

Sixty-third Annual Meeting Papers

Symposium on

SHEAR AND TORSION TESTING



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Presented at the
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FOREWORD

This Symposium on Shear and Torsion Testing was developed to describe and evaluate new or existing shear and torsion test methods as used on various materials including metals, welds, wood products, polymers, and refractory materials.

The symposium, sponsored by Subcommittee 25 on Shear and Torsion Tests of ASTM Committee E-1 on Methods of Testing, was held on Tuesday, June 28, 1960, during the Eighth and Twelfth Sessions of the Annual Meeting of the Society.

Mr. Raymond W. Fenn, The Dow Chemical Co., served as symposium chairman and presided over the morning session; Mr. R. B. Clapper, Lockheed Aircraft Corp., presided over the afternoon session.

Two papers not presented at the symposium have been included in this volume because they provide additional applications of the shear and torsion test: "Photoelastic Evaluation of the Panel Shear Test for Plywood," by Eugene L. Bryan, and "A Dynamic Test for Determining Shear Modulus of Sandwich Core Materials," by M. E. Raville, W. B. Bickford, and D. A. Huber. The paper "The Study of High Polymers by Means of the Torsion Pendulum" by N. G. McCrum which was presented at the symposium has not been included in this volume.

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.

