



FIG. 1. This is the WCAU TV Master Control Room as seen through the window from the main lobby. The film and announce camera monitoring positions are at the long console on the far side of the room. The master control switching console, especially built by RCA to WCAU's specifications is at the extreme right. Part of the projection room can be seen through the window at the left. The window further right looks into the announce booth, and through a second window into the part of the projection room where the announce cameras are located.

WCAU's TELEVISION MASTER CONTROL ROOM

The TV Master Control Room includes a custom-built relay switching system built by RCA to WCAU's specifications. Twelve video and seven audio input circuits provide for studios, film chains, network and remotes. Three output circuits feed the main transmitter, network and an audition or preview channel from any of the inputs. Monitor switching controls the connecting of video monitors among the three outgoing channels. There are provisions for pre-setting as many as three inputs in advance. The audition channel can be used as a preview circuit for the transmitter and network outputs. A memory circuit is incorporated to operate flashing lights contained within the pushbuttons. This notifies the operator that a new "pre-set" has not yet been made on a specific row of buttons. The operator then clears the "flash" warning by pre-setting any desired input. Relay switching with essentially the same system used for video is also used for audio circuits. Both video and audio relays can be tied together for simultaneous switching, if desired, or they can be separated for individual control. Of the twelve video inputs, six would correspond to identical audio inputs such as network, remote, Studio #1, etc. Six video inputs from the projection room may have their corresponding audio mixed at an audio console in master control. A dissolve super-imposition circuit, with a mixing amplifier is available, using any two of the input circuits. It is used to good advantage for film inserts with live program, live inserts with film program, multiple points of origination and for commercial spots, on a fade or super-imposition basis. Audio and video "lever" type faders in this circuit are independent of each other but are physically arranged so that both levers may be grasped in one hand and operated as a unit. A second switching console, with duplicate facilities, which may be required for future expansion, is planned. Space is allowed for it and rack space is provided for the relays and associated equipment.

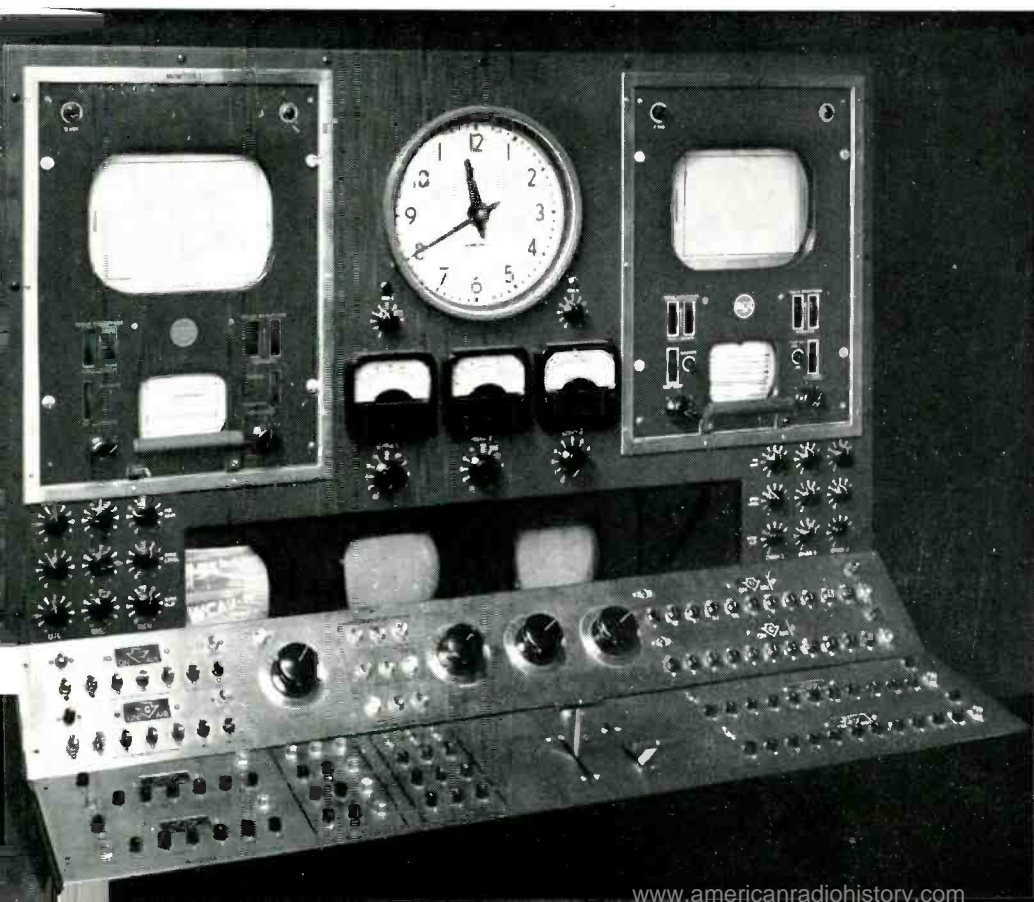


FIG. 2. Closeup of the master switching console which was custom built by RCA to WCAU's specifications. Seven audio and twelve video input circuits are brought to this console. By means of pushbuttons which control switching relays, the operator can connect any of these to any of three outgoing circuits.