

# SYMPOSIUM ON TECHNIQUES FOR ELECTRON METALLOGRAPHY

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Presented at the  
FIFTY-SIXTH ANNUAL MEETING  
AMERICAN SOCIETY FOR TESTING MATERIALS  
Atlantic City, N. J., June 30, 1953



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*ASTM Special Technical Publication No. 155*

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## FOREWORD

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The papers and discussions in this Symposium on Techniques for Electron Metallography were presented at the Thirteenth and Seventeenth Sessions of the Fifty-sixth Annual Meeting of the American Society for Testing Materials, held in Atlantic City, N. J., June 30, 1953. This Symposium was sponsored by Committee E-4 on Metallography.

Mr. C. M. Schwartz, Battelle Memorial Institute, Columbus, Ohio, Chairman of the Symposium Committee, and Mr. L. L. Wyman, Head, Chemical Metallurgy Section, National Bureau of Standards, Washington, D. C., acted as Co-Chairmen of the Thirteenth Session; while the Seventeenth Session was presided over by Mr. G. E. Pellissier, United States Steel Corp., and Mr. L. L. Wyman.

One paper entitled "Determination of Surface for Eutectoid Steel and Iron as Prepared by the Conventional Metallographic Techniques of Abradings, Mechanical Polishing, and Chemical Etching," by C. F. Tufts, was originally presented at the symposium but does not appear in this publication; however it is expected to be published at a later date.

The appendix to the report of Committee E-4 appears in the 1953 *Proceedings* but is published as part of this publication since it is pertinent to and rounds out the Symposium.

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NOTE.—The Society is not responsible, as a body, for the statements and opinions advanced in this publication.

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THIS PUBLICATION is one of many issued by the American Society for Testing Materials in connection with its work of promoting knowledge of the properties of materials and developing standard specifications and tests for materials. Over the years the Society has published many technical symposiums, reports, and special books. These may consist of a series of technical papers, reports by the A.S.T.M. technical committees, or compilations of data developed in special Society groups with many organizations co-operating. A list of A.S.T.M. publications and information on the work of the Society will be furnished on request.