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**AMC PAMPHLET**

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# **ENGINEERING DESIGN HANDBOOK**

## **MILITARY PYROTECHNICS SERIES**

### **PART FIVE - BIBLIOGRAPHY**

**HEADQUARTERS, U.S. ARMY MATERIEL COMMAND**

**OCTOBER 1966**

HEADQUARTERS  
UNITED STATES ARMY MATERIEL COMMAND  
WASHINGTON, D.C. 20315

AMC PAMPHLET  
No. 706-189

28 October 1966

ENGINEERING DESIGN HANDBOOK

MILITARY PYROTECHNICS SERIES  
PART FIVE--BIBLIOGRAPHY

This pamphlet is published for the information and guidance of all concerned.

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## PREFACE

The Engineering Design Handbook Series of the Army Materiel Command is a coordinated series of handbooks containing basic information and fundamental data useful in the design and development of Army materiel and systems. The handbooks are authoritative reference books of practical information and quantitative facts helpful in the design and development of Army materiel so that it will meet the tactical and the technical needs of the Armed Forces.

This handbook, *Military Pyrotechnics, Part Five, Bibliography*, is a supporting handbook for all of the handbooks in the Pyrotechnics Series. It contains a rich source of references, in addition to those specifically listed in the other handbooks of this Series.

Material for this handbook was compiled by the Denver Research Institute of the University of Denver while in the process of preparing the manuscript for *Military Pyrotechnics, Part One, Theory and Application*. Noteworthy in the collection of this source material was the diligent pursuance of Mrs. Alta Morrison of the Denver Research Institute. This material was collected for the Engineering Handbook Office of Duke University, prime contractor to the U. S. Army Research Office Durham.

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Comments and suggestions on this handbook are welcome and should be addressed to Army Research Office-Durham, Box CM, Duke Station, Durham, North Carolina 27706.



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## INTRODUCTION

### ORGANIZATION

The bibliography is composed of selected references to source material of particular value in the field of military pyrotechnics. Material available at mid-year 1964 was included in the search.

The bibliography is organized into two main sections: references from the open literature and documents such as reports and memoranda prepared and issued by public and private agencies and organizations. The former references are listed by author, whereas the latter are listed by source installation and alphabetized according to report title; document numbers, authors, dates and numbers assigned at the Defense Documentation Center are given to the extent that these are known. In many cases all of this information was not available and the entry, therefore, is incomplete to such extent.

### AVAILABILITY

Defense Documentation Center numbers are given for all documents for which the numbers were available. Documents listed but not identified with DDC numbers may be on file at the Center and inquiry should be directed there. Documents not available through DDC may be requested from the source agency.

### CLASSIFICATION

Documents listed in the bibliography include some which carried security classification when issued. Because of changing categories, it is not practical to include the security classification. Prospective users may, therefore, be required to establish security clearance and need to know to obtain some material.

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Listed below are the Handbooks which have been published or submitted for publication. Handbooks with publication dates prior to 1 August 1962 were published as 2D-series Ordnance Corps pamphlets. AMC Circular 310-38, 19 July 1963, redesignated those publications as 706-series AMC pamphlets (i.e., ORDP 20-138 was redesignated AMCP 706-139). All new, reprinted, or revised Handbooks are being published as 706-series AMC pamphlets.

<u>General and Miscellaneous Subjects</u>		<u>Ballistic Missile Series</u>	
No.	Title	No.	Title
106	Elements of Armament Engineering, Part One, Sources of Energy	281(S-RD)	Weapon System Effectiveness (U)
107	Elements of Armament Engineering, Part Two, Ballistics	282	Propulsion and Propellants
108	Elements of Armament Engineering, Part Three, Weapon Systems and Components	283	Aerodynamics
110	Experimental Statistics, Section 1, Basic Concepts and Analysis of Measurement Data	284(C)	Trajectories (U)
111	Experimental Statistics, Section 2, Analysis of Enumerative and Classificatory Data	286	Structures
112	Experimental Statistics, Section 3, Planning and Analysis of Comparative Experiments	<u>Ballistics Series</u>	
113	Experimental Statistics, Section 4, Special Topics	140	Trajectories, Differential Effects, and Data for Projectiles
114	Experimental Statistics, Section 5, Tables	150	Interior Ballistics of Guns
121	Packaging and Pack Engineering	160(S)	Elements of Terminal Ballistics, Part One, Introduction, Kill Mechanisms, and Vulnerability (U)
134	Maintenance Engineering Guide for Ordnance Design	161(S)	Elements of Terminal Ballistics, Part Two, Collection and Analysis of Data Concerning Targets (U)
135	Inventions, Patents, and Related Matters (Revised)	162(S-RD)	Elements of Terminal Ballistics, Part Three, Application to Missile and Space Targets (U)
156	Servomechanisms, Section 1, Theory	<u>Carriages and Mounts Series</u>	
157	Servomechanisms, Section 2, Measurement and Signal Converters	340	Carriages and Mounts--General
158	Servomechanisms, Section 3, Amplification	341	Cradles
159	Servomechanisms, Section 4, Power Elements and System Design	342	Recoil Systems
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