

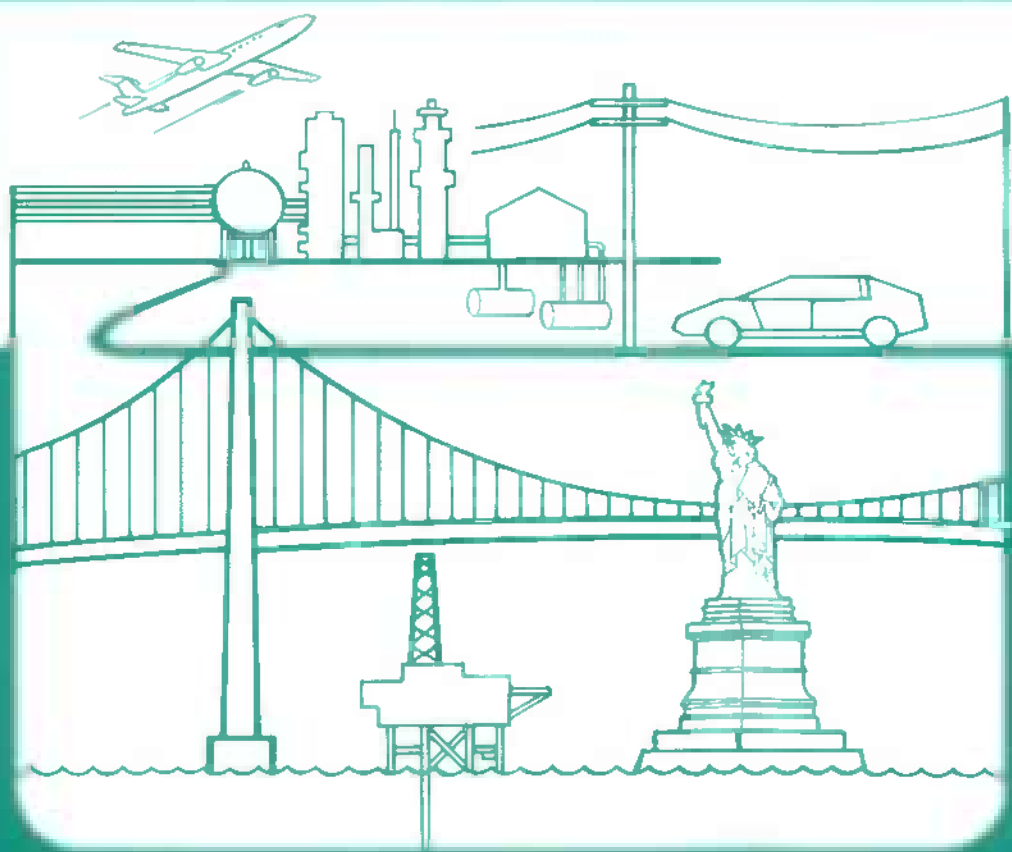
# CORROSION

Testing and Evaluation:  
SILVER ANNIVERSARY VOLUME

Baboian/Dean, editors



STP 1000



**STP 1000**

***Corrosion Testing  
and Evaluation:  
Silver Anniversary Volume***

*Robert Baboian and Sheldon W. Dean, editors*



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# Foreword

On 21 Jan. 1964, the Board of Directors approved the formation of Committee G1 on Corrosion of Metals to consolidate the various standard developing bodies concerned with corrosion testing and evaluation. An unexpected benefit of this consolidation was the attraction of a group of corrosion scientists and engineers to the committee. Their efforts provided leadership in the development of standards in areas previously neglected. These areas included electrochemical test methods, stress corrosion cracking methods, and others. In the ensuing 25 years, Committee G1 has developed more than 50 standards and has been responsible for the publication of 35 special technical publications resulting from symposia sponsored by the Committee.

In order to celebrate 25 years of exceptional productivity, Committee G1 put together a series of special events during its fall meeting in Orlando, Florida, 6–10 Nov. 1989. As part of this celebration, the Silver Anniversary Symposium on Corrosion Testing and Evaluation was held. This Symposium covered technical areas where Committee G1 has been active. A series of highlighting lectures was included to cover the state of the art in each area. In addition, research papers provided new unpublished results in these areas. As a result, 38 papers were presented at this symposium. This publication, *Corrosion Testing and Evaluation: Silver Anniversary Volume, ASTM STP 1000*, contains most of these papers.

The purpose of this STP is to summarize the state of the art in corrosion testing and evaluation in the areas where Committee G1 is active. In addition, this STP highlights areas where research has provided new information in fields related to corrosion testing and evaluation. The STP also covers areas where new standards would be desirable and where existing standards have deficiencies.

Robert Baboian, Texas Instruments, Attleboro, Massachusetts, and Sheldon W. Dean, Air Products and Chemicals, Inc., Allentown, Pennsylvania, served as symposium chairmen and were editors of this publication.

**COVER: Artwork supplied by Robert L. Laverdiere, Texas Instruments, Inc.**

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