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*Symposium on*

FIRE TEST METHODS



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AMERICAN SOCIETY FOR TESTING AND MATERIALS  
1916 Race St., Philadelphia 3, Pa.

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*ASTM Special Technical Publication No. 301*

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# SYMPOSIUM ON FIRE TEST METHODS

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Presented at  
1961 COMMITTEE WEEK  
AMERICAN SOCIETY FOR TESTING MATERIALS  
Cincinnati, Ohio, February 1, 1961



Reg. U.S. Pat. Off.

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## FOREWORD

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Fire tests of materials used in building construction are of very serious concern to those responsible for establishing criteria for qualifying these materials for use in buildings, for the protection and safety of human life is involved. Therefore, fire test methods are scrutinized very carefully as to whether they simulate properly the actual behavior of materials when exposed to fire conditions.

This symposium includes four papers presented in a session under the sponsorship of ASTM Committee E-5 on Fire Tests of Building Materials and Construction during ASTM Committee Week in Cincinnati, Ohio, on February 1, 1961. The first of this type to be sponsored by Committee E-5, it was planned by Subcommittee X on Research to provide a mechanism through which technical aspects relating to fire test procedures could be presented and discussed with a minimum of emphasis on the particular merits of individual proprietary products.

The extent to which the presentation of these papers has encouraged interest in and broadened understanding of some of the technical problems involved in connection with fire tests will provide a measure of the success of this venture. The Society, and Committee E-5 in particular, encourage the submittal of any comments and suggestions on the usefulness of this type of information.

The chairman of Subcommittee X on Research, A. F. Robertson, National Bureau of Standards, served as chairman of the technical session.

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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 and 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.