wasted. Because of this, it is not an easy book to read and consequently fosters the notion that scientific documents are not to be read by the uninitiated. The document would be aided considerably by the inclusion of a few diagrams rather then using precise terminology to define various criteria.

This is not a book which every nuclear medicine technologist will need, or want, to read. It is directed at physicists and dosimetrists and as such serves its purpose well. Instructors may also wish to obtain a copy since the concept of dose equivalent is certainly one of which technologists should be aware even though it is hardly like to affect the practice of their technology.

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NCRP REPORT NO. 49: STRUCTURAL SHIELDING DESIGN AND EVALUATION FOR MEDICAL USE OF X-RAYS AND GAMMA RAYS OF ENERGIES UP TO 10 MeV

National Council on Radiation Protection and Measurements, Washington, DC, 1976, 126 pp.

While hardly a publication the *New York Times* Book Review would cite as a good read, the newest NCRP report continues the Council's tradition of authorative and comprehensive handbooks. This National Council on Radiation Protection report, No. 49, contains the necessary computational tools to design radiological shielding for diagnostic x-ray, radiation therapy, and brachytherapy installations. As such, it supercedes NCRP Report No. 34, issued in 1970.

The textual changes from the older report are rather minor with most of the revision being in the shielding requirement tales for 50- to 300-kVp x-rays based on new data by E. Dale Trout's group. An additional change is from one of citing room dimensions in meters instead of feet and wall thickness in centimeters, not inches. While someone has to be first in this transition, I fear a long wait until I receive my first set of architectural drawings in metric.

While the primary audience for this report, the radiological physicist, will certainly be happy to replace his dog-eared copy of No. 34 with this new edition, nuclear medicine technologists will also wish to add this modestly priced handbook to their collection for its explicit exposition of room shielding design and its extensive tables.

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Word Find Answers

These are the answers to the Word Find Puzzle that appeared in the March 1977 issue of the JNMT *(page 14). The puzzle was submitted by Lynne Wells.*

1. Absorption
2. Agglutination
3. Allergy
4. Anode
5. Atomic Mass
6. Background
7. Betatron
8. Core
9. Deadtime
10. Decay
11. Dosimeter
12. Gamma Rays
13. Gene
14. Half-life
15. Ion
16. Isotope
17. Label
18. Mass
19. Mean Life
20. MeV
21. Monitor
22. Neutral
23. Pig
24. Pile
25. Pion
26. Plateau
27. Radionuclide
28. Rep
29. Rest Mass
30. Shield
31. Source
32. Spectrum
33. Tracer
34. Velocity
35. Zeeman Effect