

# SYMPOSIUM ON COLOR

Washington Spring Meeting  
AMERICAN SOCIETY FOR TESTING MATERIALS  
March 5, 1941



# SYMPOSIUM ON COLOR— ITS SPECIFICATION AND USE IN EVALUATING THE APPEARANCE OF MATERIALS

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Jointly Sponsored by the  
AMERICAN SOCIETY FOR TESTING MATERIALS  
and the  
INTER-SOCIETY COLOR COUNCIL

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AMERICAN SOCIETY FOR TESTING MATERIALS  
March 5, 1941



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## FOREWORD

The papers and discussions appearing in this volume were presented at Washington, D. C., March 5, 1941, as a Symposium on Color—Its Specification and Use in Evaluating the Appearance of Materials. This symposium, held in conjunction with the Spring Meeting of the American Society for Testing Materials, was jointly sponsored by that Society and the Inter-Society Color Council. The Inter-Society Color Council is an organization of national societies having an interest in color. The aim of the council is to coordinate and stimulate the work on color which is being done in the member bodies. The papers in this symposium cover practically all phases of color, and stress those aspects of primary interest to the specifier of appearance attributes of color.

The joint committee in charge of the development of the technical program consisted of the following:

- M. Rea Paul (*Chairman*), National Lead Co.
- A. G. Ashcroft, Product Engineer, Alexander Smith and Sons Carpet Co.
- W. E. Emley, Chief, Division of Fibrous and Organic Materials, National Bureau of Standards.
- C. E. Foss, Interchemical Corp.
- W. R. Fuller, Technical Director, Grand Rapids Varnish Corp.
- H. A. Gardner, Director, Scientific Section, National Paint, Varnish and Lacquer Assn.
- D. B. Judd, Physicist, National Bureau of Standards.
- R. S. Hunter, Assistant Physicist, National Bureau of Standards.
- Paul Rapp, Associate Chemist, Public Roads Administration, Federal Works Agency.
- W. M. Scott, Chief, Cotton Chemical Finishing Division, U. S. Bureau of Agricultural Chemistry and Engineering.

The presiding officer at the symposium session and the officers representing the two sponsor bodies, were as follows:

- M. Rea Paul (Symposium Chairman), National Lead Co.
- W. M. Barr (President, A.S.T.M.), Chief Chemical and Metallurgical Engineer, Union Pacific Railroad Co.
- D. B. Judd (Chairman, I.S.C.C.), Physicist, National Bureau of Standards.
- G. E. F. Lundell (Vice-President, A.S.T.M.; Chairman Washington Committee on Arrangements), Chief, Chemistry Division, National Bureau of Standards.

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NOTE.—The Society is not responsible, as a body, for the  
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## CONTENTS

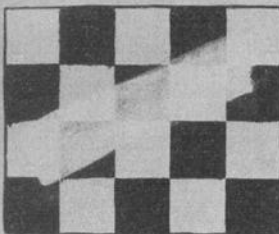
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	PAGE
Introduction to Color—Deane B. Judd . . . . .	1
Discussion . . . . .	14
Color Specifications of Transparent Materials—Francis Scofield . . . . .	18
Discussion . . . . .	21
Hiding Power and Opacity—Roscoe H. Sawyer . . . . .	23
Discussion . . . . .	33
Color Standards for Opaque Materials—I. H. Godlove . . . . .	37
Discussion . . . . .	45
Spectrophotometry and Color Evaluation—A. E. Parker . . . . .	47
Discussion . . . . .	60
Photoelectric Tristimulus Colorimetry—Richard S. Hunter . . . . .	61
Discussion . . . . .	78

# TYPES OF MATERIALS MEASURED FOR COLOR

## TRANSPARENT

( a tube of varnish )

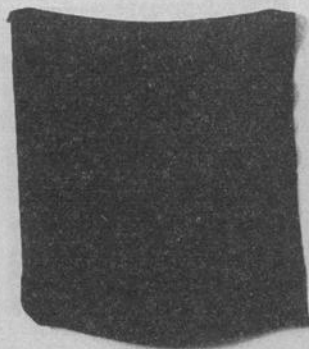


## TRANSLUCENT

( a film of paint  
giving incomplete  
hiding )

## OPAQUE

( a colored fabric )



Classification of Materials Followed in the Symposium.



