

Third Pacific Area Meeting Papers

Symposium on

AIR POLLUTION CONTROL



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

ASTM Special Technical Publication No. 281

SYMPOSIUM ON AIR POLLUTION CONTROL

Presented at the
THIRD PACIFIC AREA NATIONAL MEETING
AMERICAN SOCIETY FOR TESTING MATERIALS
San Francisco, Calif., October 16, 1959



Reg. U. S. Pat. Off.

ASTM Special Technical Publication No. 281

Price \$1.50; to Members \$1.20

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

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

© BY AMERICAN SOCIETY FOR TESTING MATERIALS 1960

Library of Congress Card Number: 60-15013

Printed in Baltimore, Md,
July 1960

CONTENTS

| | PAGE |
|---|------|
| Introduction—M. D. Thomas..... | 1 |
| Air Pollution Potential of California Coastal Climate—Elmer Robinson..... | 3 |
| Discussion..... | 8 |
| Wind and Weather Summaries for Chemical Plant Design and Air Pollution Control—R. J. Moore, T. D. Boscia, and R. W. Lundeen..... | 9 |
| Fluorescent Dyes As Airborne Tracer Materials—H. C. Wohlers, T. E. Kass, and K. R. Johnson..... | 15 |
| Discussion..... | 22 |
| The Colorimetric Determination of Formaldehyde and Methanol from Combustion Sources—Milton Feldstein..... | 23 |
| Determination of Gaseous and Particulate Inorganic Fluorides in the Atmosphere—M. R. Pack, A. C. Hill, M. D. Thomas, and L. G. Transtrum..... | 27 |

FOREWORD

The papers in this symposium volume were presented at the Third Pacific Area National Meeting of ASTM, held in San Francisco during the week of October 11-16, 1959. The symposium was sponsored by Committee D-22 on Methods of Atmospheric Sampling and Analysis as a part of its continuing program toward solution of air pollution problems by exchange of information and establishment of standards for analysis of the atmosphere. Arrangements for the symposium program were made by M. D. Thomas, Citrus Experiment Station, University of California, who also is chairman of the Subcommittee on Instrumentation of Committee D-22.

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.