Symposium on

STANDARDS FOR FILAMENT-WOUND REINFORCED PLASTICS

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SYMPOSIUM ON STANDARDS FOR FILAMENT-WOUND REINFORCED PLASTICS

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FOREWORD

This Symposium on Standards for Filament-Wound Reinforced Plastics was sponsored jointly by the Society and the U. S. Navy, Bureau of Weapons, Naval Ordnance Laboratory. ASTM participation was provided by Committee D-20 on Plastics, Subcommittee XVIII on Reinforced Plastics. H. A. Perry, Naval Ordnance Laboratory and chairman of the Subcommittee, was chairman of the Symposium Committee. Working with Mr. Perry as members of the Symposium Committee were J. W. Davis, Minnesota Mining and Manufacturing Co.; J. C. Hood, Owens-Corning Fiberglas Co.; R. M. Levy, Esso Research and Engineering Co.; J. A. McDarment, Molded Fiber Glass Co.; R. W. Meyer, The Glastic Corp.; F. W. Reinhart, Consultant; G. R. Rugger, Picatinny Arsenal; E. L. Smith, Johns Manville Fiber Glass, Inc.; J. Teti, E. I. duPont de Nemours & Co.; and R. R. Winans, New York Naval Shipyard.

The meeting arrangements were handled by S. Prosen, Naval Ordnance Laboratory. Members of the Symposium Committee presided at the sessions.

A paper by J. A. Kies and H. O. Ewing, Naval Research Laboratory, "A Notched Ring Test for Measuring the Resistance to Splitting in Fiber Reinforced Plastics" presented by title is not included in this publication. A paper by S. Yurenka, "Test Methods for Filament-Wound Specimens," presented on October 5, 1962, at a Symposium on Plastics held at the Fourth Pacific Area National Meeting of the Society in Los Angeles, Calif., is included in this publication because of its relevance to the subject of the symposium.

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

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Nondestructive Testing

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.