

The book can be divided into three major sections. In the first, the authors do a superb job in reviewing the sources of radiation, as well as basic radiation physics, chemistry, and biology. This is a concise presentation of most of the basic fundamentals needed for further study of radiation at the cellular, tissue, and systemic levels. Direct effect, carcinogenic effects, and genetic effects of high-LET, low-LET, and radionuclide irradiation are presented in detail. Radiation syndromes, as well as the effect of various radiation modifiers are reviewed. There is also a timely discussion on radiation exposure in utero.

The final area of discussion includes data pertaining to cancer induction, estimation of carcinogenic risk, and radiation carcinogenesis at specific sites. For most of the organ systems there is reference to the effects of fallout, radiation therapy, diagnostic radiation, and internal exposure.

The appendix, which includes an extensive glossary of radiobiology terms, as well as many hard to find radiation source and exposure tables, is a useful reference for nuclear physicians and those involved with radiobiology.

Overall, this text fulfills its purpose as a source book for professionals interested in the effects of ionizing radiation in humans. It is highly recommended as an informative and well written text for practitioners, medical scientists, and medical specialists dealing with the effects of radiation.

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Books Received

Positron Emission Tomography and Autoradiography: Principles and Applications for the Brain and Head. *M.E. Phelps, J.C. Mazziotta, H.R. Schelbert. New York, Raven Press, 1985, 704 pp, \$89.50*

Essentials of Nuclear Medicine Imaging, Second Edition. *F.A. Mettler, M.J. Guiberteau. Orlando, Grune & Stratton, 1985, 391 pp, \$47.50*

Health Technology Assessment Series: Health Technology Assessment Report, 1985, No. 13: Magnetic Resonance Imaging. *E. Feigenbaum. Rockville, National Center for Health Services Research and Health Care Technology Assessment, 1985, 106 pp, no charge*

Emergency Radiology of the Acutely Ill or Injured Child, Second Edition. *L.E. Swischuk. Baltimore, Williams & Wilkins, 1986, 622 pp, \$75.00*

Pocket Atlas of Cranial Magnetic Resonance Imaging. *V.M. Haughton, D.L. Daniels. New York, Raven Press, 1985, 61 pp, \$12.50*

The Nuclear Waste Primer. A Handbook for Citizens. *The League of Women Voters Education Fund. New York, Nick Lyons Books, 1986, 90 pp, \$11.95*

Clinical Epidemiology: The Architecture of Clinical Research. *A.R. Feinstein. Philadelphia, W.B. Saunders, 1985, 832 pp, \$60.00*

Digital Subtraction Angiography: Practical Aspects. *A. Van Breda, B.T. Katzen. Thorofare, Slack, Inc., 1986, 230 pp, \$49.50*

Manual of Neonatal Care, Second Edition. *J.P. Cloherty, A.R. Stark, Eds. Boston, Little, Brown, and Company, 1985, 658 pp, \$17.95*

Send Us a Lady Physician: Women Doctors in America 1835-1920. *R.J. Abram, Ed., New York, W.W. Norton & Co., Inc., 1986, 255 pp, \$20.00*