



Custom-built Television Equipment

TELEVISION has developed so rapidly that it is inevitable that there are many different approaches to the problems of production and operation. While the main units of equipment have become relatively standardized, there remain many parts of the system which are unique to a particular installation, and Marconi's, in realizing this, have made provision for considerable flexibility in their designs.

However, practically every installation requires at least a special control panel, and every effort is made to see that the customer's requirements are fully met. A wide range of custom-built equipment is produced every year for both sound and vision broadcasting and the craftsmanship and experience are a tradition of the Company.

The studio console gives wide scope for the mounting of standard and special

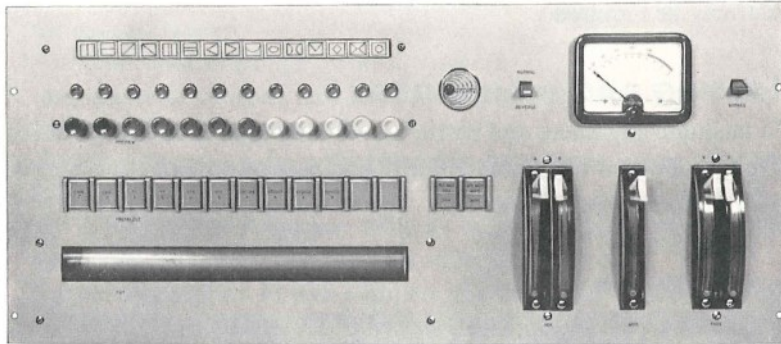
panels, but where this is not suitable, special wooden or metal control desks can be designed. These can be manufactured locally with the control panels mounted in sub-frames, or supplied complete in any desired finish. Hardwood carcasses with Melamine-surfaced tops are very popular; they give hard-wearing service and are attractive in appearance.

Outside-broadcast units are also frequently built for particular customers' requirements. For dependable operation the weight distribution, power/weight ratio, cooling and operational convenience must all be carefully examined and there is considerably more design experience in the production of a mobile unit than appears from the outside.

All new equipment (Mk. IV) designs, therefore, have provision for plug-in shorting links, or plug-in relay units which can be switched centrally. By this means all the equipment in a particular studio can be switched from one standard to another from a single control point. Switching information is normally routed to camera channels *via* the Communication Unit Type B 3651, described on page 89, and passed from the picture and waveform monitors to other monitors. Where a communication unit is not used, a converter unit is required for camera channels. The switching unit incorporates spare contacts for the operation of indicator lamps.

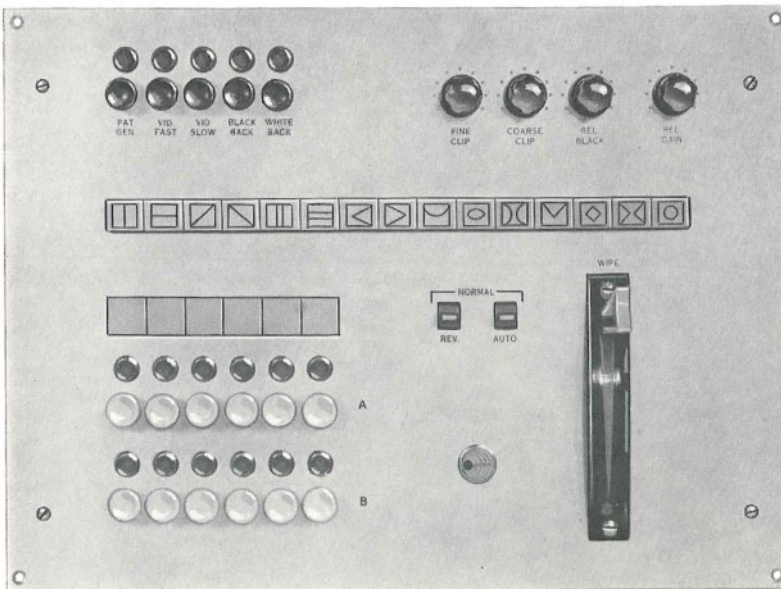
Marconi's are always pleased to investigate any special requirements and make proposals which involve if necessary the design and manufacture of custom-built equipment. If customers prefer to do their own layouts, the Company will gladly manufacture equipment to fit their designs. On these pages are shown some recent examples of custom-built television equipment.

A presentation mixer with an illuminated bar-type 'cut' switch, custom-built for United Telecasters, Sydney, Australia.

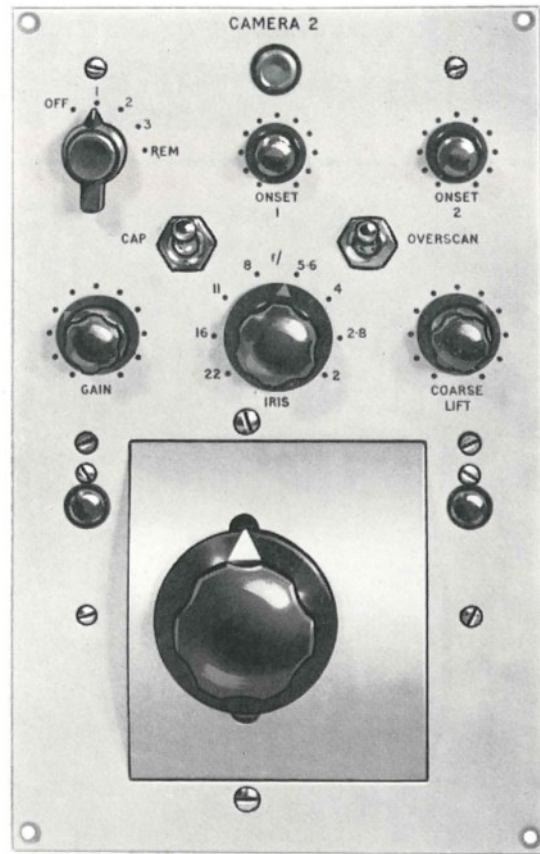


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Special-effects control panel installed in an outside broadcasting unit for Yugoslavia.

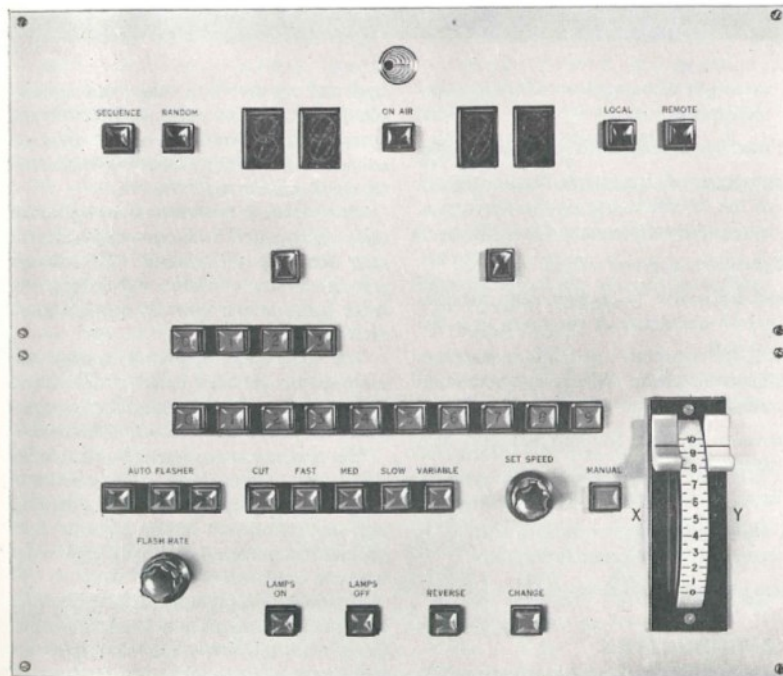


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9714

A special panel for controlling a Mark IV Image Orthicon Camera from a remote position.



9715

A control panel for a computer-drive slide projector.

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