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Health Effects Research
Laboratory
Research Triangle Park NC 27711

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Research and Development

# Index of Publications on Biological Effects of Electromagnetic Radiation (0-100 GHz)

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# Index Of Publications On Biological Effects Of Electromagnetic Radiation (0-100 GHz)

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## DISCLAIMER

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## FOREWORD

The many benefits of our modern, developing, industrial society are accompanied by certain hazards. Careful assessment of the relative risk of existing and new man-made environmental hazards is necessary for the establishment of sound regulatory policy. These regulations serve to enhance the quality of our environment in order to promote the public health and welfare and the productive capacity of our Nation's population.

The Health Effects Research Laboratory, Research Triangle Park, conducts a coordinated environmental health research program in toxicology, epidemiology, and clinical studies using human volunteer subjects. These studies address problems in air pollution, nonionizing radiation, environmental carcinogenesis and the toxicology of pesticides as well as other chemical pollutants. The Laboratory participates in the development and revision of air quality criteria documents on pollutants for which national ambient air quality standards exist or are proposed, provides the data for registration of new pesticides or proposed suspension of those already in use, conducts research on hazardous and toxic materials, and is primarily responsible for providing the health basis for nonionizing radiation standards. Direct support to the regulatory function of the Agency is provided in the form of expert advice to the Administrator to assure the adequacy of health care and surveillance of persons having suffered imminent and substantial endangerment of their health.

This index compiles much information dealing with electromagnetic radiation over the range of 0-100 GHz. It is intended for use by researchers and agencys doing work with electromagnetic radiation.

F. G. Hueter, Ph.D.
Director
Health Effects Research Laboratory

# PREFACE

This publication lists 3627 articles published in the world literature dealing with the biological effects of electromagnetic radiation over the frequency range of 0-100 GHz. The contents have been compiled from the data bases of the Environmental Protection Agency, Health Effects Research Laboratory, Research Triangle Park, N.C. and the Navy Department, Naval Medical Research Laboratory, Bethesda, Maryland. The bibliography covers the published work that was available to March 1980. In addition to research directly involved with biological effects, we have included ancillary reports of dosimetric studies and design of exposure facilities. The bibliography consists of three sections.

| | |
|---|---|
| KWIC Index | (Key Word-In-Context)-Alphabetical listing of titles by principal (key) words in the title |
| Author Index | Alphabetical listing of titles by author |
| Publication Citations | Listing of complete citations by citation code number |

Each title in the KWIC and Author Indices contains an individual citation number (e.g., 1023). These numbers are listed sequentially in the Publication Citations section along with the complete citation. In the Author Index citation numbers followed by a + (e.g., 0045+) indicate that the author is the primary author for the citation.

The Author Index may have more than one name entry for a single author. This may be due to an author using one or both initials or due to listing the author with more than one spelling of the last name. An example of the latter case is the name of some Eastern European authors whose transliterated last name has produced more than one spelling.

## STOP WORDS

A listing of STOP WORDS for the bibliography begins on page 557. The STOP WORD list is composed of common or insignificant words that have been "stopped" (omitted) so that they will not appear as key words. For example, the words "investigation" and "study" are stopped and will not be found in the KWIC Index as a key word. The purpose of the stop word list is to eliminate excessive KWIC listings and make the results clearer.

Copies of articles published in the open literature may be obtained from local libraries, publishers and authors.

## ABSTRACT

Considerable research effort has been made into the biological effects of electromagnetic radiation over the frequency range of 0-100 GHz. This work intensified since 1966 when occupational exposure guidelines were made by the American Standards Institute - C95.9. During this period and especially in the last several years it has become clear that a cumulative bibliography of peer reviewed publications reporting this research was needed.

This publication lists 3627 articles published in world literature dealing with the biological effects of electromagnetic radiation over the frequency range of 0-100 GHz. The contents have been compiled from the data bases of the U.S. Environmental Protection Agency and the Navy Department. The bibliography covers the published work that was available to March 1980.

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Comments on this bibliography, its usefulness, and format are welcome.

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