Here's a little early history from the DuMont flagship station in New York City W2XWV before it was granted its commercial license in 1944 as WABD (channel 4, later 5). Their broadcast facility and antenna were located at 515 Madison Avenue (the antenna structure is still there) and they built much of their broadcast equipment, which included cameras, master controls, scopes, monitors, and mobile production trucks across the river in Clifton, NJ.

Courtesy of Chris Stanley
Television transmitter W2XWV and its studio facilities, ready to go on the air. (1) Eiffel tower and antenna of 101 Tele- bum. Smoke clears the studio and laboratory from a height of 600 feet above the studio walls. (2) A tall tower supports the sturgeon mast 600 feet above the 41-story DuMont building. (3) A history of latest model electronic television and radio equipment and control panels. (4) Complete coverage of picture shows and other television programs. (5) Complete coverage of picture shows and other television programs. (6) Complete coverage of picture shows and other television programs. (7) Complete coverage of picture shows and other television programs. (8) The electronic wave guide enables DuMont engineers to check up their images in studio television tests. (9) The complete wave guide enables DuMont engineers to check up their images in studio television tests.
Television station staff men regulating "picture" quality en route from camera to transmitter. The monitors on the top show the scenes picked up by the camera; permit easy switching from one to the other.

This electronic viewfinder is an exclusive DuMont development. Shows exactly what will appear on home receiver sets.

For motion picture telematic, DuMont has a special film project and pickup camera; also shown here is DuMont's compact transmitter assembly.