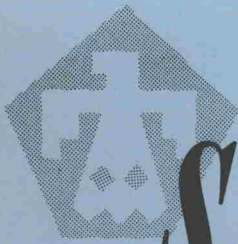


Exploding Wires

H. J. Hall

SCR-53



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EXPLODING-WIRE PHENOMENA

by

WH Richardson

NOVEMBER 1958

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SCR-53

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TID-4500, 14th Edition

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PREFACE

This survey of the literature on Exploding-Wire Phenomena was initiated by the Physical Research Department to support their research investigations. They collected many of the early references and turned the list over to the compiler for verification and expansion.

The survey covers all forms of references--books, periodicals, reports--through April, 1958. It includes early material on basic physics and properties of materials.

Two items cover a large part of the field. One is W. M. Conn's excellent article and bibliography in Zeitschrift für Angewandte Physik, 1955. The other is William G. Chace's bibliography published by the Cambridge Research Center--GRD-TM-57-5, November, 1956. Since Conn's article is in German and Chace's bibliography covers much material not in Conn, it was decided to include both in the present compilation with other and later additions.

The additional references were selected from Physics Abstracts, Electrical Engineering Abstracts, Chemical Abstracts, U. S. Government Research Reports, and a demand bibliography from ASTIA.

The author hopes that users of the bibliography will call attention to errors or omissions.

INTRODUCTION

The journal abbreviations are those of Physics Abstracts.

The bibliography is arranged alphabetically by author and under each author chronologically by title. Sources are indicated by a number in brackets at the end of the citation. These source numbers refer to the consecutive numbering of the bibliography.

The English translation of foreign language titles is given in parentheses after the original title. The translation number of those references which are on deposit in the Special Libraries Association Translation Center at The John Crerar Library are indicated in parentheses following the title.

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