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**Military Radiobiology**-James Conklin 2012-12-02 Military Radiobiology provides an understanding of the sources and consequences of radiation exposure. Military personnel must develop a working knowledge of postexposure effects in order to determine points of intervention. The medical problems confronting military radiobiology include target damage, which causes decrements in normal performance, physiological injury, and impairments of the immunological-hematological system that lead to life-threatening infectious complications. The book begins by describing the properties of nuclear weapons, including the mechanisms by which nuclear energy is stored within the nucleus, its release, and its conversion to those forces associated with nuclear weapons. This is followed by discussions of the sources, patterns, radiological effects, and management of nuclear fallout; the biological effects of exposure to ionizing radiation released by nuclear weapons; and effects of radiation on the immune system, gastrointestinal physiology, and cardiovascular function. Subsequent chapters cover the diagnosis, triage, and treatment of radiation-associated injuries; internal contamination with radionuclides; radioprotective drugs; psychological reactions to nuclear confrontation; and the response to a nuclear weapon accident.

**Army Research and Development**- 1965

**International Journal of Radiation Biology**- 1990-07

**International Journal of Radiation Biology and Related Studies in Physics, Chemistry and Medicine**- 1990

**Radiation Hazards to Crews of Interplanetary Missions**-National Research Council (U.S.). Task Group on the Biological Effects of Space Radiation 1996

**The Fundamentals of Imaging Physics and Radiobiology**-Joseph Selman 2000

**Frontiers in Radiation Biology**-European Society for Radiation Biology. Meeting 1990

**Military Medicine**- 1993

**Medical Bulletin**- 1986

**Government Reports Annual Index**- 1987 Sections 1-2. Keyword Index.--Section 3. Personal author index.--Section 4. Corporate author index.-- Section 5. Contract/grant number index, NTIS order/report number index 1-E.--Section 6. NTIS order/report number index F-Z.

**Government Research Directory**- 2010

**Radiobiology**- 1971

**Biochemistry of Ionizing Radiation**-Thomas L. Walden 1990

**Terrestrial Space Radiation and Its Biological Effects**-Percival D. McCormack 1988 This volume is based on the proceedings of an Advanced Study Institute (ASI) sponsored by the North Atlantic Treaty Organization (NATO) held October 1987 in Corfu, Greece. The Institute received financial support from the National Aeronautics and Space Administration, U.S.A. Armed Forces Radiobiology Research Institute, U.S.A. Department of Energy, U.S.A. Deutsche Forschungs-und Versuchsanstalt fur Luft und Raumfahrt e.v., Kaln, Germany The advent of the shuttle era is providing fresh impetus for large space ventures such as communication centers, solar power stations, astronomical observatories, orbiting factories, and space based radar. Such ventures will rely heavily on an extensive and prolonged human presence in space doing in-orbit construction, maintenance, and operation. Among the advantages of location in space are the near zero gravity environment, commanding location, and the reception of solar energy and astronomical signals unattenuated by the atmosphere. Central to long-term manned space missions are the problems associated with the effects of exposure to ionizing radiations on humans. Manned space missions in the past have encountered relatively benign radiation environments because of their very short duration and orbit configuration. However, crew stay time of up to a year has been recently achieved by the Soviet space program; and Mars missions lasting several years are under serious consideration.

**Energy Abstracts for Policy Analysis**- 1988

**Encyclopedia of Medical Organizations and Agencies**-Backus 1993-12

**Government Reports Announcements & Index**- 1987

**CPL Bibliography**-Council of Planning Librarians 1979

**Gastrointestinal disease**-Marvin H. Slesinger 1989

**Toxicology Research Projects Directory**- 1980 An indexed directory of current research project abstracts in toxicology and related fields.

**CELLULAR ANTIOXIDANT DEFENSE MECHANISM**-Ching K. Chow 1988-09-30

**Aviation Space and Environmental Medicine**- 1989

**Privacy Act Issuances ... Compilation**-United States. Office of the Federal Register 1981

**The Biological Basis of Radiation Protection Practice**-Kenneth L. Mossman 1992

**Basic Mechanisms in Radiobiology**-National Research Council (U.S.). Subcommittee on Radiobiology 1957

**Research on Health Effects of Low-Level Ionizing Radiation Exposure**-Committee on Research Directions in Human Biological Effects of Low-Level Ionizing Radiation 2014-12-05 It is probably only a matter of time before we witness the next event in which large numbers of people are exposed to ionizing radiation. In the past, planning a response to such an occurrence would have likely focused on the management of casualties from high-dose exposure. However, more recently, a different threat has come to the fore: accidental (through a containment breach in a nuclear power plant, for example) or intentional (via a "dirty bomb") releases of radioactivity resulting in low-dose exposure to a population. The magnitude of the health risks arising from low-dose radiation exposure is uncertain, and this uncertainty has significant economic implications for public health decision making. "Research on Health Effects of Low-Level Ionizing Radiation Exposure" examines recent scientific knowledge about the human effects of exposure to low-dose radiation from medical, occupational, and environmental ionizing-radiation sources. This report is intended to provide advice to the Armed Forces Radiobiology Research Institute (AFRRI) about its role in low-dose radiation health effects research. The report identifies current research directions in radiobiological science and assesses how AFRRI programs are advancing research along these directions. The recommendations of "Research on Health Effects of Low-Level Ionizing Radiation Exposure" will provide guidance for AFRRI to build on its strengths and advance its mission while contributing to the body of scientific knowledge on the health effects of exposure to low-dose ionizing radiation.

**Contemporary Radiobiology**-Kenshi Komatsu 2019-10-28 People today worry about threats from radiation exposure. Such concerns have been backed up in the past when A-bombs were used in Hiroshima and Nagasaki during World War II, and from exposures which resulted from accidents in nuclear power plants in Chernobyl and Fukushima. In the past decade, knowledge of the effects of radiation at the molecular level, including DNA damage and repair, has advanced dramatically. This book describes the current state of knowledge in the fields of radiation effects, the medical uses of radiation, and radiation protection. It also considers past nuclear disasters, including the accident at Fukushima, and trends in nuclear disarmament.

**Government Reports Announcements**- 1974-06-14

**Current Catalog**- 1988 First multi-year cumulation covers six years: 1965-70.

**The Military Surgeon**- 1953

**Defence Science Journal**- 2000

**Encyclopedia of Applied Physics**-George L. Trigg 1991 Counter This cumulative index is essential for all those who need to consult the Encyclopedia of Applied Physics for specific information which is not treated in a separate entry. It provides full access to this indispensable reference work.

**Reverse Acronyms, Initialisms, & Abbreviations Dictionary**-Ellen T. Crowley 1982 Band 3.

**IEEE Transactions on Military Electronics**- 1957

**Proceedings of the Society for Experimental Biology and Medicine**-Society for Experimental Biology and Medicine (New York, N.Y.) 1993 List of members in each volume.

**Radiobiology, v.1 no. 4, 1961 AEC 5425**- 1961

**Current Serials Received**-British Library. Lending Division 1982

**Tabulation of Available Data Relative to Radiation Biology**-Fairchild Engine and Airplane Corporation. Nuclear Energy Power for Aircraft Division, Oak Ridge, Tenn 1949

**Tabulation of Available Data Relative to Radiation Biology**-Fairchild Hiller Corporation. NEPA Medical Advisory Panel 1950

**Guide to U.S. Government Publications**-John L. Andriot 2010