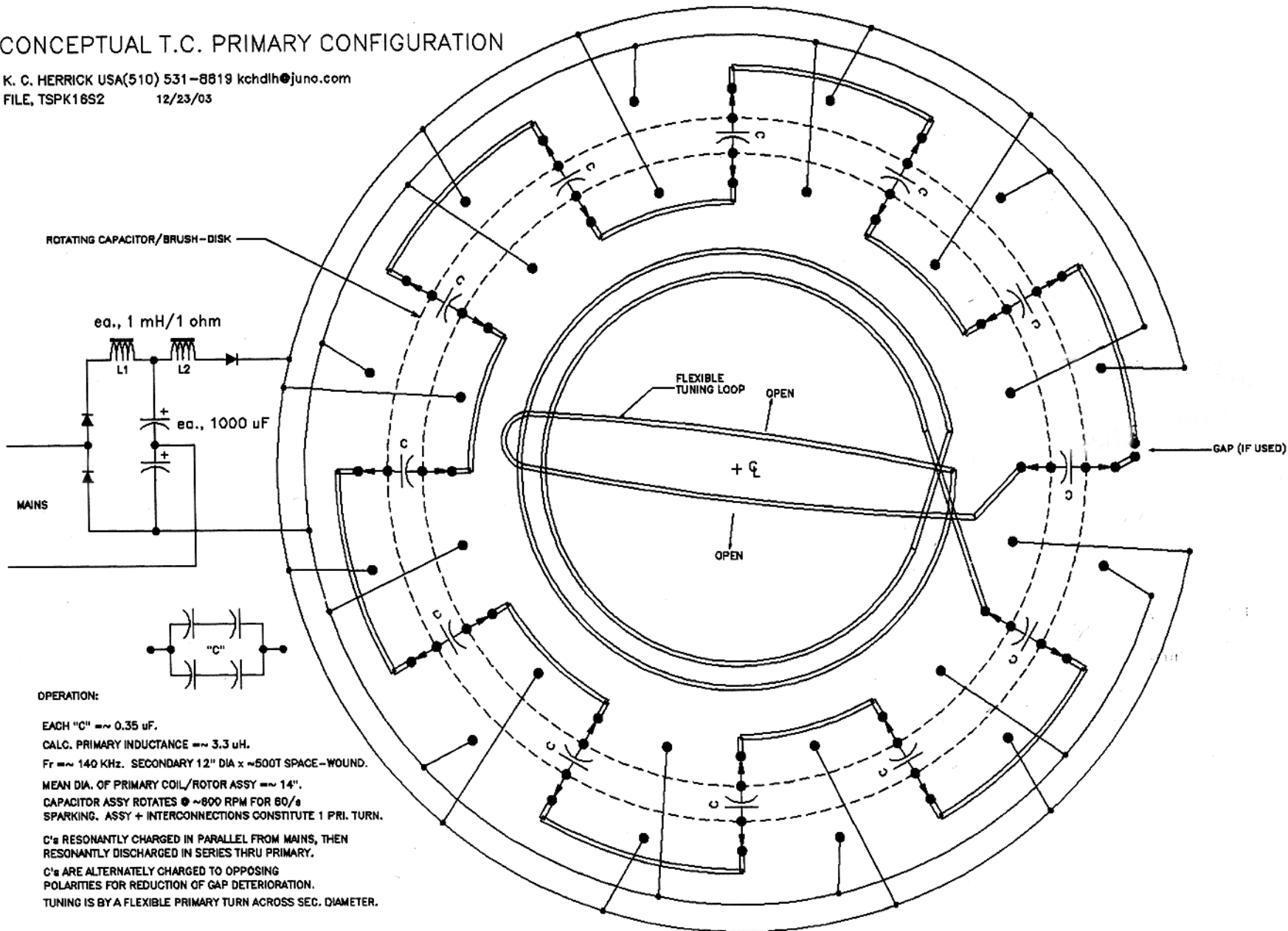


# CONCEPTUAL T.C. PRIMARY CONFIGURATION

K. C. HERRICK USA(510) 531-8819 kchdh@juno.com  
 FILE, TSPK16S2 12/23/03



## OPERATION:

- EACH "C"  $\approx$  0.35  $\mu$ F.
- CALC. PRIMARY INDUCTANCE  $\approx$  3.3  $\mu$ H.
- $F_r \approx$  140 KHz. SECONDARY 12" DIA x  $\approx$  500T SPACE-WOUND.
- MEAN DIA. OF PRIMARY COIL/ROTOR ASSY  $\approx$  14".
- CAPACITOR ASSY ROTATES @  $\sim$  800 RPM FOR 60/s SPARKING. ASSY + INTERCONNECTIONS CONSTITUTE 1 PRI. TURN.
- C's RESONANTLY CHARGED IN PARALLEL FROM MAINS, THEN RESONANTLY DISCHARGED IN SERIES THRU PRIMARY.
- C's ARE ALTERNATELY CHARGED TO OPPOSING POLARITIES FOR REDUCTION OF GAP DETERIORATION.
- TUNING IS BY A FLEXIBLE PRIMARY TURN ACROSS SEC. DIAMETER.