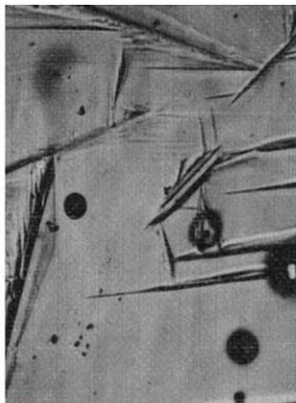
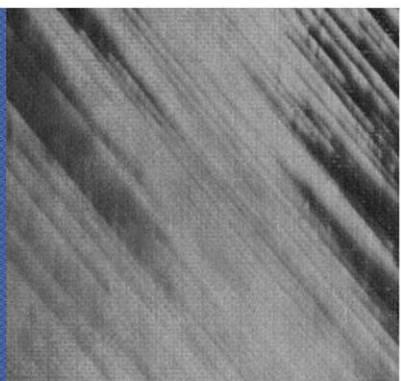
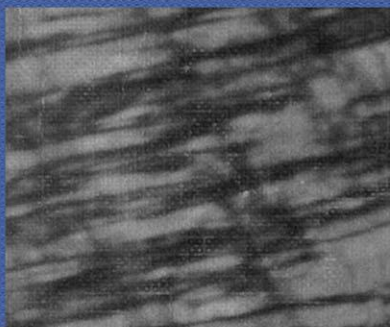


# BEHAVIOR OF MATERIALS AT CRYOGENIC TEMPERATURES



AMERICAN SOCIETY FOR TESTING AND MATERIALS

# BEHAVIOR OF MATERIALS AT CRYOGENIC TEMPERATURES

A symposium  
presented at the  
Sixty-eighth Annual Meeting  
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## Foreword

The Symposium on the Behavior of Materials at Cryogenic Temperatures was conducted in two sessions at the ASTM Annual Meeting in Lafayette, Ind., on June 14, 1965. The first session included papers primarily associated with the mechanical behavior of materials. The second session emphasized physical behavior. One of the papers presented at the meeting, "Effect of Metallurgical Variables on the Superconducting Properties of Metals and Alloys," by H. W. Schadler and J. W. Livingston, has been published elsewhere and is included in this volume by abstract only. This symposium was sponsored by the Division of Material Sciences. Fred R. Schwartzberg, Martin Co., Denver, Colo., served as symposium chairman and presided over the afternoon session; James E. Campbell, Battelle Memorial Inst., presided over the evening session.

## **Related ASTM Publications**

**Low-Temperature Properties of High-Strength Aircraft and Missile Materials, STP 287 (1960), \$7.00**

**Physical Properties of Metals and Alloys from Cryogenic to Elevated Temperatures, DS 22 (1961), \$4.75**

**Evaluation of Metallic Materials in Design for Low-Temperature Service, STP 302 (1961), \$7.50**

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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.

