

MANUAL ON
INDUSTRIAL WATER
AND
INDUSTRIAL WASTE WATER
Second Edition—1960 Printing



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THE ASTM

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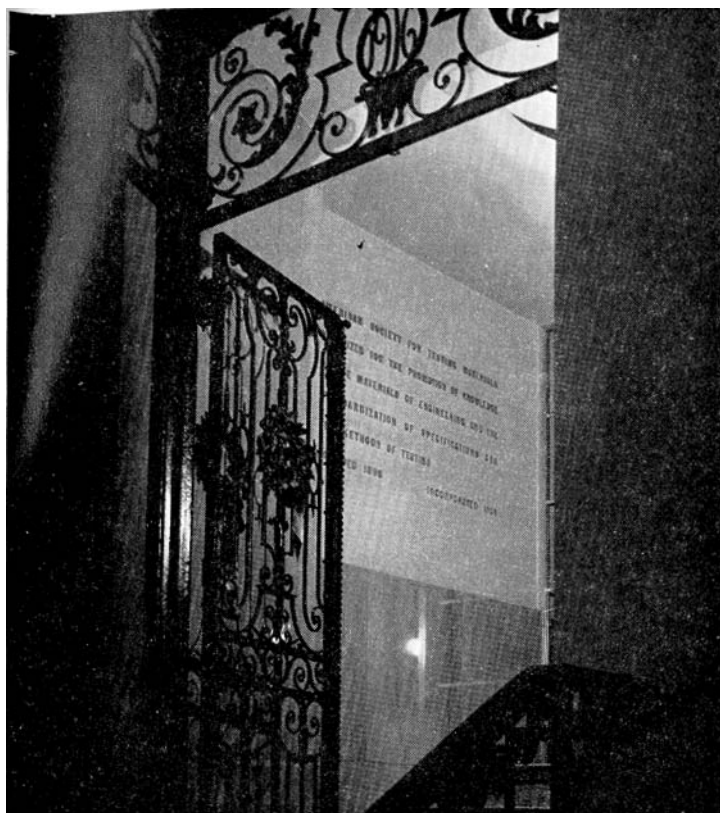
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 OF THE MATERIALS OF ENGINEERING, AND THE
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SECOND EDITION—1960 PRINTING
WITH NEW AND REVISED METHODS

Prepared by
ASTM COMMITTEE D-19
ON
INDUSTRIAL WATER



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FOREWORD TO FIRST EDITION

Committee D-19 on Industrial Water of the American Society for Testing Materials has long believed that something more than standard methods of testing are needed by those who look to the Society for aid. A general discussion of the nature and uses of industrial water should illuminate these prescribed procedures and specifications.

The inception of a Manual on Industrial Water occurred before World War II, but the actual preparation was begun by a section of Committee D-19 in 1946. This section consisted of R. C. Adams (chairman), A. A. Berk, T. H. Daugherty, O. M. Elliott, J. A. Holmes, C. E. Imhoff, A. K. Light, F. U. Neat, F. R. Owens, and A. H. Reynolds. Each member of the section drafted an assigned portion of the Manual with more or less assistance from his associates and from other members of Committee D-19. These drafts were modified, correlated, and assembled by the entire section so that the resulting Manual is the product of group effort in the Society tradition, not a compilation of individual authorships. Many persons not in the section contributed to the Manual. Particular acknowledgment should be made to Max Hecht, L. K. Herndon, E. P. Partridge and C. K. Rice.

This first edition of the Manual will be revised to keep it up to date, and subsequent editions should appear periodically. Any errors noted, or suggestions for revision and improvement, should be brought to the attention of the Society at its headquarters.

January, 1953.

FOREWORD TO SECOND EDITION

The first edition of the Manual on Industrial Water and Industrial Waste Water was reprinted three times. This widespread acceptance has demonstrated the need for a publication devoted to industrial water. Each printing of the Manual was brought up to date by inclusion of all current ASTM methods for the examination of water. The editorial matter, however, was reprinted without revision.

Committee D-19 has taken note of the fact that interest in the characteristics of water is not confined to its suitability for process use, but continues after its final discharge from the plant. This continuing interest arises from the potential effects of certain waste waters on downstream uses. It was decided therefore that a new edition of the Manual should contain information on waste water as well as process water.

Preparation of the second edition was assigned to a task group of Committee D-19, consisting of F. N. Alquist,¹ R. A. Baker, G. D. Beal, F. E. Clarke, E. F. Davidson, B. W. Dickerson, D. K. French, A. S. Goldin, J. E. Kinney, W. W. Leathen, S. K. Love, W. A. Moore, F. R. Owens, J. K. Rice,

¹ Deceased.

C. C. Ruchhoft,¹ R. K. Scott, J. M. Seamon, J. B. Smith, F. N. Speller, R. F. Weston, and R. D. Hoak, chairman. The new edition was composed in the same manner as the first one. Thus it represents a real collaborative effort entailing group responsibility for all the chapters. Acknowledgment should also be made of the contribution of C. K. Rice who, as the D-19 Standards Advisor, was responsible for the editorial form of the methods in Part II.

Successive editions of the Manual will be published from time to time. Any errors of fact, or suggestions for revision or improvement, should be brought to the attention of the Society.

January, 1960.

FOREWORD TO 1960 PRINTING

In this 1960 printing of the Manual, Part II has been enlarged and brought up to date by the inclusion of the new and revised methods and definitions issued in 1960.

There have been no changes in Part I of the Manual.

December, 1960.

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