4:20-4:40 p.m.
"Integration of Video Tape With Live and Film Programs," by W. W. Malang, video facilities engineer, ABC and M. C. Worster, eastern division manager, television engineering operations, ABC.

This paper is to be presented in two parts. The first part will deal with the operational problems involved in integrating video tape into live programming. The "pros and cons" of the various systems in use today will be discussed. The second part will explore the technical characteristics and limitations of the systems used to date to integrate video tape with live programming.

4:40-4:50 p.m.
"New IRE Roll-Off as Related to the Broadcaster," by G. Edward Hamilton, director of engineering operations, ABC.

There have been two IRE standards established for the measurement of video levels (1950 and 1958). The advent of color television brought into focus the need for a measuring tool which would evaluate the luminance component of the signal. The 1958 standard was made to insure adequate suppression of the chrominance components thus permitting its use for either color or black and white signals. Application of the new standard has indicated the desirability of its use with a reduction in tolerance such as to provide more uniform measurement of video levels.

4:50-5:20 p.m.
"Improvements in Television Cameras," by John H. Roe, manager, TV camera engineering, RCA.

The utilization of advanced circuit techniques and components has made possible significant improvements in the performance of television cameras. Important among the improvements are better stability and reliability which permit simplified operating techniques and less effort on maintenance. In addition, pictures of noticeably better quality are obtained. Development of improved camera tubes is an important aspect of the situation. New equipment embodying these developments will be described.

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