

1964 REFERENCES ON FATIGUE

(With Additional 1963 References)



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AMERICAN SOCIETY FOR TESTING AND MATERIALS
1916 Race St., Philadelphia, Pa. 19103

ASTM Special Technical Publication No. 9-O

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(With Additional 1963 References)

Prepared by
Committee E-9 on Fatigue



Reg. U.S. Pat. Off.

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NOTE.—Comments and suggestions concerning the value and format of this publication would be appreciated. Correspondence should be addressed to:

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INTRODUCTION

In 1960 the format of the *Annual References on Fatigue* was revised in order to provide greater utility to those interested in obtaining articles concerned with specific topics in the fatigue literature. The format is continued in this year's references. There are four sections to the *Annual References on Fatigue* as follows:

- List of References
- Subject Index
- Author Index
- Reference Sources

The List of References contains all of the fatigue references that the subcommittee, working with other interested personnel, has been able to accumulate. In any one year the list is not all-inclusive. It represents the best efforts of the contributing members. For convenience, the List of References is subdivided into five parts based generally on regions of the world and, in one case, on a language basis as shown below:

- Part A.—United States.
- Part B.—England and Other English-Speaking Countries.
- Part C.—Western Europe.
- Part D.—Eastern Europe.
- Part E.—Asia and Far East.

The references in each part are arranged by year and alphabetically by principal author; each reference is numbered. The information in each listing contains the authors, the title of the article or report, complete information on the reference source, when available, a brief abstract of the

article, and detailed subject index. This section is laid out so that those who wish can still mount the references on file cards.

The next section contains a Subject Index of all articles listed. The key to the detailed subject index precedes the subject index and explanatory comments on its use appear below. In the *Annual References on Fatigue* only those subject headings of the complete subject index that are needed to detail this year's references are included in this section. The listing of a given reference in the Subject Index is by part letter, A through E, and the reference number.

The Author Index is an alphabetical list of all authors of the references in the List of References. Here again, the specific reference is recognized by its part letter and reference number.

The List of Reference Sources has been added as a consequence of using abbreviated titles for reference sources given in the List of References. The abbreviations generally follow the procedure established in *Chemical Abstracts*. In the List of Reference Sources, each reference source is given in abbreviated form and with its complete title.

Members of the Survey Subcommittee III will appreciate receiving comments on the format. It is hoped that the *Annual References on Fatigue* as presented for references will continue to be a useful source of information to those interested in fatigue research.

COMMENTS ON SUBJECT INDEX

ASTM Committee E-9 on Fatigue considered various methods for indexing references on fatigue. Several requirements were kept in focus during the development of the index. It was felt that the index should be:

- (1) Capable of classifying large numbers of references,
- (2) Suitable for continual use,
- (3) Capable of growth (facility for adding greater subject detail), and
- (4) Adaptable for various types of filing that might be employed by the users.

The Survey Subcommittee, of Committee E-9 reached agreement on the Subject Index in early 1958. This Index was published in the *ASTM BULLETIN*, April 1958, so that the full membership could present comments. The finally revised Index was adopted by Committee E-9 at the Annual Meeting, 1958.

Since that time, minor changes have been made in the Subject Index. The present form is shown on p. 78. Note that the Index contains four ordering divisions. The first order division generally identifies material classifications, since it was agreed that this would be the first type of searching for most users of the references. The second order division identifies many of the main categories in which fatigue investigations can be placed (for example, basic research, composition and processing variables, surface factors, etc.). The third and fourth order divisions further subdivide the second order division; however, no attempt was made to do this completely (as, for example, with a detailed word index). For each ordering, additional classes can be added at later times. Thus, the Index has the potential for growth.

THIS PUBLICATION is one of many issued by the American Society for Testing and 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.

