



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



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Edited by

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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, non-ionizing 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 agencies 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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STOP WORDS

ABC	AFFECTED	ANTERIOR	ATTITUDES
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ABOVE	AFFECTIONS	APPARENT	AUTHORIZATING
ABSENCE	AFFORDED	APPEARANCE	AUX
ABSOLUTE	AFTER	APPENDIX	AVAILABLE
ABSTRACT	AGAINST	APPLE	AVERAGE
ABSTRACTS	AGENCY	APPLIED	AVERAGING
ABSTRACTS	AHEAD	APPLY	AVERSION
ABSTRACTS-WARSAW	AIDED	APPROACH	AVERSIONS
ABUSE	AIDS	APPROACHES	AVERSIVE
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ACCELERATION	AIR	APRIL	AWAY-EDITORIAL
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ADJUSTMENT	ANALYSES	ASSOCIATION	BETWEEN
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LASTINGS	MAKING	MICROWAVES--AN	NATIVE
LATEST	MANAGEMENT	MICROWAVES--END	NATURAL
LATTER	MANKIND	MICROWAVES-A	NATURALLY
LAYER	MANPOWER	MICTOWAVE	NATURE
LCOF	MANUAL	MIDDLE	NBS
LEADERS	MANUEL	MIDYEAR	NEARLY
LEARNING	MARCH	MIKOLAJCZUK	NECESSITY
LEAST-SQUARES	MARCUSENIUS	MILL	NEEDED
LECTURE	MARGIN	MILLIMETER-AND	NEEDS
LECTURES	MARK	MILLION	NEO-NATAL
LENGTH	MARKET	MILLS	NET
LEQ	MARYLAND	MINIATURE	NET-COUNTING-RATE
LES	MASSACHUSETTS	MINIMIZE	NEV
LET	MAST	MINIMUM	NEVADA
LETTER	MASTER	MINITORS-EPA	NEW
LEVEL	MAY	MINNEAPOLIS	NEWCASTLE
LEVELS	MAY-JULY	MINNESOTA	NEWS
LIES	MEAN	MINUTE	NIGHT
LIFSHITZ	MEANS	MIRROR	NIGHTTIME
LIKE	MEAS	MIXTURE	NIH
LIKELIHOOD	MEASIRING	MODERATE	NINE
LINK	MEASURABLY	MODIFICATION	NON
LINKS	MEASUREMENTT	MODIFICATIONS	NON-
LIQUID	MED	MODIFIED	NOOO14-72-A-
LIQUIDS	MEDFORD	MODIFY	NORMAL
LIST	MEDIA	MOLITOR	NORTH
LISTING	MEDIAL	MOMENT	NORTHEAST
LIT	MEDIAN	MOORE	NORWEGIAN
LITERATURE	MEETING	MORE	NOT
LIVING	MELAS	MOSCOW	NOTE
LOGIC	MEMORANDUM	MOTION	NOTEBOOK
LONE	MEN	MOTIONS	NOTES
LOOD	MENACE	MOVEMENT	NOTICE
LOOK	MERCURY-IN-GLASS	MOVING	NOVEL
LOOP	MERIT	MULTIPLE	NOVEMBER
LOS	METERLESS	MULTIPLICATION	NOW
LOUIS	METRIC	MUTUAL	NULL
LOWER	METRO	MYSTERY	NUMBER
LSA	MEV	MYTH	NWL
M-W	MEXICO	NA+	OBJECTS
MADE	MIAMI	NAACH	OBLITERATIVE
MAIN	MICRO	NAD	OBSERVATION
MAINTAINING	MICRO-	NAI	OBSERVATIONAL
MAINTENENCE	MICROWAV	NAME	OBSERVATIONS
MAJOR	MICROWAVE-	NARDA	OBSERVED

OBSERVEES	PAIRS	POSSIBILITIES	PRODUCT
OBSTACLE	PALLOT	POSSIBILITY	PRODUCT
OBTAINED	PAN	POSSIBLE	PRODUCTION
OCCURRING	PANEL	POSSIBILITY	PRODUCTIVE
OCCURRENCE	PAPER	POST	PRODUCTS
OCCURRING	PAPERS	POTENT	PRODUCTS-
OCTOBER	PARAMETER	POTENTIAL	PROFESSIONALLY
OERFORMANCE	PARAMETERS	POTENTIALLY	PROFILES
OERSTED	PART	POTENTIALS	PROGRAMS-FISCAL
OF-REVOLUTION	PART-I	POWDERS	PROGRESS
OF-WAY	PARTICIPATION	POWERFUL	PROGRSS
OFF	PASSER	PRATICAL	PROJECT
OFFICE	PAST	PRE-	PROMISING
OND	PATUXENT	PRE-AND	PROMPTS
ONDES	PEA	PRE-EXISTING	PRONE
ONE	PEAK	PRE-PURCHASE	PROOF
ONE-WAY	PEAS	PRELIMINARY	PROPOSAL
ONGOING	PENNSYLVANIA	PREPARATION	PROPOSALS
ONLINE	PENTAGON	PREPARATIONS	PROPOSED
ONLY	PEOPLE	PREPARING	PROSPECTS
OPEN	PERFORATED	PRESENCE	PROVE
OPINION	PERILS	PRESENT	PUBLIC
OPTIMAL	PERIOD	PRESENTATION	PUBLIC-OCS
OPTIMUM	PERMANENT	PRESENTLY	PUD
OPTION	PERMANENTLY	PRESERVE	PUEBLO
ORANGE	PERSONNEL	PRESERVED	PURE
ORDER	PERSONS	PRESERVING	PURPOSES
ORDINARY	PEST	PRESTON	PURULENT
OSHA	PHENOMENA	PREVAILING	PYRAMIDOL
OSLOW	PHENOMENON	PRINCIPLES	QUALITY
OTH	PHILOSOPHIC	PRINT	QUALITY-FACTOR
OPTHER	PICKUP	PRINTED	QUANTIES
OTP	PICTURE	PRINTING	QUARTERLY
OUR	PLACEMENT	PRIOR	QUEST
OURSELVES	PLACES	PRIORITY	QUESTIONNAIRE
OUT	PLAN	PROBLEM	QUOTIENT
OUTCOME	PLOT	PROBLEMS	R-F
OUTDOOR	POLAND	PROCEEDINGS	R42
OUTLINE	POLEY	PROCESS	RADC-TN-59-199
OUTLOOK	POLISH	PROCESSES	RADIATA
OUTPUT	POLY	PROCESSING	RADIATION--A
OVER	PORTABLE	PROCESSING-TABULATED	RADIATION--I
OVERHEAD	PORTIONS	PRODUCE	RADIATION--II
OWN	POSE	PRODUCED	RADIATION--III
P-N	POSITION	PRODUCES	RADIO
PAIR	POSITIONING	PRODUCING	RADIO-

RADIO-AND
RADIO-GREQUENCY
RADIOACTIVITY
RADIOCHASTOT
RADIOCOR
RADIOL
RADISTION
RADITION
RAFINESQUE
RAIN
RAISING
RALPH-AN
RANDOM
RANGE
REACH
REACT
READOUT
REAL
REALITY
RECENT
RECOMMENDED
RECORDER
RECORDER-A
RECORDING
RECOVERY
REGIME
REHEATED
RELATED
RELATINESTIC
RELATING
RELATION
RELATIONS
RELATIONSHIP
RELATIONSHIPS
RELATIVE
RELATIVELY
RELAYING
RELEASE
RELEASING
RELEVANT
RELIEF
RELIEVES
REMAIN
REMOTE
REPEATED
REPETITIVE

REPLY
REPORT
REPORT
REPORT--PROPOSED
REPORT-EFFECTS
REPORTED
REPORTER
REPORTS
REPRESENTATIONS
REPRINT
REPRODUCIBLE
REPT
REQUENCY
REQUEST
REQUIREMENTS
REQUISITE
RESEARCH
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RESEARCH--
RESEARCH--A
RESEARCHERS
RESEARCHING
RESOURCE
RESPECT
RESPOND
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RESTORATIVE
RESULT
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RESULTS
RETURN
REVISIONS
REVOLUTION
REVUE
REWARMING
RICHARD
RICHARDSON
RICHLAND
RICHMOND
RIGHTS-
RIGHTS-OF-WAY
RIGID
RISE
RISES
RIVER

RIVISED
ROCHESTER--THE
ROCKVILLE
ROLE
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