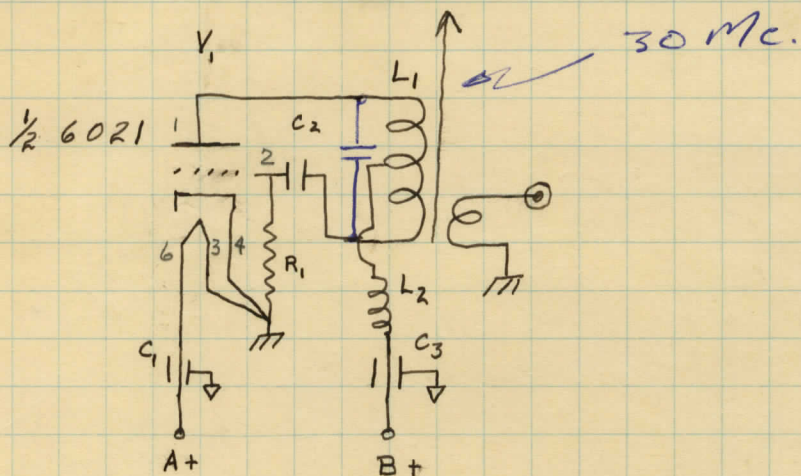


Bread board



- C_1 - 1000 μ feed thru
- 2 - 150 μ
- 3 - 1000 μ feed thru

L_1 - B.T. C.T. - Pri. #30 W.

• 1 T wound below Pri. - see

L_2 - coil of 1 μ H or larger inductance

R_1 - 100 K $\frac{1}{2}$ W 10%

Construct in a sealed box such as
the 'Zero' cans.

12/2/58
MAC

AMPL. GAIN 40:1

RGR. OUTPUT THRU AMPL. (NO SIG.) = .54

$$\text{ACTUAL OUTPUT} = \frac{.54}{40} = .135 \text{ VAC RMS}$$

ABOVE W/ 47K PLATE LOAD RESISTOR & 90 VDC APPLIED

12/9/58
MAC

DRIFT CHECK ON HP608D

0807 UNIT TURNED ON & ZERO BEAT AT 30 MC. W/ INTERNAL XTAL.

0815 UNIT HAD DRIFTED APPROX. 10 KC - REZEROED TO 30 MC.

0826 UNIT HAD DRIFTED ADDITIONAL 1.2 KC. - NOT REZEROED

0851 UNIT HAD DRIFTED TOTAL ADDITIONAL OF 6 KC - REZEROED

0905 " " " ADDITIONAL 1.4 KC. - REZEROED

12/8/58
MAC

HP608D CALIB. (80% mod.)

17 = 30.0 Mc. }
90 = 29.0 Mc. } 127 DIAL DIV. / MC.

CENTER FREQ. DIAL = ~~48~~ 49 (APPROX 29.5)

NO SIG BACKGROUND = 1.0 VAC FROM GR 650-P1 (1KC)

1.8 μ V. = 2.0 VAC = DIAL 49 44 48

18 μ V. = 2.0 VAC = DIAL ~~55~~ 16 17 18

18 μ V. = 2.0 VAC = DIAL 69.0 68 69

180 μ V. = " = " 77.5

180 μ V. = " 5.0

CKT. VALUES FOR ABOVE TEST

$V_1 = 1/26021$

$R_1 = 1 \text{ MEG}$

$R_2 = 47 \text{ K}$

$C_1 = 33 \text{ MMF}$

$C_2 = 47 \text{ MMF}$

$C_3 = .001 \text{ FT}$

$C_4 = .001 \text{ FT}$

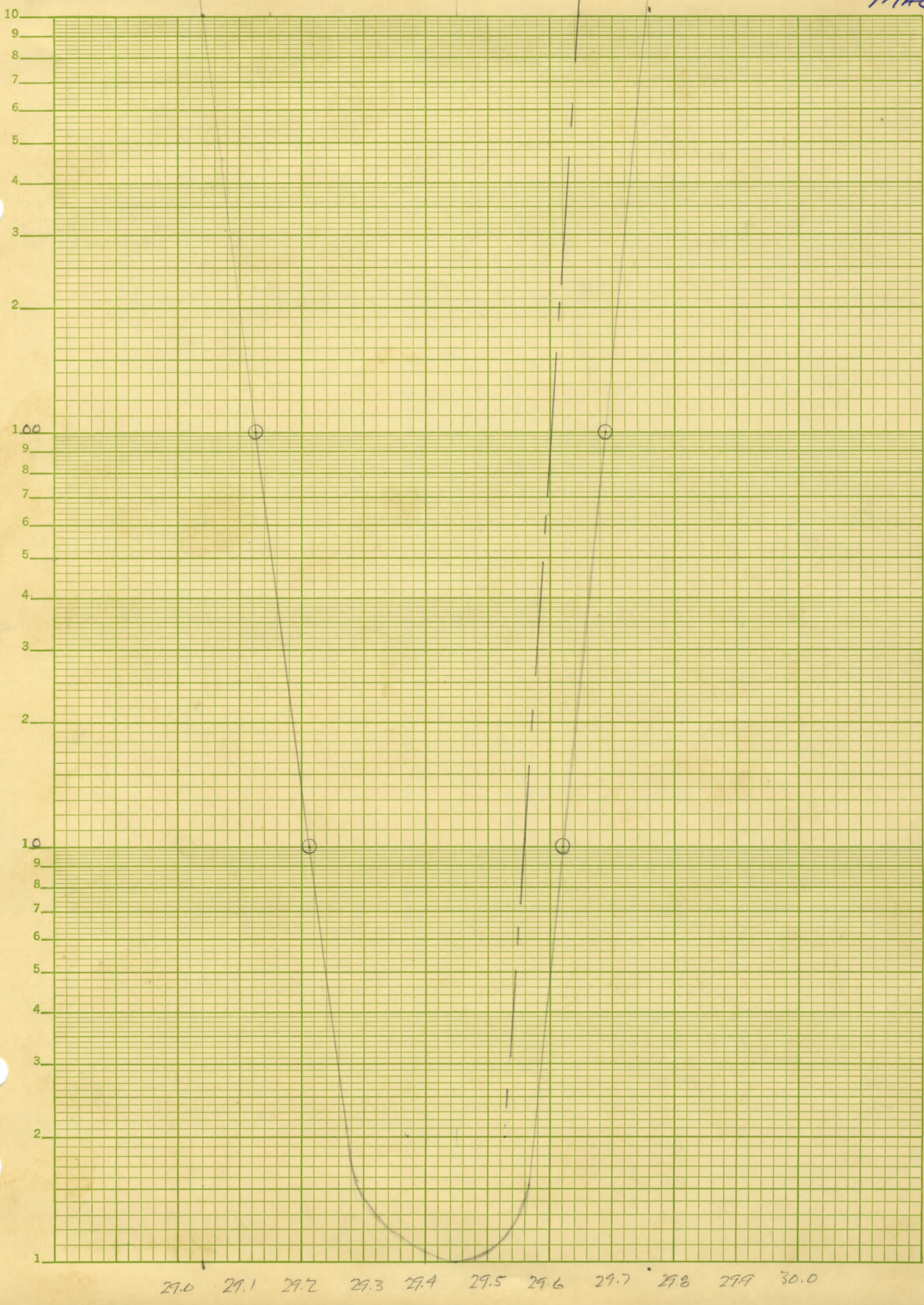
$C_5 = .05$

$L_1 =$

$RFC_1 =$

12/8/58
MAC

SEMI-LOGARITHMIC 358-71
KEUFFEL & ESSER CO. MADE IN U.S.A.
3 CYCLES X 70 DIVISIONS



12/8/58
MAE

DIAL DIV.

