



HAM HUM

AK-SAR-BEN
RADIO CLUB

*Notes
and
columns*
*8 1/2 x 11 double
size*

WØEQU

September, 1955

P. O. Box 626

Omaha 1, Nebr.

Vol. V No. 9



Don't you miss
the boat! *

*See page 17 for time of departure.

ECONOMY ON "TWO"

BY John Snyder, WØWRT

Here is a 2 meter rig that is neither complicated nor costly. An exact estimate of the cost is not available, since most of us have a few parts that we use in most anything we make. If all parts were bought new, it would run about \$25.00. Power requirements are low, about 300 volts at 100 ma.

All resistors are $\frac{1}{2}$ watt unless specified. All condensers are ceramil disc, or tubular, except cathode bypass condensers, which are electrolytic.

Coils should be grid dipped if possible, as the inductance values are not too precise. L 1 is 11 turns of No. 22 wire wound on a National XR-50 form. It should resonate at

about 18.3 Mc., using a 6100 kc. crystal. Coil L 2 is 12 turns of No. 22 wire on a CTC $\frac{3}{8}$ " slug tuned form (CTC is Cambridge Thermionic Co.) Resonate L 2 at about 36.6 Mc. Coil L 3 is $3\frac{1}{2}$ turns from a B&W No. 3007 Mini-inductor, tuned by a compression trimmer of about 3-30 mmfd, and resonated at 73.2 Mc.

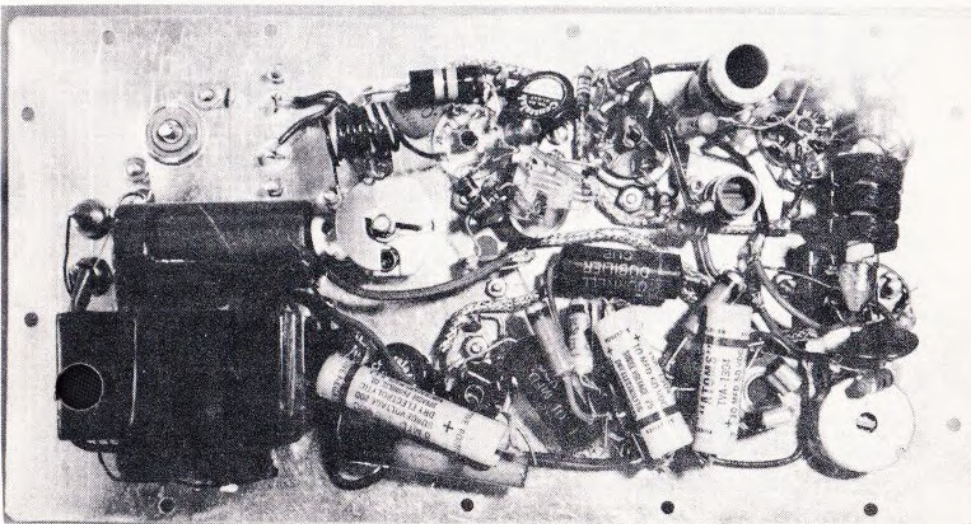
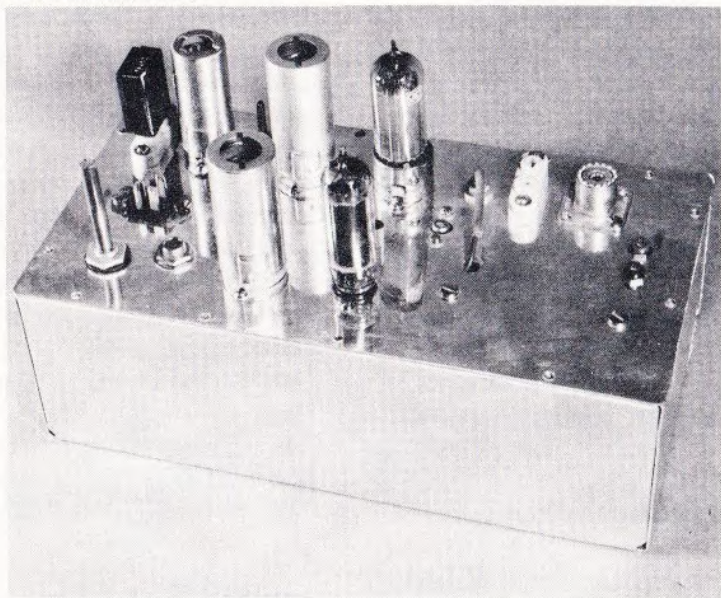
Coil L 4 is 6 turns of No. 14 wire air wound, $\frac{1}{2}$ " dia. and spaced about 1" long. It is tuned by a APC type trimmer of about 25 or 30 mmfd. max. and tuned to 146.4 Mc. The link, L 5 is 2 turns of solid No. 20 (insulated) hookup wire. The link is tightly coupled at the center of the coil, and feeds 300 ohm line. The modulation is Heising, using an output xfmr, the secondary not used, one side grounded. Condenser CX, the final plate and screen by-pass, is an Erie feed-through type of 1500 mmfd.

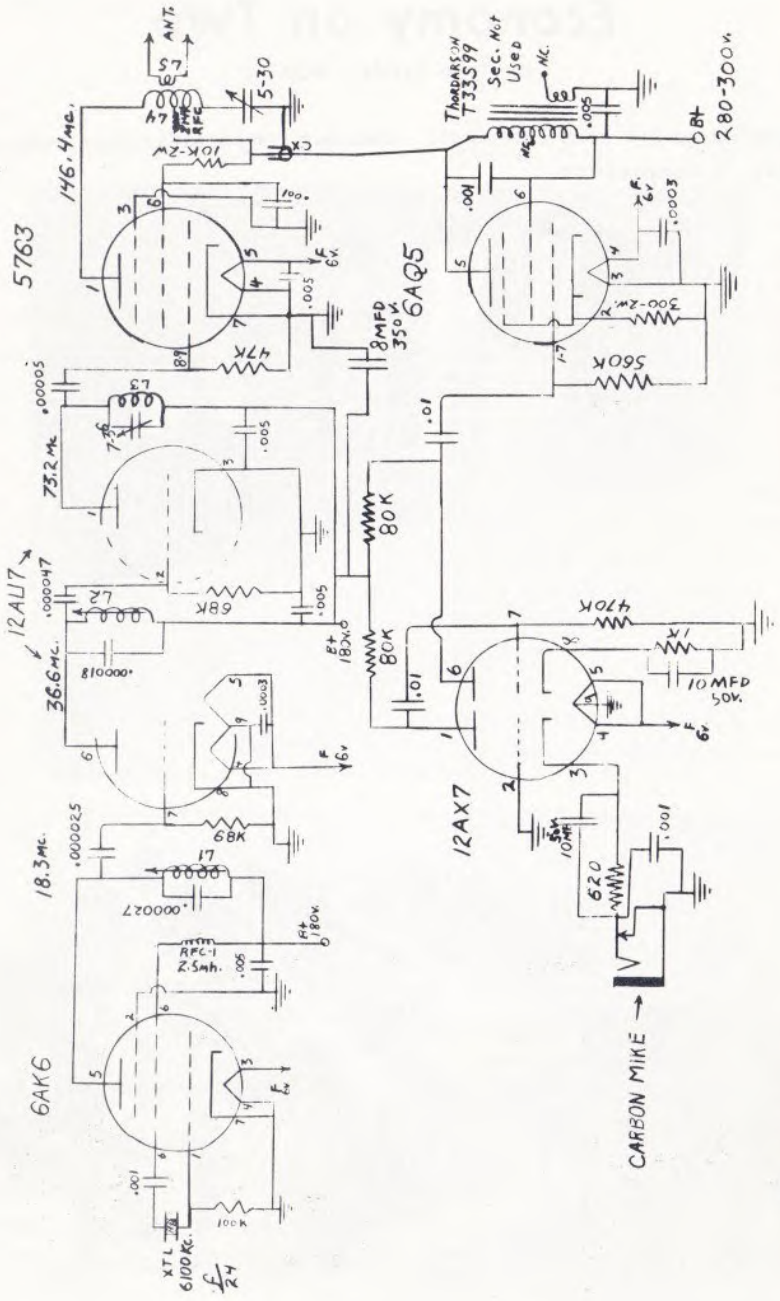
This rig is built on a transcription disc with the coating removed. The disc is cut to fit an inverted chassis. Metering jacks and other accessories could be added if desired, but if the cost is to be kept down they should be omitted. After the first tune up it should not be necessary to have any meters in the circuit. A potentiometer is seen on the chassis in the picture, but need not be used. This is in the grid of the 6AQ5 and if wanted just put in the 560K ohm resistor shown in the diagram. GOOD LUCK ES "DX".....

Economy on Two

By John Synder, WØWRT

An efficient low cost 2 meter rig, featuring compactness plus some new ideas in construction.





ALL MEMBERS...PLEASE NOTE

If you could have been with me at noon the other day as I had lunch with RMC, Rudy, you could not have helped but been enthusiastic on the coming convention program. Its Jam packed with news, programs and other important data on all convention activities. To help sponsor the tremendous expense of an undertaking such as this we are asking you to please get those business friends of yours to sign up for an ad. Prices start at \$5.00, giving your friend plenty of space to let the Midwest Amateurs know of their services. You are actually doing him a big favor and HE KNOWS it. Ask him to BUY NOW.

SHOULD HAVE BEEN PRINTED LAST MONTH:

We regret to report that the news of the Prairie Dog Amateur Radio Club Sponsored South Dakota State convention came too late to report last month in Ham Hum. Trust you boys had a big time Sept. 3 & 4.

CLUB CERTIFICATE

● you have not already received your Ak-Sar-Ben Radio Club membership certificate contact Larry Caccamo at the next club meeting.

"I'VE BEEN WORKIN' ON THE RAILROAD"

...and that is exactly what Bob Brenaeman has been doing for the past 12 years. Bob reported to the Ak-Sar-Ben Club at the August meeting on the important part that radio plays in the operation of the worlds largest railroad systems. Fellows, as a novice in this ham business, I was amazed at the fantastic array of radio gear it takes to get this tremendous job done. Bob informed us, in an inspiring way, that over 400 xmiters are used on the UP system to keep the wheels rolling. From track walkers to car checkers, radio is linking the East to the West, another "golden spike" in the mass network of trackage it takes to bring you the things you need, when and where you need them. Thanks Bob, for the fine demonstration.

MERRY CHRISTMAS

It won't be long now till that annual Christmas party will be just around the corner - also you will remember the requirements for eligibility - check the new roster to see if possibly your name was omitted on account of non-payment of dues....

"CONVENTION PROGRAM OUTSTANDING"

Earle Olsen, (JKE) General Convention Chairman, reports, "Early plans and confirmations indicate that the 1955 Midwest Division-ARRL Convention will undoubtedly be the finest in the country. Individual committee meetings have been held and according to the reports of the Chairmen, most all plans have already been solidified. The list of key speakers is already representative of "Who's Who" of the radio industry.

In addition to top technical discussions on transmitters, receivers, and transistors special sessions are well under way for DXers, traffic men, novices, UHF, mobile, and rag-chewers, all.

We can't give you the whole scoop now but the big social hour and teen party plans are rounding into a gala event.

Don't forget to bring the XYL's for there are already arranged - the kind of lacey - events that the best gal will enjoy. Keep friend wife happy by making her a part of the Omaha trip.

Fellows, if you are planning to stay at the Fontenelle Hotel, Convention Headquarters, we suggest that you use the registration form in this issue HAM HUM and get it in to the hotel at once.

The requests for rooms are increasing day by day so act now.

Last, but certainly not least, the list of prizes to be awarded to those in attendance at the Convention will make your eyes pop out! We promise you the Biggest (dollar value) prize that has ever been awarded at any ham convention. Yes-sir, the big prize will have a value of \$734.95..!!

Guys, this will be your biggest Convention in the Mid-west Division for a long, long, time, so make your plans to attend NOW.

Herb, ZZG, enjoyed a FB vacation trip to New York State. Herb had planned to mobile on the way but no such luck. After returning home Herb found the usual loose connections. Hi!

Ed visited Oak Ridge, Tenn., and by accident saw WWV, near Washington, D. C.

Continued on Page 13

CQX just returned from a 3 week vacation which included a 1 week stay in Washington D. C., then home via the Carolinas, Georgia, Tennessee, and Kentucky.

John Snyder, WRT, is now under lock and key to the new XYL. John's 2 meter rig is described elsewhere in this issue. (Looks like the new XYL is agreeable to Ham radio.)

EDITORIAL

Summertime is a grand time of the year for it opens up the "wide open spaces" to the YL's, XYL's, and the OM, for sure. When the days start getting longer and the weather melts the lead, it pulls the Ham out of hibernation after six months of rig building, brass pounding, and verbal linguistic demonstrations via the phone bands. Interests move to the ole swimmin hole, picnics, golf, and sometimes, just plain doing of nothing at all.

While thats fine..it seems that our hobby takes a terrific beating during these proverbial "dog days". If you listen on 20, with its full load of QRM there may be some doubt in your mind, or if you are xtal controlled and look for one open spot on the 40 meter band you might wonder if its all worth while.

During these days of relaxation your HAM HUM editors are having a rough go of it, too,

believe me. There are times when we feel like throwing in the sponge and then you remember the gang that send in those bouquets that tell us how well they enjoy the paper, (and we do like to get them) or the fellows that say "Here's a buck for postage, please keep me on the mailing list", and the guys and gals in the Club that are awaiting the announcement of the next meeting,.....and there you are.

So...we're kinda glad the summer days are at the exit..about to go. We know that your just about to start that annual trek back to the shack, filled with renewed vigor and vitality, brand new ideas as to how your going to change the sky hook, the rig and even your operating procedure. But keep in mind, gang, there's no oneness in this ham radio deal, so you might just as well tell everybody about your ideas, plans, and the results you have had so far, by sending it to HAM HUM and share it with the guy next door.

Yep, summertime is a grand time of the year, but its on the way out, so how about getting back in the swing and help to make HAM HUM a bigger and better paper from here on out.

TRAFFIC MEN TAKE NOTE!

The Midwest Division-ARRL Convention should be a MUST date on your calender. This will be your big opportunity to rag chew, verbally that is, with some of the big "keys" of the brass pounders clan. We understand that George Hart, WINJM, from ARRL headquarters is to be on deck. George is the ARRL's National Emergency Coordinator and also in charge of ARRL's National Traffic System. According to our source, this will be the first ARRL Communications man to attend a Midwest Division Convention for quite a long time.

We hear that Herb Patterson, WØDQL, Manager of the 10th regional net, will be here in person also. Herb hails from Minneapolis.

Merton Meade, of Kansas City, WØKXL, etal, of MIDWEST CLIX fame, will be looking for you at the traffic mans special session.

Jim, SPG, Tony, QMW, and Rod, BCA, experienced and automobile mishap on August 26th. Each of the fellows were slightly injured, but none serious. Here's wishing each of the fellows a speedy recovery.

UNION PACIFIC CLUB

When a group of "Hams" with a common interest make up their minds to do something, you just don't hold them back.

Thats the way it is with the fellows at UP headquarters. They have made up their minds to have a Radio Club made up of the Omaha employees and they're off to a fast start.

Temporary officers were elected, and by the time of this publication, the new permanent officers should have been installed.

The "boss", Union Pacific, have assisted materially by furnishing a swell meeting place on the top floor of the UP building, Club QSL's have been printed, and the company film library has been made available for program purposes.

One of the highlights of the UP Club activities, is the equiping of a railroad car with

receiver, transmitters, generator power supply, plus other gear, for use in Emergency, CD, Field Day, and similar functions.

These men are ready for participation in local events, and based upon past performance of their members they'll do a bang up job! Swell going fellows.

John Orr, PHW, has been hiding out in the shack recently, burning the midnight kilo-whats, designing that new super mobile set-up. If you think you have ever participated in a hidden transmitter hunt, you might try locating John's gear. (PS. Look under the back seat arm rest) John has thrown it into high and has the new receiver about installed, (PMR6A), so he can QSO during his vacation trip to W6land. We'll be listening for that "Poor Half Watt", John.

We understand that Dick, YZV, took a trip to Florida in his new air conditioned station "waggin" but that the air wasn't "waggin" in the torrid climate down there.

Our most hearty thanks to all the persons that assisted in addressing the convention QSL's.

FOR THE "AVERAGE" (?) HAM

The other day, for lack or something better to do, one of the local boys picked up a book on micro-wave theory. After XYZ plus B2 G#%*&! went by the ream of book pages, said local wandered away muttering something about electrons going around in circles. Better stick to the low frequencies, boys. That micro stuff must be dangerous!

GRAND ISLAND "HAMFEST" BIG SUCCESS

To those of you that missed the annual hamfest and picnic on August 14th, we suggest that you start making your plans to attend the next one.

For those that did attend, the royal rug of welcome was unrolled by the Grand Island gang. These fellows went all out to show their members, XYL's families and guests a mighty enjoyable afternoon. The food was delicious, refreshments were cold, and the hospitality outstanding. That old master, DW, knows how to keep your coffee cup full at just the right moment. Omaha was represented by JJK, NMN, EUT, and QMD. Congratulations to the Grand

Island Club for a swell picnic.

We have a heck or a time getting enuf articles for HAM HUM from you fellows but maybe its that old green stuff that makes the difference. If thats it and you have an interesting article with or without pictures and of mutual interest to fellows like

you and me, then write it up in your usual fine style and submit it to CQ magazine. You Can't tell, it might be the article that could earn you enough to pay for your Omaha Convention registration and still have some left over. And...for sure...we would like to see national recognition of some of our gang.

HAM DISTRIBUTORS



"Have you got a mirror? I'd like to see how I look in it."

Check Convention Convention
Chamber of Commerce
Intro
Letterhead
1st cover



WHAT? _____ Midwest Division ARRL
Convention sponsored by
the Ak-Sar-Ben Radio Club
of Omaha.


WHEN? _____ Saturday and Sunday
October 22 & 23, 1955

WHERE? _____ Omaha, Fontenelle Hotel

AK-SAR  EN RADIO CLUB
P. O. BOX 626
OMAHA, NEBRASKA



NEXT MEETING
FONTENELLE HOTEL
FRIDAY SEPTEMBER 9th
8:00 PM

B  RATE
U.S. POSTAGE
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