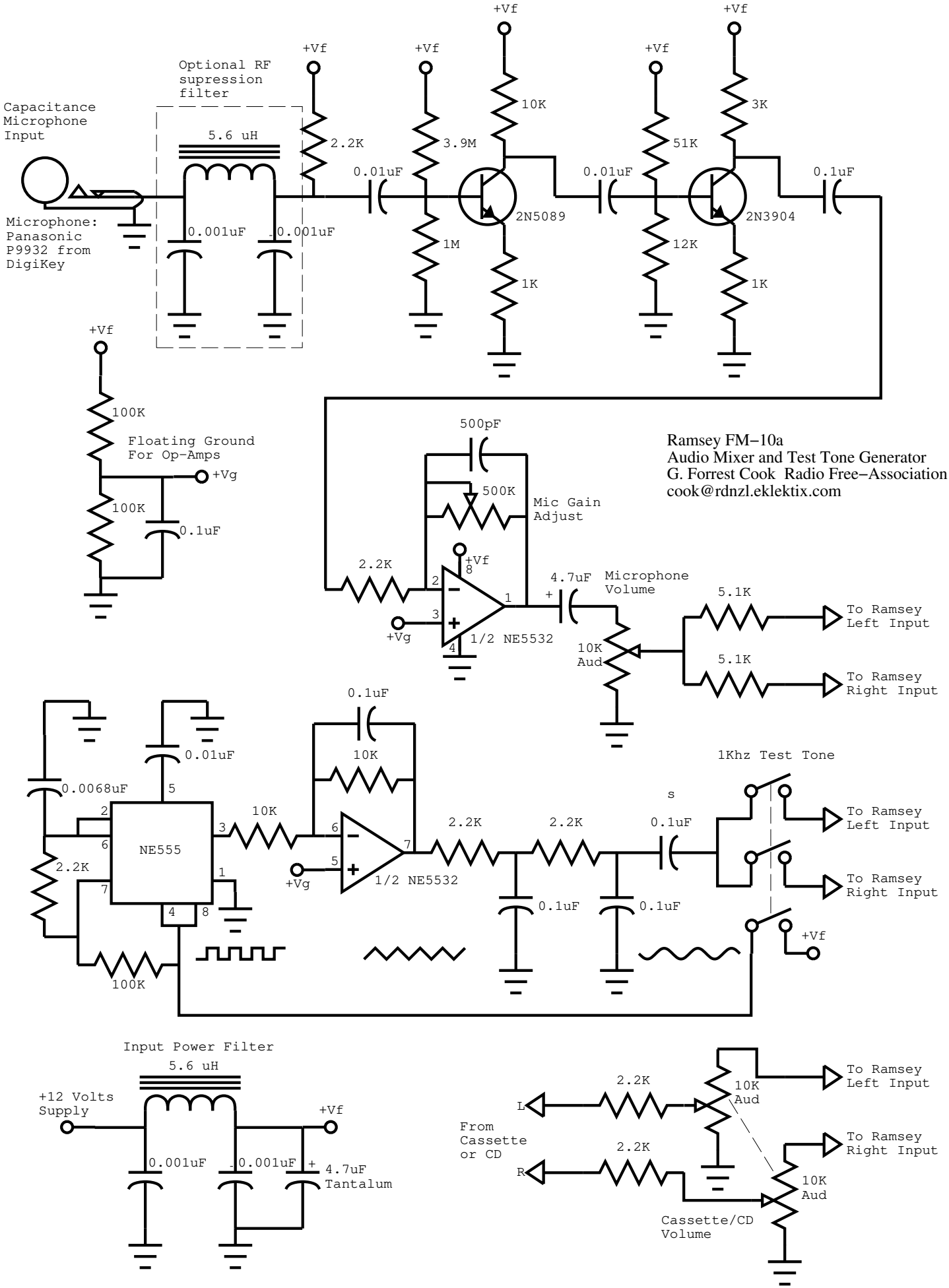
Ramsey FM−10a
Audio Mixer and Test Tone Generator
G. Forrest Cook Radio Free−Association
cook@rdnzl.eklektix.com
Capacitance Microphone Input
Microphone: Panasonic P9932 from DigiKey
Optional RF supression filter
5.6 uH
0.001uF
0.001uF
+Vf
2.2K
0.01uF
3.9M
1M
10K
1K
2N5089
0.01uF
51K
12K
3K
1K
2N3904
0.1uF
100K
Floating Ground For Op-Amps
+Vg
100K
0.1uF
500pF
500K
Mic Gain Adjust
2.2K
4.7uF
Microphone Volume
1/2 NE532
10K Aud
5.1K
To Ramsey Left Input
5.1K
To Ramsey Right Input
0.1uF
10K
0.01uF
0.0068uF
NE555
10K
2.2K
100K
1Khz Test Tone
2.2K
2.2K
0.1uF
0.1uF
0.1uF
To Ramsey Left Input
To Ramsey Right Input
Input Power Filter
5.6 uH
+12 Volts Supply
0.001uF
0.001uF
4.7uF Tantalum
From Cassette or CD
L
R
2.2K
2.2K
10K Aud
10K Aud
Cassette/CD Volume
To Ramsey Left Input
To Ramsey Right Input