder if any of the Omaha gang ever work Art?

We have had one lead on acquiring a txr. and recvr. for WNØEXQ, the young amateur at the Nebraska State School for the Visually Retarded. I'm surprised too that this one lead comes from Mr. Dayton Phifer, WQVEA at North Platte. "Grandma" Lou, WØCCD is now checking this lead and we hope something turns up.

WØVEA also sends along the following questions:

Did U Ever --- get a QSL card from a ham using a "Short Long Wire Antenna"?

Did U Ever --- get a QSL card from a ham, "No Copy at All, Pse QSL?"

Did U Ever --- meet the "Net Skipper"? Checks in on all nets, skips from one check-in to another, is never there for relay or late traffic??

Did U Ever --- receive acknowledgment from person U sent a message to, saying, "We received your Radiogram, and recognized your handwriting"??

73,

WØWRT

\*\*\*\*\*

FOR SALE:

Pair 813's both for \$15; 5 4-125A's gud. condx. all 5 for \$4.

George David, WØOHP  
3738 C ST.

Linclon, Nebr.

(May trade for equipment of like value)

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## EYE BANK DRIVE

Speaking for the Lions' Club Eye Bank, the Ak-Sar-Ben Radio Club and the Omaha-Douglas County RACES Nets, we wish to thank all those amateur operators and others who gave their services to the recent Eye Bank drive. A very special thanks goes to the many fellows of the Omaha High Schools who even used their allowance money so that they could buy gasoline to participate in these drives. Photos are shown here of just a few of the participants. These shots were taken in or near the Red Cross Headquarters Bldg. at 39th and Dewey Ave. Last but not least, we also want to express our appreciation to the American Red Cross for providing the facilities.



Dick Eilers, WØYZV, Bill Walker of the Lions Club and Geo. Fox, WØAEM.



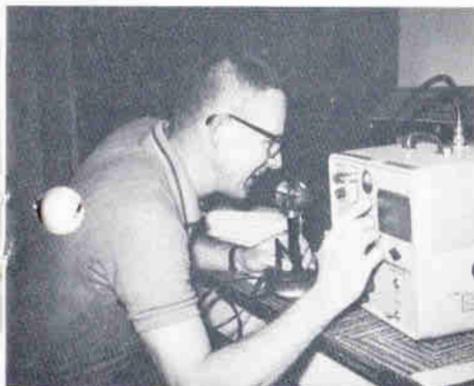
Lou Cutler, WØVLI, Windy Larsen, WØNPA, and Mack McGovern, KØMSS, mobiles.



Helping with the Lions' Eye Bank Drive are: Bill Walker of Lions' Club at map. Amateur mobile operators: John Bull, WAØABV, Allen Hollister, KØFRR, Lonnie Theer, KØCVE.



George Fox, WØAEM at the 6 meter control position.



Windy Larsen, W0NPA at Red Cross  
end of 2 meter relay link.



Royal Enders, K0LYO, Joan Tinley  
and father, Hugh Tinley, K0GHK and  
Windy Larsen, W0NPA.

\*\*\*\*\*

I just got this month's Ham Hum, and as usual scoured it cover to cover for news of old ham friends. I see John Droescher is still TVI chaser, boy, what a hog for punishment. I still have a few battle scars left from the year I helped him. He gets my vote as the club's unsung hero. I'd like to see some of you on 75 or 40 meter sideband or CW. Down here 40 and 75 are the popular bands because of the distances here in the wild Texas boondocks. Because of repeated help with communications, hams here are in better with the public than any place I have seen. Keep up the good work with Ham Hum. I look forward to getting my copy.

73  
Dick Reimund, W5KTI  
(ex W0LFM)  
\*\*\*\*\*

Dear Editor,

Still enjoying Ham Hum a lot.

I have a problem with a new addition to my HQ140X receiver, namely a W.R.L. DB68 preselector which is badly infested with spurious broadcast, and commercial C.W. signals, especially on the 20 meter band 14.1 - 14.3. Tried wave traps to no avail - I wonder if anyone else has had this problem, and if they have been able to solve it?

One example, on 14210 I can hear KOIL, and commercial C.W. K.E.K. imposed on top of KOIL, it makes a mess. Hi!

Thanks again for Ham Hum.

73  
Charles Mack, W0KVZ  
731-0580  
\*\*\*\*\*

## BOTTLE-BAKER II

Shown are photos and diagram of a transmitting tube tester which was originally labeled the 'Bottle-Baker' by Mr. Sam Daskam, K2OPI of Lebanon, N.J. (Appeared in the VHF Amateur, Oct. '61)

I have built up a modified version of the Bottle-Baker which makes the gadget a little more convenient to operate than the original version. The biggest change is the use of the built-in plate current milliammeter. These meters, in this case 0-300 MA., are not very expensive on a used basis. Mine came from Ladd Electronics and was about \$5. All other parts are very conventional. Johnson color-coded tip jacks are used for convenience on the grid bias voltage and screen and plate voltage terminals. A NE-2 neon lamp indicates when grid bias is turned on. By plotting an Eg-Ip curve on the tube being tested, you can get a pretty good idea whether the tube is good or not. A considerable number of the 4X150A and 4X250B types are now becoming available on surplus markets, and a gadget like the Bottle-Baker will help determine whether or not the tube is a dud. From the Radio Handbook we find that the grid-plate transconductance of a tetrode can be calculated through use of the expression:  $Gm = \frac{\Delta I_p}{\Delta E_g}$

with  $E_g$  and  $E_p$  constant.

As an example one typical 4X150 tested showed the following readings:

At  $E_g$  of -30 v.  $I_p$  was 115 MA.

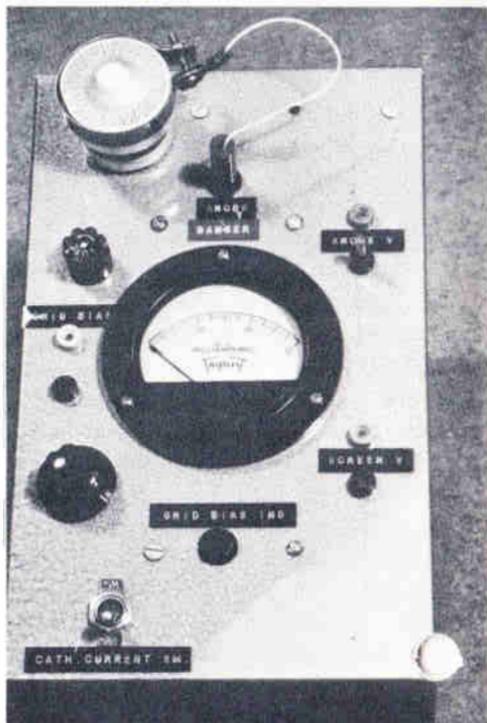
At  $E_g$  of -35 v.  $I_p$  was 75 MA.

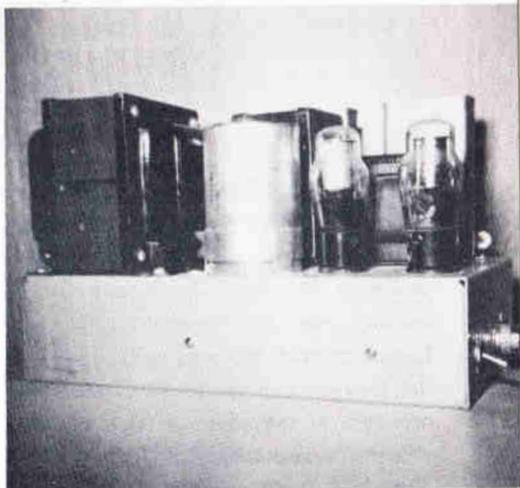
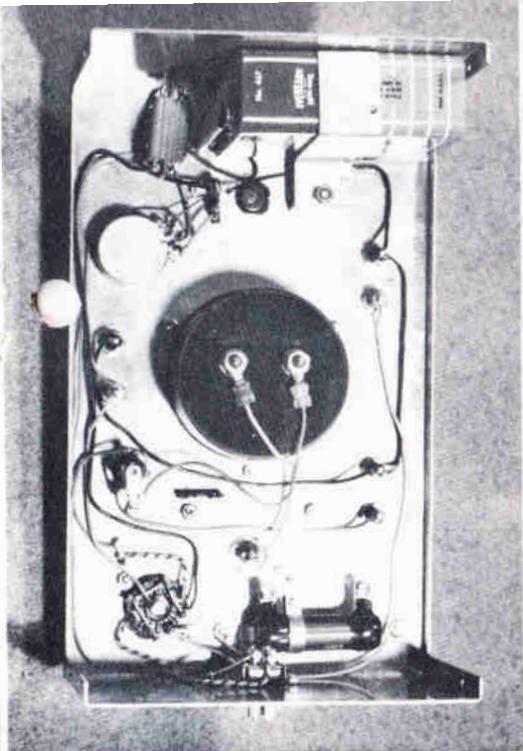
So the difference between 115 ma. and 75 ma. is 40 ma. change in  $I_p$ . 40 ma.  $I_p$  divided by the 5 volt change in  $E_g$  gives us 8000 micromhos.

$$5 \sqrt{\frac{.008 \text{ mho. or } 8000 \text{ } \mu\text{ mhos. Gm}}{.040}}$$

The screen voltage was held at plus 300 v. on this test and plate voltage at 700 volts.

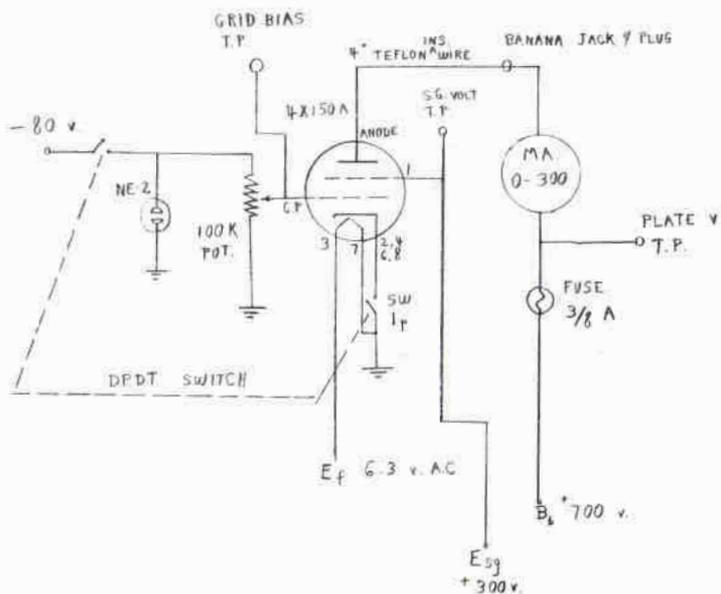
John, W0WRT





Power supply for use with "Bottle-Baker" II

POWER SUPPLY ON SEPARATE CHASSIS



BOTTLE-BAKER II

# THE AMERICAN RADIO RELAY LEAGUE, INC.

Administrative Headquarters  
WEST HARTFORD 7 CONNECTICUT

February 14, 1963

Directors' Letter No. 1156

## ALL DIRECTORS:

Our objective of more 160-meter operating space has been achieved!

Based on extensive engineering analysis by the U.S. Coast Guard, which has the responsibility for Loran operation, and responsive to the League's request, FCC yesterday ordered a revision of the amateur sharing arrangement in 1800-2000 kc. Attached is a summary of the new setup.

## Highlights:

1) Every state has additional frequency privileges, including new assignments in the Gulf area, Alaska and the possessions, heretofore barred from 160-meter operation.

2) The U.S. is divided into smaller areas, including county boundary lines in several instances, to provide maximum amateur use. Some areas, because of their remoteness from Loran sites, can now use all frequency segments available.

3) The expanded frequency privileges require, in a few areas, reductions in permitted power input. This is in consonance with the League's statement of principle that lower power on wider frequencies is more useful to the amateur service than higher power on limited frequency assignments.

4) S.s.b. is prohibited in our band segments, but further study may later permit resumption of such emission.

5) The FCC order is effective February 21 as concerns new frequency privileges, but the single sideband prohibition and reduction of power are not effective until April 15, 1963.

6) This new allocation is subject to the same conditions which have always existed--i.e., no interference to the Loran service, and the sharing arrangement for amateurs is subject to revision or cancellation at any time without notice.

Because of the imminence of the effective date and because the complexity of the new rules makes official bulletin transmission impracticable, I am sending copies of this letter to SCMs, SECs, PAMs, RMs and affiliated clubs.

Sincerely yours,  
John Huntoon  
General Manager

\*\*\*\*\*

Dear Ham Hum,

I have received and enjoyed Ham Hum, for several months. Most interesting, besides some good reading.

My address has been changed to Rt. 1, Shearer Chapel Road, Mooresville, No. C.

Too much T.V.I. in Rockingham.  
Do You QSL?

73  
Mack Ussery  
K4QWL

\*\*\*\*\*

## 160-METER PRIVILEGES

(A-1, A-3 only; no s.s.b.)

Permitted input power, watts

<u>Area</u>	1800-1825 kc. and 1875-1900 kc.		1900-1925 kc. and 1975-2000 kc.	
	<u>Day</u>	<u>Night</u>	<u>Day</u>	<u>Night</u>
Alabama, Louisiana, Mississippi, Puerto Rico, Virgin Ids., other possessions in Caribbean	No operation		100	25
Alaska	200	50	No operation	
Arkansas, Illinois, Kansas, Missouri, Oklahoma and Texas east of 105°W.	100	25	200	50
Arizona, Colorado, Idaho, Montana, Nevada, New Mexico, Utah, Wyoming, and Texas west of 105° W.	200	50	500	200
California, Hawaii, Oregon, Washing- ton and Baker, Canton, Enderbury, Guam, Howland, Jarvis, Johnston, Midway, Palmyra Islands	No operation		500	200
Connecticut, D.C., Delaware, Massa- chusetts, Maine, Maryland, New Hampshire, New Jersey, New York, Pennsylvania, Rhode Island, Vermont, Wake Island plus, in Virginia, Arlington and Fairfax counties and city of Alexandria	500	200	No operation	
Indiana, Kentucky, Ohio, Tennessee	100	25	100	25
Iowa, Minnesota, Wisconsin, northern peninsula of Michigan	500	200	200	50
<u>Nebraska</u> , North and South Dakota, American Samoa	500	200	500	200
North and South Carolina, West Virginia plus Virginia except as above	100	25	No operation	
Michigan, southern peninsula	500	200	100	25
Florida: counties of Columbia, Union Bradford, Putnam, Lake, Osceola, Okeechobee, Martin, Palm Beach,				

<u>Area</u>	<u>Day</u>	<u>Night</u>	<u>Day</u>	<u>Night</u>
Broward, Dade and counties to the east. Georgia: counties of Union, Lumpkin, Hall, Jackson, Barrow, Walton, Morgan, Putnam, Baldwin, Wilkinson, Laurens, Wheeler, Telfair, Coffee, Atkinson, Clinch, Echols and counties to the east	25	25	No operation	
Florida: counties of Hamilton, Suwannee, Gilchrist, Alachua, Marion, Sumter, Polk, Highlands, Glades, Hendry, Collier, Monroe, and counties to the west. Georgia: counties of Fannin, Gilmer, Dawson, Forsyth, Gwinnett, Rockdale, Newton, Jasper, Jones, Twiggs, Bleckley, Dodge, Wilcox, Ben Hill, Irwin, Berrien, Lanier, Lowndes and counties to the west	No operation		25	25

\*\*\*\*\*

### TICKET EXPIRE IN 1963? - - - BETTER TAKE A LOOK, OM

Just about one in every five General, Advance or Extra class tickets does, you know.

When you renew, make sure that you do qualify for that new five year lease. If you do, you have a right to be proud of your hobby and your participation in it. Two suggestions:

Invest at least 25% of your operating time this year on the c.w. bands if you have been drifting away from that mode. You will recapture much of the fun that you may have forgotten existed in ham radio. What is more, you will be able to sign your name to the renewal with no apologies to your conscience.

Secondly, invest in the latest license manual and test yourself as to whether you have the knowledge

that would get you past the examinations that the 9-year-olds are passing in order to purge the pesky "N" from their calls.

by WØDQL de Splatter  
\*\*\*\*\*

Dear Gang,

Enclosed is a check for \$6 which should keep me in your good graces for another year. I enjoy receiving the Ham Hum down here.

And don't think it doesn't get cold down here in winter. It feels worse than up north where it really gets cold.

Best regards to all.

73

Larry, KØSJD/4

\*\*\*\*\*

Cedar Rapids, Iowa  
February 3, 1963

Dear John,

It was surely nice to receive your Christmas card. I have delayed ~~you~~ too long in writing you but I guess I'm just not much of a letter writer.

As you have heard, I started at Collins in October and since that time have been working on the PRC-38, a pack set for the marine corps. It operates either f.m. or s.s.b. on frequencies from 20 to 70 mc. My area is the r.f. translator. This is the r.f. section on receive operations and the exciter and driver section on transmit.

So far as ham activity goes, I haven't been on the air since I came here. We have the house rented only until in June and the landlord didn't want me to put up an outside antenna so all that I have done is a little building of some test equipment etc. Also have a receiver about 9/10 finished. Sure hope I can get it to work after I finish.

While I was in Rockford, I got the license and call W9EEG but when I moved here, I got back my old call KØIJS. Sure feels good to at least have the old call back. I heard from Ed Lozono and after getting his Phd in Montana, he is now working in St. Jo and got his old call of KØIJV back.

Bill McDonalds stopped here during the week after Christmas on ~~his~~ way back to Chicago and stayed overnight. It was nice to see them again. From what he said, you must have had a nice trip in to the NEC. I was to the conference a year ago

last fall. It is quite an interesting show to attend.

Well, I sure miss the gang at Omaha and the MARS net and all. I think that I specially miss the club meetings. The Ak-Sar-Ben club certainly *is a good one*.

By the way John, I want to congratulate you on the latest addition to your family. If they all get interested in ham radio, it's going to be pretty crowded getting to the rig though.

There isn't much news to pass on to you, guess its been too cold, so will close now. Hope to hear from you soon.

Best of 73  
Harold Peterson, KØIJS  
\*\*\*\*\*

Dear Dick:

My new address is:  
15 Pelham Rd.  
Kendall Park, N.J.

I have just been transferred here, after the Air Force cancelled the project I was on. Am now a logic design engineer, working on satellite project at RCA Space Center.

Am going to get back on the air this spring with a SX101A and HX-10. Be looking for the Omaha gang then.

Harlan Bercovici  
W4TAQ/2  
\*\*\*\*\*

#### FOR SALE:

Excellent 32 S-1 (No. 146) and  
75 S-1 (No. 3553) for \$800 or KWM2.  
KØJXN  
202 East 25  
Bellevue, Nebr.  
\*\*\*\*\*

20 Febr. 1963

Dear Gang:

Sure enjoy Ham Hum out here in California, and am sending along a couple of bucks to defray mailing costs. Also note the new address and Call.

My work here on the ComLog Net computer may be ending this spring, then a new QTH. Will keep you advised.

Going to do some local six-meter work here in a few days, have a Gonset III. Enjoyed the articles on Technician operation. I left the air in Omaha when the break-in's and the long-winded discourteous transmissions became common practice. IN Amateur Radio, as well as all our activities, common courtesy and consideration of others' rights could make all our lives safer and happier. Thanks for the use of your "Soap-Box."

73's

Millard J. Edgerton

Ex-WQNR - WA6VZZ

\*\*\*\*\*

#### Attention VHFers

Mark the date on your calendar. Saturday, March 16 is the date for The VHF Amateur contest. It is a 12 hour contest from 9 a.m. to 9 p.m. local time for those who have that weekend contest hangover. Also of interest, it's a one-band entry, but you may enter separately for each band (50 mc., 144 mc., 220 mc., & 432 mc.). For a contest log write The VHF Amateur, 300 West 43rd Street, New York 36, N.Y. For more details see page 71 of February CQ.

73

Harry I. Silver, WA0DJK

\*\*\*\*\*

Chuck Sudds, K0TVD, recently bought one of the WRL phone patch transformers and wired up the circuit. He reports that it has worked so satisfactory with his Gonset equipment, that he thought that the print should be passed along to the folks in other areas. Ed.

(See Diagram opposite page)

\*\*\*\*\*

Timber Creek, Nebr.

2-14-63

Dear Gang:

Have any of you tried to get a "Fix" on a few of those illegal signals, such as the Comm. RTTY at approx. 3.9 Mc. in the early A.M. or the Homing sig. unmodulated except for the letter "K" in tone, every 20 seconds, (3.95) these are definitely not amateur, and are using the spectrum illegally....

I will be off the air for a time until I can locate a 500 ma. Plate supply transformer, 1,000 v DC.

I have *for sale, or trade* a Heath Q multiplier, unused, might swap on a VFO, whatever that is.... would appreciate very much give this a plug sometime...I try to always be home each Sat. or Sunday, all day, drop in then, look me over, if you can take it...(meaning Me).

Nothing otherwise new, Elsworth, and I doing as well as can be expected... 73's and tnx.

Rocky, W0TIP,

(P.S. Timbercreek, is misspelled on map, and license, Wood River, Nebr.)

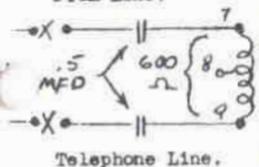
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Cat. No. XC233

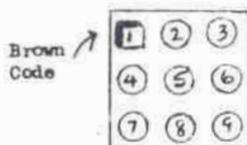
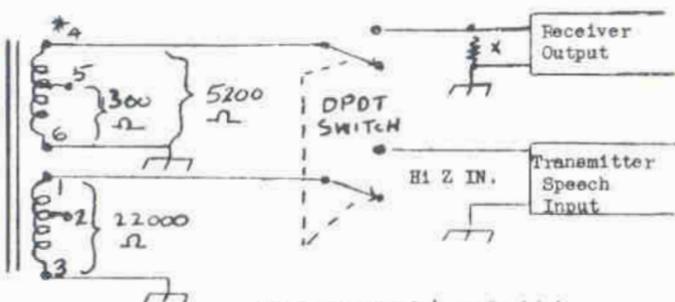
PHONE PATCH TRANSFORMER

RANGE 250-2500 CPS.

Switch or Plug to Disconnect Patch From Line.



Telephone Line.



Bottom View of Terminals

\* Use terminal 4 or 5 whichever matches receiver best, exact match not necessary. Receivers with 500 Ohm Output require 560 Ohm loading resistor at "X". This resistor is not necessary on higher impedance, or when headphone output is used to feed patch.

Dear Dick:

Just a note to let you know that I still enjoy getting the Ham Hum and you can be assured that it is carefully read. Pass along my best to all the gang...I haven't been out that way in some years but maybe the League will be scheduling me for your area one of these years. Lost all my antennas in a bad storm but lucky to be insured. You might tell your boys that they should check their policies on antenna windstorm protection because some require a special rider.

Very 73,  
Lew McCoy, WIICP  
\*\*\*\*\*

**FOR SALE:**

One Harvey-Wells R-9A Receiver.  
Looks like new for \$50.

Rev. Robert B. Glazner,  
K4TNG  
Route 1, Box 91  
Rockingham, N.C.  
\*\*\*\*\*

**MOBILE INSURANCE**

From "THE VHF AMATEUR"  
by Dave Heller, K3HNP

Have you a mobile rig? Will you ever have a mobile rig? If so, read this and remember it - act immediately if you should.

"For the purpose of determining the symbol for a private passenger automobile which is equipped with (air conditioning) and/or a TWO-WAY TELEPHONE OR RADIO COMMUNICATIONS SYSTEM, the applicable symbol shall be increased to the next higher premium symbol rating group. SUCH EQUIPMENT SHALL BE DECLARED AND DESCRIBED IN THE POLICY. This rule does not apply to ordinary accessories such as..."

Such an insurance premium will be a little higher, but it is well worth the investment. Ever see QST's stolen Gonset listing?

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## "THE TECHNICIAN" EDITORIAL

Armond M. Noble, K7MFA

There seems to be a great deal of interest in the possibility of the 10 meter band being opened to Technicians. It is being taken up at the May meeting of the ARRL Board, for possible presentation to the FCC.

It would be most pathetic if the Technicians flocked en masse to the 10 meter band and deserted the higher VHF bands altogether. The reason for the move would be because of skip contacts on the band. If all there is to ham radio is making skip contacts and getting QSL cards, it is in sad shape!

What could a person do on the lower bands, that hasn't already BEEN done thousands of times before? Meanwhile, the *challenges* that exist on the VHF bands are tremendous.

The VHF bands offer a chance to stand apart from the DX hounds and certificate seekers on the lower bands; whose *only* interest lies in long-drawn-out rag chews and collecting wallpaper. It takes a TRUE amateur radio operator to study propagation and to utilize proper VHF construction techniques.

The VHF bands are a fertile field for exploration and research. Instead of "chewing the rag" on ten meters, wouldn't it be better to be sending in VHF OES reports to the ARRL, and participating in other scientific projects? Granted, rag-chewing is a most enjoyable past-time, and chasing *DX* is exciting, but there are more facets of ham radio to go into and enjoy. Let us look at the end results. What would

be more satisfying to the individual and also aid in advancing the "State of the art"...working all states on the lower bands, or having one of the longest distance contacts on 420?

There is a place in the Space Age for the amateur, the amateur who is equipped electronically and mentally. The next few years should be years of fascinating projects in which to participate. According to several amateurs who have been in the game for many years (on all bands), tracking the OSCAR satellite was one of their greatest thrills in amateur radio.

What does the future hold in store for 144, 220, 420 and up? Look at some of the tremendous long distance contacts that there have been recently. This type of work can be done by any *conscientious* Technician.

Certainly, the prospect of having ten meters is an exciting one; one that we hope will materialize, - but let's stop and think before we ALL stampede DOWN the ladder. Let's ALSO remember that the real challenges, and the new frontiers lie in the other direction...UP.

- de Pack Rats  
Mt. Airy VHF Radio Club, Philadelphia

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## THE 'MODULATOR' SCOOPS THE WORLD BY A YEAR

Just a year ago George Messenger, K6CT, made a prediction that the year 1968 would see the greatest sun spot activity ever recorded. This prediction was made in the face of predictions by experts who forecast that there would be a steady

sun spot activity decline from the 1958 maximum until after the year 2000.

According to a Russian report which has subsequently been authenticated by American experts, the sun spot activity will reach a dramatic peak in the period 1966-1970. This UPI announcement was made in Washington and was published in the *Daily Tribune* Wednesday, June 13th of this year. It should be noted that George predicted, in his article, that the peak would be a smoothed number of 241 and would occur in 1968.

- de Modulator - Pomona, Calif.

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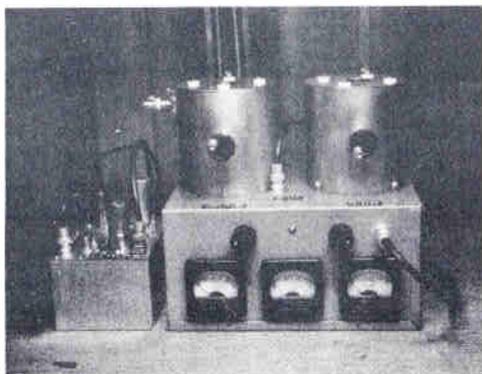
### NICK'S NOTES

Hi:

In the past several months we have been trying to encourage more activity on the higher frequencies, particularly those of you who haven't had that pleasure. It is only natural that comments are made in person to the writer when personal contact is made and they invariably consist of "VHF/UHF sure sounds like fun, but looks like a lot of work" or "Sure would like to get up there, but can't afford it - no time etc. etc." Fellows, this is a lot of QRM!

Pictured in Col. 2 is a 432 Mc. station. On the right is a dual cavity (not a push-pull distillery) tripling from 2 meters and amplifying on 432. The smaller chassis in the center is the converter. Could it be any easier? The cost? Four cavities were made from brass for less than ten dollars. The other parts are usually found in any "ham shack" and information

on VHF and UHF is plentiful. John F. Rider, CQ, ARRL and others publish volumes of data. Need help? Any VHF man active or not, will be more than willing to assist another ham to get started on the higher frequencies.



Six meters is active - two meters is fun - 432 Mc. is a challenge - 1296 Mc. - who knows?

73, Nick, WØIIC  
de Splatter

\*\*\*\*\*

2-8-63

No. Platte, Nebr.

I presume you have all noticed the election notice in February QST in regard to the Section Communications Manager.

My third term as SCM expires on June 10th and I have enjoyed working with your Club and my visit with your Club, also have enjoyed very much Ham Hum each month and I wish to announce that I will not be a candidate for another term as SCM.

73,  
WØEXP

Chas. E. Mc Neel, SCM  
Route 3, No. Platte

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# WANTED

An Amateur experienced in SSB circuitry for equipment check out. To start immediately. Contact John Catania.

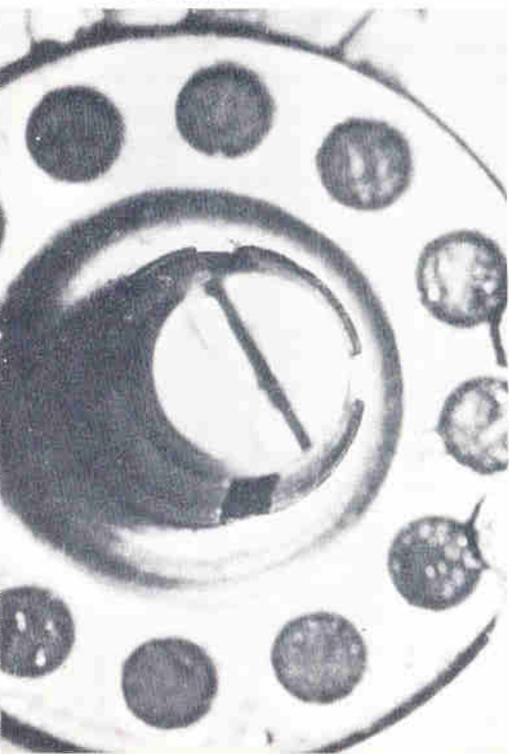
## WORLD Radio Lab

3415 West Broadway

Omaha phone: 342-4720

Co. Bluffs: 328-1851

Guess What?



ANSWERS NEXT MONTH

Photo 2.

OFFICIAL BULLETIN NR 886 FROM  
ARRL HEADQUARTERS WEST HART-  
FORD CONN FEBRUARY 21, 1963 TO  
ALL RADIO AMATEURS BT

Attention DXers. Announcement is hereby made of the addition to the ARRL Countries List of Juan de Nova. This listing will encompass the islands of Juan de Nova, Bassas da India and Europa. These three islands are French territory under the administration of the Overseas Department of Reunion. DXCC credit claims for contacts with Juan de Nova may be made starting June 1, 1963. Such confirmations must be received for contacts made June 25, 1960 or later. Confirmations for Juan de Nova received before June 1, 1963 will be returned without credit. See April QST for further details AR

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