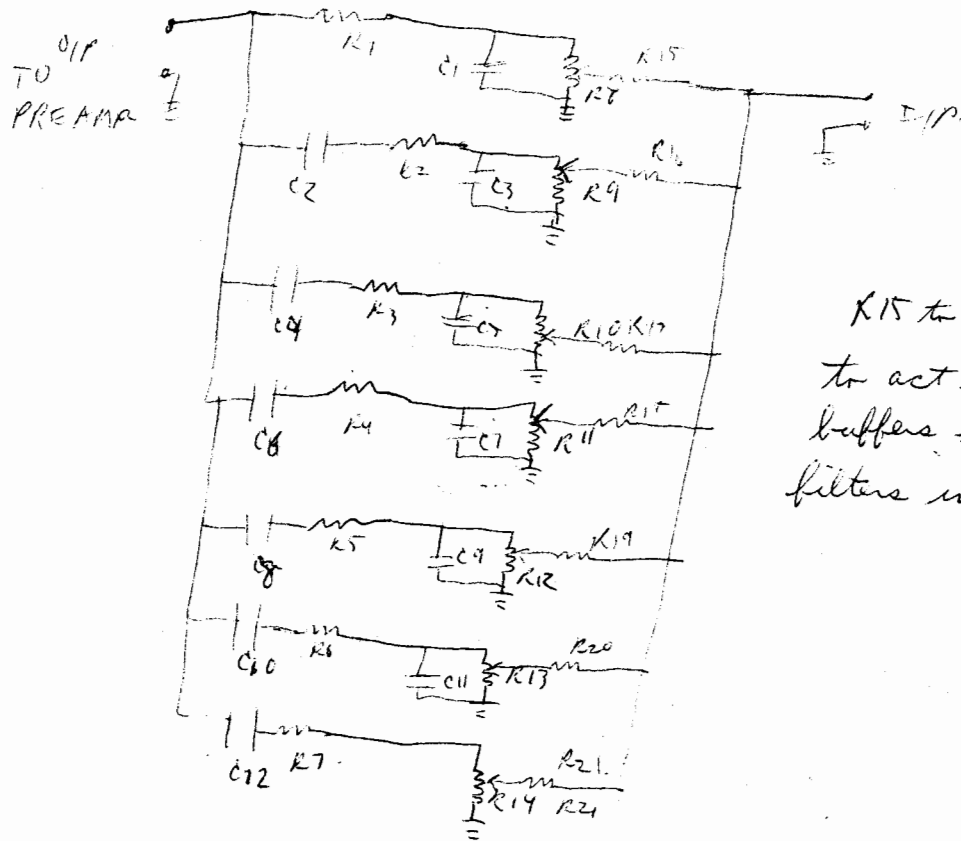


6 db/octave cut for each filter



K15 to 21 in circuit to act merely as buffers - otherwise, filters interact

APPROX 20db attenuation to 25db

- R1, R7 - 820K.
- R2, 3, 4, 5, 6, 15, 16, 17, 18, 19, 20, 21. - 470K.
- K1, K9, 10, 11, 12, 13, 14 - 500K POT.
- C1 - .0015 uF
- C2, 3 - .001
- C4, 5 - 500 pF
- C6, 7 - 250 pF.
- C8, 9 - 120 pF.
- C10, 11 - 68 pF.
- C12 - 25 pF.

- 20
- 40
- 60
- 100
- 250
- 500
- 1000
- 2500
- 5000
- 10000
- 15000
- 20000

CENTER FREQ. FROM TOP DOWN

15	25	75	20
30	50	150 Hz	40
60	100	300 Hz	80
120	250	600 Hz	160
240	500	1200 Hz	320
480	1000	2400 Hz	640
960	2500	4700 Hz	1280
1920	5000	9600 Hz	2560
3840	10000		5120
7680	15000		10240
14360			

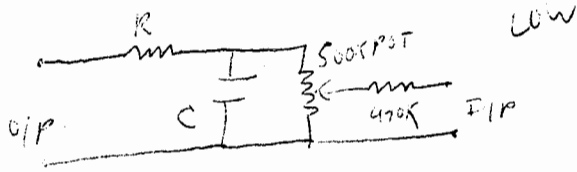
DOUBLING CAPACITOR VALUES WILL HALF THE CENTER FREQUENCY.
HALFING IT WILL DOUBLE FREQ.

for low filter $f = \frac{1}{2\pi} \left[\frac{R_A R_B}{R_A + R_B} \right] C_B$

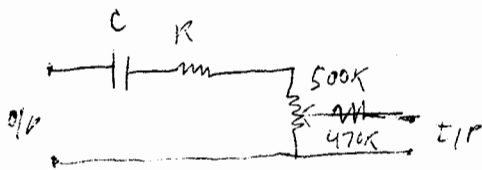
for high filter $f = \frac{1}{2\pi} (R_A + R_B) C_A$

6 db/OCTAVE CUT FOR EACH FILTER.

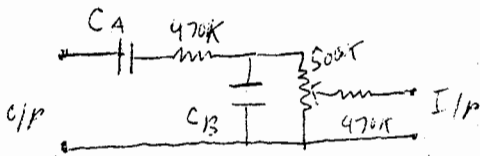
LOWEST UNIT



HIGHEST UNIT



OTHERS



F	R	C	
15		.015	
20		.012	
30	20K	.0072	
40		.006	
50		.0047	
60		.0036	
80 (75)		.003	
100		.00225	
120		.0018	
150 (160)		.0015	
40			.008
125		4	.004
100	.003		
150	.002		
200	.0015		
300 (220)	.001		
500		600pt	
750	0	360pt	
1000		300pt	
1200		250pt	
2000		150pt	
2400		120pt	
3600		80pt	
4700 - 5000		K	68pt 625pt
2500			47pt
4000 - 16000			33pt
12000			27pt
(640) 600	50pt		
4700			50pt
5000			50pt
5000			33pt
10000 (9600)	20K		25pt
12000			20pt
13000		20pt	
14000		18pt	
15000		16pt	
16000		15pt	
17000		14.5pt	
18000		14pt	
19000		13	
20000		12.5pt	

HIGH