

The text is neither on administration or management. The usefulness of this text is questionable. The material presented would be most suitable as an article in a professional journal.

LEONARD LOPEZ
The Johns Hopkins Hospital
Baltimore, MD

RADIATION SPECTRA OF RADIONUCLIDES

T. B. Metcalfe, Park Ridge, NJ, Noyes Data Corp, 1976, 394 pp.
\$36.00

This reference book tabulates physical data necessary for identification of the radionuclides present in an unknown gamma spectrum. The data are arranged in a table by increasing gamma energy. For each observed energy, all known radionuclides emitting photons of that energy are listed. The table is divided into consecutively numbered subtables, each subtable being associated with a particular radionuclide. The subtable lists physical data for the radionuclide, including complete gamma and beta spectra,

percent emissions when known, and half-life. As higher-energy gamma of a radionuclide appear in the table, repetition of the listing of the physical data is avoided by referencing the page number of the earliest subtable appearing for that radionuclide. This allows easy, complete identification of the unknown spectrum by energy and half-life.

In printing this book, the column headings for parent and daughter of the radionuclide listed were reversed. This does not detract from the usefulness of the table, however, if the user is aware of the error.

As a reference, this book will prove most useful to nuclear medicine personnel involved in spectra identification. Together with the standard radionuclide references, such as *Table of Isotopes* and *Nuclear Data Sheets*, *Radiation Spectra of Radionuclides* provides information necessary for physical analysis of the many radionuclides encountered in nuclear medicine.

MARLEEN MOORE
University of Colorado
Medical Center
Denver, CO