

Second Pacific Area Meeting Papers

Symposium on

TITANIUM



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SYMPOSIUM ON TITANIUM

Presented at the
SECOND PACIFIC AREA NATIONAL MEETING
Los Angeles, Calif., September 17 and 18, 1956
AMERICAN SOCIETY FOR TESTING MATERIALS



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FOREWORD

This Symposium on Titanium includes papers on testing techniques and effects of various heat treatments on the properties and characteristics of titanium and titanium alloys. The papers were presented at three sessions, September 17 and 18, 1956, during the Second Pacific Area National Meeting of the Society, Los Angeles, Calif., under the sponsorship of ASTM Committee B-2 on Non-Ferrous Metals and Alloys and the ASTM Administrative Committee on Research.

In addition to the papers presented at Los Angeles, a paper "Effects of Carbon and Nitrogen Contamination on the Notch Tensile Properties of Titanium," by E. P. Klier and N. J. Feola, has been included in this symposium because it deals with one aspect of titanium testing. Also included is the paper "Development of Titanium-Base Alloys for Elevated Temperature Application" by F. A. Crossley, W. F. Carew, and H. D. Kessler, which was presented by title only at the West Coast Meeting. Two papers presented at the West Coast Meeting are not included in this symposium: "Titanium Sponge Quality Evaluation at Titanium Metals Corporation of America," by Carl Blake and Lawrence T. Eck; and "Observation on Brinell Hardness Testing of Titanium Sponge," by Don Baker.*

Mr. J. R. Long, Harvey Machine Co., Torrance, Calif., acted as Symposium Chairman and presided over the morning session, September 17. At the afternoon session September 17, R. E. Paine, Aluminum Company of America, Los Angeles, and B. W. Gonser, Battelle Memorial Institute, Columbus, Ohio, presided. F. L. LaQue, The International Nickel Co., Inc., New York, and F. T. Wood, Jr., Douglas Aircraft Co., Santa Monica, Calif., presided over the third session, September 18.

* To be included in a publication of the U. S. Bureau of Mines.

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

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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.

