

# BUILD AN AMPLIFIER \*

## AMPLIFIER PARTS LIST

S1	120VAC/10A SPST Toggle Switch
S2,S3	120VAC/3A Submini Toggle Switch
M1	0-1 Milliammeter, DC
RL1	3PDT 12VDC Relay
F1	5 Amp Fuse
PL1,PL2	12 Volt Pilot Lamps
V1	12JB6 Tube
V2,V3	6LQ6 (6MJ6,6JE6C) Tube
Q1	2N2222(2N3904) Transistor
R1,R2,R3,R4	220K/2W Resistor
R5	4.7k $\frac{1}{2}$ W
R6	100ohm $\frac{1}{2}$ W
R7	47ohm $\frac{1}{2}$ W
VR1	10k/1W POT
Z1,Z2,Z3	100ohm/2W Resistor with 4 turns #18 ennamuled wire.
T1	120V Primary, 12.6VAC/4A Secondary.
T2	120V Primary, 365VAC /.4 Secondary.
C1,C12,C14	.01/1KV Disc Capacitor
C2	47pf Disc. Cap.
C3,C5	1000ufd./35VDC Electrolytic Capacitor
C4,C13	100ufd/35VDC Electrolytic Capacitor
C6,C7,C8,C9	100ufd/350WV Electrolytic Capacitor
C10,C11	.005/3KV Disc Cap.
CT1	50pf Trimmer Cap.
CT2	35pf Trimmer Cap.
CT3	365pf Trimmer Cap.
L1	2.5mh choke
L2	22uh, 50turns #26, $\frac{1}{2}$ " diameter
L3	9 turns #12 $\frac{3}{4}$ " diameter $1\frac{1}{4}$ " Long
L4	25 turns #18, $\frac{1}{4}$ " diameter
L5	22uH, 75 turns #26 $\frac{1}{4}$ " diameter
L6	12 turns #12 1" diameter
D1,D2,D3,D4	1kv/1A Silicon Diode
D5,D8,D9	HEP 170 (IN4002)
D6,D7	IN34

SCHEMATIC ON FOLLOWING PAGE.

\* Illegal on 27 MHz. Citizens Band Radio Service.

SCHEMATIC FOR AMPLIFIER:

