

Sixty-second Annual Meeting Papers

Symposium on
MICROSCOPY



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SYMPOSIUM ON MICROSCOPY

Presented at the
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AMERICAN SOCIETY FOR TESTING MATERIALS
Atlantic City, N.J., June 25-26, 1959



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FOREWORD

Stimulated by the advent of new instruments and techniques, ASTM Committee E-1 on Methods of Testing sponsored this symposium with the intention to cover most of the recent developments in light and electron microscopy and the effective application of this science to laboratory research and industrial production. Another purpose of the symposium is to disseminate knowledge of progress and to emphasize the need for continuous refinements and improvements in microscopical techniques.

The present Symposium supplements the previous Symposium on Light Microscopy (*ASTM STP 143*) sponsored by Committee E-1 in 1952.

The papers of this symposium and their discussions were presented during the Twenty-ninth, Thirty-second, and Thirty-fourth Sessions of the Sixty-second Annual Meeting of the Society, held in Atlantic City, N. J., June 21-26, 1959. "Interpretation of Light- and Electron-Microscopical Observations," the presentation made by Mr. C. F. Tufts, Sylvania Electric Products, Inc., Bayside, L. I., N. Y., during the second session of this symposium, is not available for publication.

Mr. F. F. Morehead, American Viscose Corp., Marcus Hook, Pa., chairman of the symposium committee, presided over the first session. Messrs. M. C. Miller, Johns Manville Research Center, Manville, N. J., and L. L. Wyman, National Bureau of Standards, Washington, D. C., presided over the second and third session, respectively.

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. Much of the data result from the voluntary contributions of many of the country's leading technical authorities from industry, scientific agencies, and government.

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 ASTM technical committees, or compilations of data developed in special Society groups with many organizations cooperating. A list of ASTM publications and information on the work of the Society will be furnished on request.

