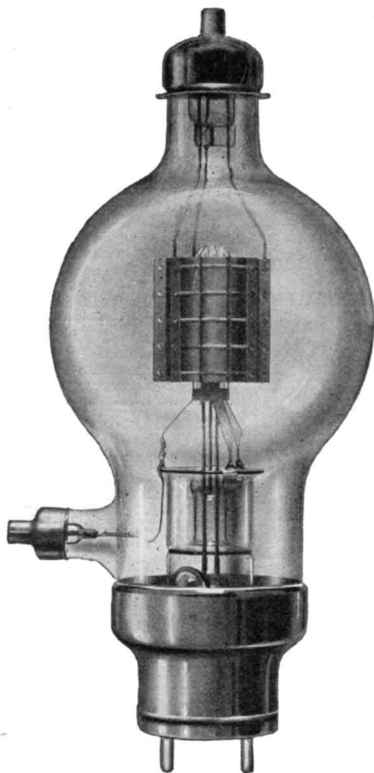


Announcing the EIMAC

500T

A truly low C High Power Tube



Fil. $7\frac{1}{2}$ V at 20 amps. Plate diss. 500 watts. Max. plate current 450 MA. Max. plate voltage 4000 Volts. Cgp 4.5 μ fds. Cgf 6 μ fds. Cpf .8 μ fds. Overall Height $16\frac{1}{2}$ ". Overall diameter 7".

Nominal class C power output at 72% plate efficiency 1350 watts.

FEATURES

High Transconductance — Low interelectrode capacities — High power gain — Conservative ratings — Longlife — Operates efficiently over a wide range of voltages and frequencies.

Net price—\$175

EITEL-McCULLOUGH, INC.

San Bruno, California

A Novel Dual-Tuner Superhet

(Continued from page 35)

justing screw on the top of T_3 very slowly until the beat note of desired pitch is heard. The beat-frequency-oscillator should then be turned off and another station tuned in. When the beat-frequency-oscillator is again switched on, approximately the same beat-note should be obtained. This adjustment is rechecked because it is possible to adjust the beat-frequency-oscillator so that one of its harmonics beats with the incoming signal in the h.f. circuits. In this case a beat-note will be heard on one particular station and will not be heard on any other.

Amateur Contests at Brockton Fair

(Continued from page 43)

Mark MacAdam, W1ZK, who was in charge of the Fair Radio Show.

An *all-around sending contest*, open to all, in which material had to be sent in succession with a bug key, cootie key (sideswiper), and straight key, was won by Mark MacAdam, W1ZK, with Allison Macomber, W1DDB, second, and Mort Kahn, W2KR, third. This was an extremely "tricky" contest, it being no cinch to shift quickly from one type key to another. The prize for this event was a deluxe model engraved MacKey, presented by T. R. McElroy.

Among the other amateur events was an interesting two-way plane-to-ground contact via 56 mc. Cliff Ware and Sam Curtis, W1GVF, flew over the fair grounds and talked with the amateur station set up in the hamfest hall. Both sides of the conversation were put on the loud speaker system and were heard distinctly by the many thousand people in the stands and on the grounds. The system used to put this across was as follows: A receiver and mike were installed in front of the grand stand under the control of W1ZK and were wired to the 200-watt P.A. system operated by W1HMM, and from there to the transmitter located in the radio hall operated by W1HUZ and Dinty Moore. W1GVF's agonized groans gave the crowd quite a kick every time the pilot banked the Waco, which was doing about 140 m.p.h.

Ed Myrbeck, W1AKY, and Bud Waite, Byrd Expedition radio operator, ran the contests and events. W1EAU and W1HUZ held down the registration desk. A special contest for 'phone operators was the delight of all who witnessed it—the main requirement being plenty of wind (hot air, W1AKY called it!) to blow up some elephant-sized balloons! A Collins transmitter was won by Wendell Wright of Rockland, Mass., an old-timer from the spark days. All in all, there was always plenty of ham activity at the fair grounds throughout the week, and although we don't know the mystery at this writing, W1ZK says, "If any of the gang want to get a laugh, they should ask George Bailey, W1KH, to describe the sliding contact he saw demonstrated down at the Brockton Fair."