

# 1957 Philadelphia Meeting

*Symposium on*

## Thermal Conductivity Measurements and Applications of Thermal Insulations



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Thermal Conductivity Measurements  
and Applications of Thermal Insulations

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Presented at the  
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Philadelphia, Pa., February 6, 1957  
AMERICAN SOCIETY FOR TESTING MATERIALS



Reg. U. S. Pat. Off.

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## FOREWORD

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The guarded hot plate apparatus for determining the thermal conductivity of insulating, building and other materials, is the subject of review in four of the seven papers presented as a symposium at the 1957 Committee Week of the American Society for Testing Materials in Philadelphia, Pennsylvania, February 6, 1957. A three-year research project on the effect of moisture on thermal insulation prompted the presentation of a fifth paper. Two additional papers, on the testing of underground piping thermal insulation, and stress corrosion cracking of insulated austenitic stainless steels, complete the symposium. All papers are published in this volume with the exception of the paper on stress corrosion cracking by A. W. Dana, Jr., E. I. du Pont de Nemours & Company. This paper is being published in the ASTM BULLETIN.

The Symposium was sponsored by ASTM Committee C-16 on Thermal Insulating Materials, of which W. L. Gantz, American Viscose Corp. is Chairman. The Special Symposium Subcommittee was headed by Henry E. Robinson, National Bureau of Standards. C. B. Bradley, Johns-Manville Corp., acted as Chairman of the Symposium session.

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NOTE.—The Society is not responsible, as a body, for the statements  
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