T. A. R. C.

TAMAQUA AMATEUR RADIO CLUB

3860 KC — SARDINE WRAPPER — 3700 KC

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CLUB OFFICERS

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PRESIDENTS KORN KORNER

Well here I am again. S pouting off again. The only dope we have for you thus month is that the club is going back to two (2) meetings a month again. S econd (2) and fourth (4) Monday s of the month. REASON ? ? ? That is a good question. It seems that quite a few of us members are eager to learn a thing or three if and when we can get taught. Some of the more learned members have from time to time have prepared talks and lectures on various fazes of the art and our secluded hobby. Yet when the time comes for these fellas to give with the words of the wise, it seems that the meeting was all taken up by some other business matter and the time lapsed was to great to go into any tecknical matters.

THEREFORE BE IT HERE WITH NOTED. . . . . .

The first (1st) meeting of each month will be a BUSINESS - - - session and the second (2nd) meeting of each month will be a TECKNICAL * * * discussion or more on the activity side of the club matters.

We hope that in this manner we can get that long awaited talk on " How Radio Tubes Work " by W 3 K J J and our " Math " brought up to date by Prof. Sarli W 3 C M A.

I also might be approached to give a few words on " How Easy It Is To Blow 807's." I also have a pet of mine " Designing your own Rig ". With the clubs permission and your 100% attendance we hope that all the preparation of these fellows will not be in vain.

The flub is also going to put on a DEMONSTRATION in the SENIOR HIGH SCHOOL on APRIL 8th, 1957. We not only need the committee to help put this thing across but, the assistance of all the club members. For further dope on this affair see else where in the "Fish Paper"

( ) The last sentence written by our President had good intentions but as I sit here typing out this wrapper I wish to ask you to save your eyes, as to date no report on the "SENIOR HIGH SCHOOL DEMONSTRATION HAS BEEN TURNED IN TO ME" As a matter of fact nothing was turned in to me until March 28th, 1957 for this wrapper. Fellas once again the DEAD LINE for each wrapper is the 15th of each month. Now if this is asking too much then I will find other things to do with my time and least of my worries will be the wrapper. W3COW

SOUPER SNOOPER FREEK METER BY W 3 Z R Q

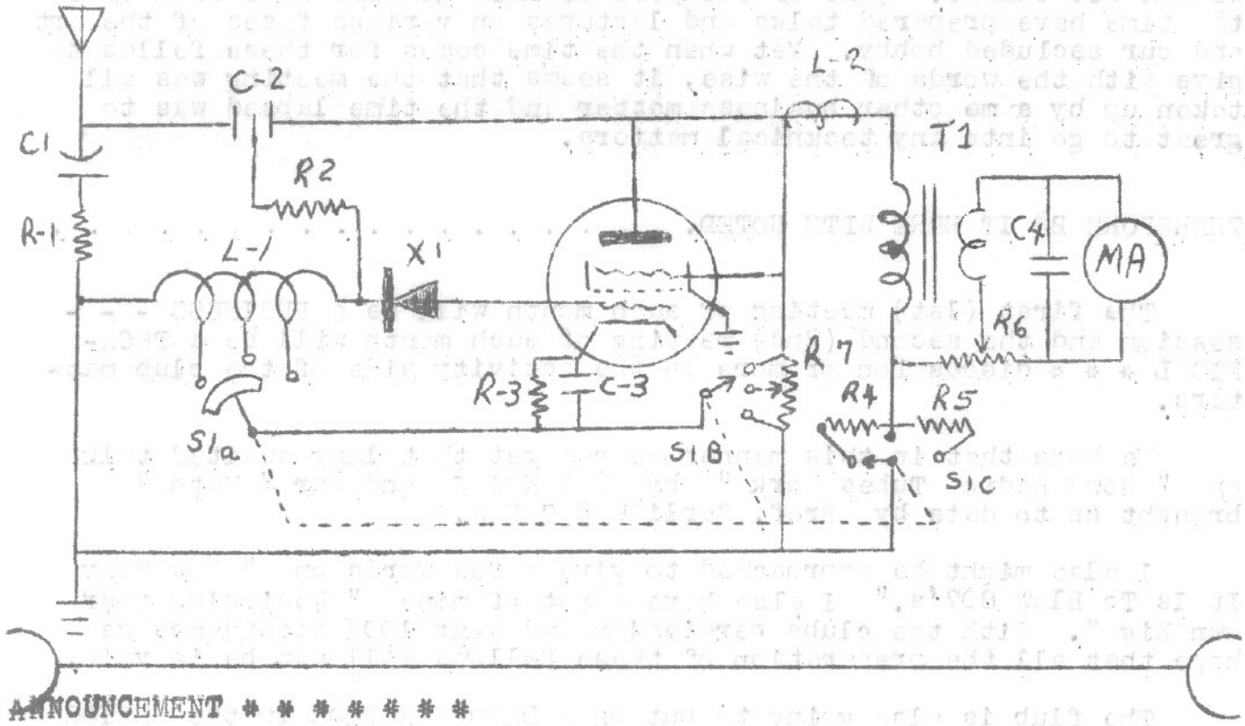
Probably by this time the word has gotten around that I have designed and built an all band one coil Freq. Meter. The following is a run-down of same and how (we hope we think) it works.

All the components are all standard. The tubes may be of any type but we found out that tuning eye type 6E5 etc. Work best. The signal enters the antenna and is partialy split up. Half goes to L-1 thru C-1 a 300 or 400 mmfd. Receiver type condenser and the other is fed directly to the plate cercuit thru the blocking condenser C-2, a tubular ceramic with one turn around it for the center tap

In order that the signal is split perfectly we had to experiment with R-1 but a value of about 2.5 meg was found about right. R-2 is not critical since this makes up for any unbalance in sig strength betweenC-1 and C-2.

L-1 is a 160 meter B & W JEL with the link removed and taps taken at the 15th 35th and 64th turn from terminal X-1. X-1 is a diode of the IN34 type. R-3, R-4, and R-5 are all 2 watt 15,000 Ohm resistors. Other values may be used if a 0 to 1 Ma. meter is not used. L-2 is 1 and a half turns around the terminal of T-1. This as you see neutralizes the tube and prevents feed back thru C-2. R-6 and R-7 are ½ meg volume controls. R-6 is the meter sensitivity control, R-7 controls the amount of negative bias on the screen grid of the tube therefore doing away with a power supply, since the power is obtained directly from the antenna circuit via the ground connection of R-1. The same holds true for the plate circuit which is controlled by R-4 and R-5. T-1 is anout-put X-fromer from an Acey-Ducey Set.

Two bands are covered by each tap on the switch. 160 and 80 on tap 15. 40 and 20 on tap 35, and 15 and 10 on the 64 turn. If a B & W JEL is not available a piece of B & W Miniductor may be substituted. We had quite a time in building the first one of these, but here is the dope and all the figuring finished for you. Jest dig in to the junk box and let us wish you luck. 73. Al Breiner....



ANNOUNCEMENT * * * * * * *

I have been just notified that if ther isn't anything in for the wrapper by April 15th there will be no April issue. March issue is only a month late. The "Operation Hi-School" hasn't made any report as yet. We shall try to tell you in these few lines. The Story.....

On April 6 at 1 PM the fellas wishing to help set-up will meet at QTH of W3ZRQ es W3CMA and prepare and hang the sky-wire at the Hi-School. * * RAIN DATE April 7 at 1 PM. On Monday the Committee will have to be at the School no later than 6 PM to set things in operation and have all in readiness by 8 o'clock. To those staying home- Call in to W3RZV/3 when you hear it on the air. 3850 Kc and 3610 Kc will be used. Penna. Fone net and NN c.w. net will be in operation Further info on Sat. es Sun. All committee members make sure your work is ready for Monday evening. Luck 73 - El Presidena a.