

New Television System Transmits Images in Full Color



NATURAL-COLOR television, long in the experimental stage, may soon be on the air. A new process devised by Dr. Peter C. Goldmark of New York, and recently demonstrated by the Columbia Broadcasting System, transmits color movies successfully. The next step will be to adapt it to broadcasts of living subjects. At the transmitter, the image is scanned alternately on odd and even-numbered "lines." Rotating color filters give the sequence of red, green; blue, red; green, blue. Thus two full-color cycles serve for three pictures. This allows time for high-definition scanning of 343 lines or more. Viewed through synchronized filters at the receiver, the pictures all appear in natural color, since the eye retains one color image just long enough to blend it with the next two. When no color filters are used with the receiver, the image is black and white.

Television transmitter scanning colored movies. Below is the receiving end of the novel system

