



Transistor Sound Consoles Type BD970

FIELD TRIALS conducted with the Outside Broadcast Transistor Mixer Type BD 956B have shown that transistors used in broadcasting equipment will operate satisfactorily and reliably in all climates. Consequently the Company is now manufacturing studio control consoles also employing transistors. Their use leads to considerable improve-

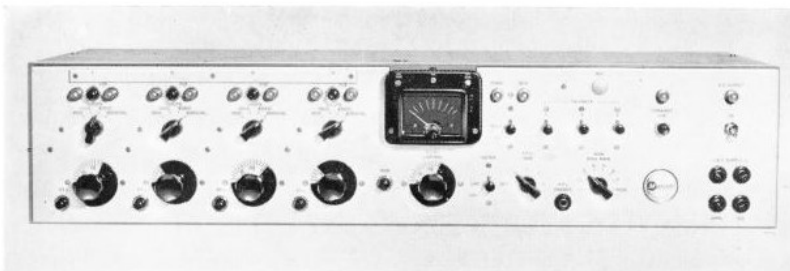
ments in economy of operation and maintenance, and in reduced size and weight. The latter result is achieved not merely because of the small size of the transistors themselves, but because the very small amount of power they consume leads to a very much reduced power unit.

These consoles are built up on a 4-channel

system, employing only two desk-mounting units. These consist of:

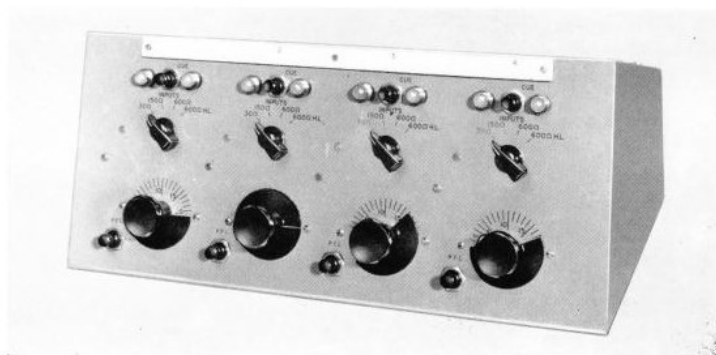
- (a) A basic four-channel master unit and
- (b) A four-channel extension unit.

An extension unit mounted beside the basic unit extends the control facilities to a further 4 channels, *i.e.* 8 channels. With two extension units, a 12-channel console is formed.



The basic 4-channel console.

8997



A 4-channel extension unit.

9005

Features

Input channels switchable. Suitable for low-level 30–600 ohm sources, high-level lines 600-ohms, balanced or unbalanced.

Green-light cueing and red-light warning on all channels.

Loudspeaker muting facilities on all channels.

Visual monitoring by v.u or peak programme meter.

Aural monitoring of output channel by headphones and provision for feeding an external loudspeaker amplifier.

Moulded control faders with 180° movement and self-evident dial.

EQUIPMENT

The basic console combines, in one unit, complete facilities for 4 microphone inputs, including faders, cue press-buttons and answer lights, warning lights, loudspeaker muting and input switching for high- or low-level programme sources. The unit also includes a main programme amplifier with total control, a v.u or peak-programme meter and also the power supply which provides a smoothed 12 V d.c for transistors and 12 V a.c for signalling.

The extension unit contains the input circuits, switches, faders, cue lights etc. for additional four channels, but draws its supplies from the master console.

FACILITIES OF TYPICAL CONTROL CONSOLES

| Description | Channels | Outputs | Units | | | Power Supply Unit | Width (approx.) |
|--------------------------|----------|---------|---------------|------------------|--------------|-------------------|-----------------|
| | | | Pre-amplifier | Main Prog. Ampl. | P.F.L. Ampl. | | |
| Basic console | 4 | 2 | 4 | 1 | 1 | 1 | 2 ft 8 in. |
| Studio control console | 8 | 2 | 8 | 1 | 1 | 1 | 3 ft 11½ in. |
| Dramatic control console | 12 | 2 | 12 | 1 | 1 | 1 | 5 ft 3¼ in. |

Performance: The overall target performance of these novel consoles is similar in all respects to equivalent earlier valve-type amplifiers and control equipment.

Marconi

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