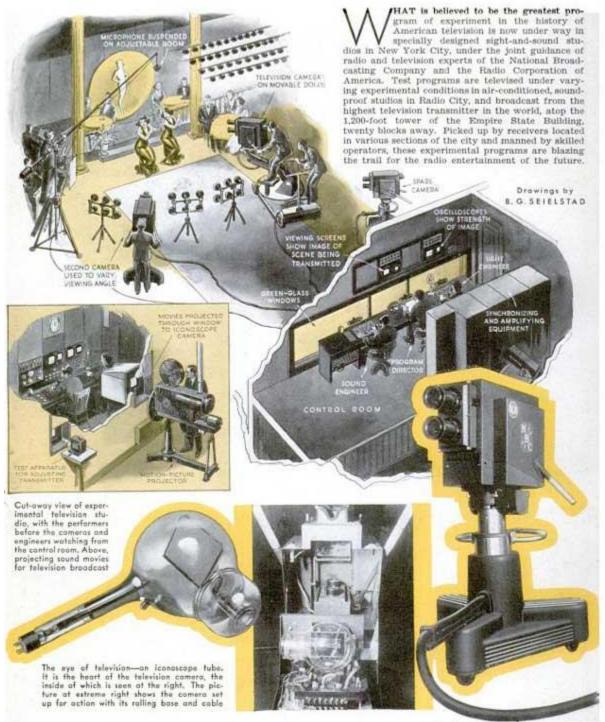
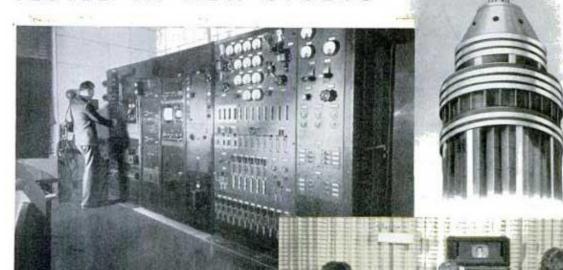
## TELEVISION

## ...MODERN TRANSMITTING METHODS



## Gets a Trial

TESTED IN NEW STUDIO



Control panel in the RCA television transmitting station in the Empire State Building, New York City, to which programs are wired from the studios in near-by Radio City. At the for right is the antenna atop the world's tallest skyscruper

In the main studio, performers wearing special television make-up are bathed in brilliant light from great batteries of spotlights and floodlights. Their images are "scanned" by the television camera, and changed into a complicated series of electric impulses. Sometimes, several cameras are used to vary the view and make both close-ups and long shots possible.

shots possible.

Through a large glass window, covered with a green cel-

bulose material to dim the glare of the studio lights, engineers in the control room can watch the performance while they manipulate a maze of operating controls. From the control room, the picture and sound signals, in electric-impulse form, are transferred through a special transmission cable to the transmitter in the Empire State Building and sent out on the air.

In another Radio City studio, standard 16 or 35-mm. motion-picture film is projected from a fireproof room through glass ports into a television camera in an adjoining control room. By means of this system, regular motion-picture features can be put on the air.

Through this experimental work, engineers hope to apply the finishing touches to the mechanics of television, take sight transmission out of the experimental stage, and establish it in its destined place beside radio in the American home.



APRIL, 1938