

R.C.A. HURDLES A BAR; CABLE CARRIES COLOR

WASHINGTON, April 6 (AP)—The Radio Corporation of America announced today that it had successfully sent its color television signals through the coaxial cables that form the bulk of present inter-city net works.

The announcement was made to the Federal Communications Commission at a demonstration of R. C. A.'s new single color tube, recently unveiled as a major development in simplifying and reducing the cost of color receivers.

Color transmission over existing cables removes a deficiency in R.C.A.'s system. Until now, sending the color signals over the cables resulted in "squeezing out" the color so that they came out in black and white.

The Columbia Broadcasting System and Color Television, Inc. color systems, with which R.C.A. is competing in the current race for commercial operating authority, have been demonstrated repeatedly in cable transmission without appreciable loss of quality.

Dr. E. W. Engstrom of R.C.A.'s research staff advised the F.C.C. that his company had accomplished the operation for the first time two days ago in tests between Washington and New York City.

He said this was made possible by apparatus that compressed the color signal sufficiently to put it through the coaxials with only slight loss in detail.

R.C.A. simulated the cable operation by artificially squeezing its color test broadcasts over WNBW here to the width of present network facilities and showing the results to the F.C.C. Observers saw only slight differences in the pictures in which the color was preserved.