

NEW COLOR VIDEO REPORTED BY G. E.

System, Now Under Test, Uses Same Width Band as for Black-and-White

A new system of color television, said to have important technical and economic advantages over previously proposed systems, has been announced in Syracuse by the General Electric Company.

Dr. W. R. G. Baker, General Electric vice president and general manager of the electronics department, said yesterday that the new system, which has been submitted to the Federal Communications Commission, provided a method of transmitting color picture information within a frequency band no wider than that used in present-day black-and-white transmission. It can be used with either the three-tube or the single picture tube systems advocated by other companies at recent F. C. C. hearings, he added.

Known as "frequency interlace," the new system cannot be demonstrated for at least ninety days, Mr. Baker said. Under ordinary conditions, he asserted, announcement would not be made until field tests were completed, but since the F. C. C. is studying other systems it was necessary to reveal now that the system was being tested and that these tests to date indicated technical soundness of the system.

Among the advantages of the system over others is that it would permit relatively low-cost video receivers, "reliable in operation, easy to adjust and maintain" and simple in construction, according to Dr. Baker.

He added that the system was inherently compatible with present black-and-white standards and would permit color broadcasts to be received in black and white on present-day receivers, or black-and-white broadcasts to be received on color receivers incorporating the new system.

The new system was evolved by Robert B. Dome, consultant in the receiver division at Electronics Park. Mr. Dome has been a General Electric engineer since 1926.