

NEW C.B.S. COLOR UNIT HAS LARGER TV VIEW

A new mechanical device for producing seventeen-inch color television pictures, larger than have been shown previously, was demonstrated here yesterday by the Columbia Broadcasting System.

The device is a color filter drum made of plastic, which whirls in the manner of a ferris wheel around the entire picture tube at a speed of 960 revolutions per minute. The drum has a total of nine filters—three each of red, blue and green—which pass downward in front of the face of the picture tube, thus bringing color to the images.

In contrast with the C. B. S. color disk, which limits pictures to a size of twelve and one-half inches, the drum is practical for color pictures measuring up to twenty inches, the network said. The surface width of the drum is approximately the same size as the face of the picture tube, whereas a color disk must be twice as large as the tube.

A custom built receiver made by C. B. S. engineers was used in yesterday's demonstration, with the drum inside the set being hidden from the viewer. The network said it would not be practical to use the drum in converting existing black-and-white sets for color, for the device must be built in at the factory.