



Figure 12.

SCHEMATIC DIAGRAM OF THE POWER SUPPLY FOR THE AN/ART-13.

- C₁—4-µfd. 1500-volt capacitors
 C₂—4-µfd. 600-volt capacitors
 C₃—18-µfd. 600-volt capacitor
 C₄—2.5-µfd. 600-volt tubular
 C₅—2.1-µfd. 400-volt tubular
 C₆—0.05-µfd. 400-volt tubular
 C₇—4000-µfd. 50-volt elect.
 C₈—8-µfd. 450-volt elect.
 C₉—30,000-ohm 100-watt bleeder
 C₁₀—8—22 ohms 2 watts

- R₁—10,000 ohms 10 watts
 R₂—100,000-ohm potentiometer
 R₃—2.7 megohms 1/2 watt
 R₄—15,000 ohms 10 watts
 R₅—50,000 ohms 20 watts
 R₆—15,000 ohms 2 watts
 T₁—1500 v. each side at 300 ma., 400 v. each side at 175 ma., common c.t. (UTC PA-303)
 T₂—5 v. 3 a., 2.5 volts 10 a.
 T₃—35 volts at 5 a. (special)
 T₄—700 v. c.t. 70 ma., 5 v. 2 a.,

- 6.3 v. 2 a. (UTC R-2)
 CH₁—250-ma. swinging choke
 CH₂—250-ma. filter choke
 CH₃, CH₄—200-ma. filter chokes
 CH₅—0.05 henrys at 4 amp. (special)
 CH₆—13-henry 65-ma. filter choke
 CH₇—13-henry 65-ma. filter choke
 RY₁—28-volt d-c 4-pole d.t. relay
 RY₂—115-volt a-c 2-pole relay
 RY₃—6.3-volt or 5-volt 2-pole relay (RY₃ and RY₂ may be

- combined if contacts of RY₃ can carry about 8 amperes and if 3 contacts are available.)
 RY₄—28-volt d-c time-delay relay (115-volt a-c time-delay relay may be used across primary of T₂ if 28-volt relay not avail.)
 RY₅—28-volt d.p.d.t. keying relay
 RY₆—2500-ohm sensitive relay
 Elimstat—A-c line filter