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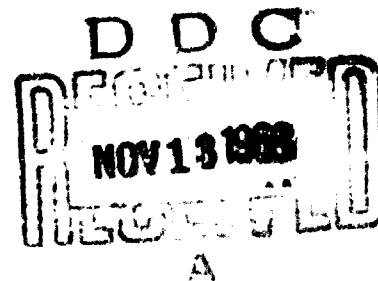
**FREE RADICALS: A BIBLIOGRAPHY
VOLUME I, 1963-1964**

by

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August 1968



**DEPARTMENT OF THE ARMY
EDGEWOOD ARSENAL
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and

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Project 1C622401A102

Task 1C622401A10204

DEPARTMENT OF THE ARMY
EDGEWOOD ARSENAL
Research Laboratories
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FOREWORD

This work was authorized under Project 1C622401A102, Chemical Agent Warning and Detection Techniques (U), Task 1C622401A10204, Detection and Warning Investigations (U). The work was started in January 1963 and Completed in June 1967.

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DIGEST

This special publication lists 1672 references on free radicals found by the author as a result of a page to page scan of the 1963 to 1964 issues of the Physical and Analytical Chemistry Sections, and the Organic Chemistry Sections of Chemical Abstracts. This publication is divided into 10 sections: Synthesis, Reactions of Free Radicals, Reactions Through Free-Radical Mechanisms, Metal Ions and Free Radicals, Electron Spin Resonance, Spectroscopy, Photolysis, Radiolysis, Electric and Magnetic Phenomena, and General Considerations. The references are arranged alphabetically in each section according to first author. Each reference contains the author, title, and journal citation.

CONTENTS

	<u>Page</u>
INTRODUCTION.....	7
SYNTHESIS (Item Numbers 1 to 152).....	7
REACTIONS OF FREE RADICALS (Item Numbers 153 to 354) ...	21
REACTIONS THROUGH FREE RADICAL MECHANISMS (Item Numbers 355 to 530).....	40
METAL IONS AND FREE RADICALS (Item Numbers 531 to 606) .	56
ELECTRON SPIN RESONANCE (Item Numbers 607 to 1000)	63
SPECTROSCOPY (Item Numbers 1001 to 1058).....	100
PHOTOLYSIS (Item Numbers 1059 to 1233).....	105
RADIOLYSIS (Item Numbers 1234 to 1413).....	121
ELECTRIC AND MAGNETIC PHENOMENA (Item Numbers 1414 to 1510)	139
GENERAL CONSIDERATIONS (Item Numbers 1511 to 1672)	148
DISTRIBUTION LIST.....	163
DD FORM 1473 (DOCUMENT CONTROL DATA - R&D)	177

FREE RADICALS: A BIBLIOGRAPHY
VOLUME I, 1963-1964

INTRODUCTION.

In 1961, a report* was published that surveyed the free-radical literature up to and including the year 1959. Approximately 2,200 references were presented in the form of the title of the paper, the author, and a brief description of the work when the title was not self-explanatory.

Since 1963, there has been continuing interest by the US Army to use free-radical chemistry for sustaining chain reactions in chemical detection and warning applications. The current bibliography was compiled to aid these free-radical investigations and covers the years 1963 to 1964. Another report encompassing the years 1965 to 1966 is in preparation. Future plans also call for filling the gap between 1959 and 1963.

These publications will be of interest to any Army scientist conducting free-radical research.

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REACTIONS OF FREE RADICALS.

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REACTIONS THROUGH FREE RADICAL MECHANISMS.

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ELECTRIC AND MAGNETIC PHENOMENA.

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