

SYMPOSIUM ON RAPID METHODS FOR THE IDENTIFICATION OF METALS

Presented at the
FIFTY-SECOND ANNUAL MEETING
AMERICAN SOCIETY FOR TESTING MATERIALS
Atlantic City, N. J., June 28, 1949



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FOREWORD

The papers and discussions in this Symposium on Rapid Methods for the Identification of Metals were presented at the Third and Fifth Sessions of the Fifty-second Annual Meeting of the American Society for Testing Materials held in Atlantic City, N. J., June 28, 1949. This symposium was sponsored by ASTM Committee E-3 on Chemical Analysis of Metals. The Symposium Committee consisted of L. A. Wooten, Chairman, Bell Telephone Laboratories, Inc.; H. F. Beeghly, Jones & Laughlin Steel Corp.; D. R. Evans, Western Electric Co.; G. R. Gohn, Bell Telephone Laboratories, Inc.; and H. Kirtchik, General Electric Co.

Mr. L. A. Wooten presided over the Third Session while Mr. S. E. Q. Ashley, General Electric Co., acted as Chairman of the Fifth Session.

The papers presented in this symposium provide a rather complete coverage of the most recent developments in the field of rapid methods for the identification of metals. The first three papers deal with the general principles of spot testing with chemical reagents, electro spot testing and electrographic analysis, and of modern instrumentation for the rapid identification of metals. In the following papers specific applications of these methods or of combinations or modifications of them are described. This collection of methods and techniques, some of which have not been described previously, should prove of great value wherever rapid identification of metals is required and especially in cases where the testing must be done in the field, that is, where the laboratory must be taken to the sample.

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

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