

WESTERN  
UNION

WU U22 25 NL

HOLLYWOOD FLO DEC 21 1942

GROTE REBER

CARE STEWART WARNER CORPN

BIRTHDAY GREETINGS. OLD MAN. CONV/// CONGRATULATIONS ATTAINING

RIPE OLD AGE. HOPE WILL BE GOOD YEAR COMING UP AND WE CAN

GET TOGETHER SOON ALL THE BEST

SCHUY.

908A DEC 22.

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$$\begin{array}{l}
 160 \text{ MC} \quad 2.5 \mu\text{f} \quad 10 \text{ MC BW} \\
 l_1 = 23.4 \text{ cm} \quad Z_1 = 372 \Omega \quad K = 5637 \Omega \\
 l_2 = 7.5 \text{ cm} \quad Z_2 = 56.05 \Omega
 \end{array}
 \left. \begin{array}{l} \\ \\ \end{array} \right\} \begin{array}{l} \text{calculated} \\ \text{Sample} \end{array}$$

1-18-43

Input capacities of next 6J6      2.7 pushpull  
 Output " " " 6J6      1.8 " "

Input capacities of 6H6G      1.5 pushpull

$$R_{a_1} = 1.47 \sqrt{\frac{R_g}{G_m}} = 1.47 \sqrt{\frac{60,000}{.0053}} = 1.47 \cdot 10^3 \sqrt{70}$$

4700  $\Omega$  optimum filter impedance

$$f_{\text{opt}} = \frac{3.2 \cdot 10^5}{.47 \cdot 10^4 \cdot 2.7} = 25 \text{ MC optimum band width for 6J6 at 160 MC}$$