

SYMPOSIUM ON STEAM QUALITY

Presented at the FIFTY-NINTH ANNUAL MEETING AMERICAN SOCIETY FOR TESTING MATERIALS Atlantic City, N. J., June 21, 1956



ASTM Special Technical Publication No. 192

Price: \$1.75: to Members, \$1.35

Published by the
AMERICAN SOCIETY FOR TESTING MATERIALS
1916 Race St., Philadelphia 3, Pa.

Copyright, 1957 by the American Society for Testing Materials

FOREWORD

The papers and discussions in this Symposium on Steam Quality were presented at the Twenty-sixth Session of the Fifty-ninth Annual Meeting of the American Society for Testing Materials, held in Atlantic City, N. J., June 21, 1956. This Symposium was sponsored by the Joint Research Committee on Boiler Feedwater Studies.

Mr. M. D. Baker, West Penn Power Co., Springdale, Pa., acted as Symposium Chairman and presided over the session.

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

CONTENTS

	PAGE
Introduction—M. D. Baker	1
Measurement and Purification of Steam to 0.01 ppm Total Dissolved Solids—W. B. Gurney Discussion	3
Steam Purity Determination by Tracer Techniques—E. E. Coulter and T. M. Campbell	
Discussion	23
Comments on Corrections to Steam Conductivity Measurements—R. O. Parker and R. J. Ziobro	27
Construction and Operation of Larson-Lane Steam Purity and Condensate Analyzers—A. B. Sisson, F. G. Straub, and R. W. Lane	37

THIS PUBLICATION is one of many issued by the American Society for Testing 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.

