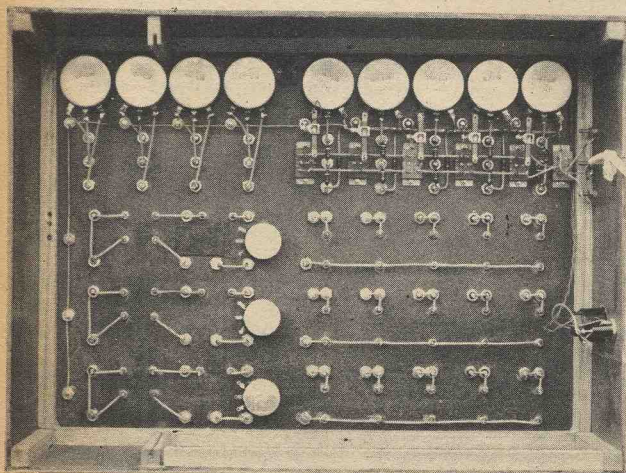


Fig. 2.4. Right-hand portion of front panel viewed from rear, showing components and wiring. Operational Amplifiers 2 and 3 are wired exactly as "Operational Amplifier 1" shown here



Rear view of UNIT "A" front panel

To finish the panel, draw in all lines and symbols with a nib pen and Indian ink. If any mistakes are made, the ink can be removed—when dry—with a typewriter eraser, and surface shine restored with metal polish. Lettering can be applied by the "rub-on" or "stick-on" transfer methods, and should be protected by a thin layer of clear varnish.

When the panel decor has dried, mount all sockets, potentiometers, knobs with dials, switches, and the neon mains lamp. Dials may be lined up on potentiometer spindles later.

UNIT "A" BOX

This time, the box is first constructed of hardboard on a wooden frame, and is later covered with plastic laminate. See Fig. 2.12.

Cut and finish the four hardboard panels to size, and cut the various lengths of softwood. The manner of assembly could be as follows: attach wood lengths *A* and *C* to top and bottom panels with panel pins or countersunk woodscrews, gluing all joints. Attach lengths *B* to side panels, bring panels together and secure. Next, position *D*, *E*, and *F*. Note that there is no length *D* at the back portion of the top panel so the slotted amplifier mount *F* should be lined up vertically with its companion *E*. All drilling must be left until the plastic laminate is in place.