

# SYMPOSIUM ON EXCHANGE PHENOMENA IN SOILS

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Presented at the  
FIFTY-FIFTH ANNUAL MEETING  
(FIFTIETH ANNIVERSARY MEETING)  
AMERICAN SOCIETY FOR TESTING MATERIALS  
New York, N. Y., June 27, 1952



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*ASTM Special Publication No. 142*  
FIFTIETH ANNIVERSARY PUBLICATION

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## FOREWORD

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The papers and discussions in this Symposium on Exchange Phenomena of Soils were presented at the Thirty-fourth Session of the Fifty-fifth Annual Meeting of the American Society for Testing Materials held in New York, N. Y., June 27, 1952.

This Symposium was sponsored by Subcommittee R-6 on Physico-Chemical Properties of Soils of Committee D-18 on Soils for Engineering Purposes and was presided over by Mr. Richard C. Mielenz, Head, Petrographic Laboratory, U. S. Bureau Reclamation, Denver, Colo.

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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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