## SYMPOSIUM ON RCA TRI-COLOR TELEVISION PICTURE TUBE

JUNE, 1951

Radio Corporation of America

## Foreword

The material contained in this volume was compiled in order that you may have in written form for further study and use a summary of the technical and manufacturing information presented today on the RCA tri-color television picture tube.

Our purpose in furnishing this information and in setting up the color tube sampling program is to enable you to experiment with color television picture tubes and associated circuitry.

If questions arise concerning the material presented here, please refer them to the RCA Laboratories Division, Industry Service Laboratory, attention Mr. S. W. Seeley, 711 Fifth Avenue, New York City.

This material is the property of the Radio Corporation of America and is loaned for confidential use with the understanding that it will not be published in any manner, in whole or in part. The statements and data included herein are based upon information and measurements which we believe accurate and reliable. No responsibility is assumed for the application or interpretation of such statements or data or for any infringement of patent or other rights of third parties which may result from the use of circuits, systems and processes described or referred to herein or in any previous reports or bulletins or in any written or oral discussions supplementary thereto.

## Contents

- I. Basic Considerations in Tri-Color Picture Tubes, D. W. Epstein.
- 2. The RCA Developmental Three-Gun Tri-Color Kinescope, H. R. Seelen.
- 3. Deflection Components for RCA Developmental Three-Gun Tri-Color Kinescope, W. P. Maginnis.
- 4. Preliminary and Tentative Data on Three-Gun Tri-Color Kinescope, Developmental No. C-73293-C.
- 5. Application of RCA Developmental Three-Gun Tri-Color Kinescope and Associated Components.
- 6. Preliminary and Tentative Data on Developmental Components for Use with Three-Gun Tri-Color Kinescope.
- 7. RCA Tube Department Letter Offering Developmental Samples of Tri-Color Kinescope and Associated Components.
- 8. Discussion of Receiver Circuits for the RCA Three-Gun Tri-Color Picture Tube, S. W. Seeley.