BOOK REVIEWS


Although this book appears expensive as an addition to one's library, for the novice or the candidate for examinations for the Boards in Radiology or Urology, Dr. Sherwood's *Uroradiology* may well be worth the cost.

This work is not encyclopedic in depth or breadth, but that wasn't its goal, and do not expect an extensive discussion of the mechanism of papillary necrosis or of reflux. In a quite readable, terse style, with numerous well-reproduced illustrations, Dr. Sherwood with the help of Dr. Alan Davidson and Dr. Lee Talner, "deals more with patient's presenting problems than with disease entities." It is gratifying that the authors have exerted considerable effort to present the "tools of the trade" in a broad perspective.

Besides conventional diagnostic roentgenographic modalities, there are sections dealing with ultrasound, computed tomography, and radionuclide imaging and their potential contribution to urodiagnostic diagnosis. A major advantage of this text is the multi-imaging approach because it permits the reader to obtain that broad perspective of the strengths and weaknesses of the newer modalities available in this important diagnostic area. The radiologist's role is not simply to perform examinations requested by the clinician, but to take an active role in suggesting which studies should (and which should not) be performed. *Uroradiology* will help the reader attain this goal.

Not surprisingly, a book published in Great Britain uses the British spelling of words (tumour, paediatric, oedema, uraemic, manoeuvres), which I found interesting, if not quaint. "Hurt calices" is a quite descriptive heading of one section of this book. Certain words did, however, send me running for my "Funk and Wagnall's."

In summary, this is a readable work that will be of considerable value to anyone desiring an introduction or review of uroradiology.

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**The Physics of Medical Imaging: Recording System Measurements and Techniques.** A. G. Haus, Ed. New York, American Institute of Physics. 1979, 613 pp. $35.00 ($25.00 for AAPM members)

This book is a collection of 34 papers presented at the 1979 American Association of Physicists in Medicine Summer School. The papers are organized in six sections, and a corresponding discussion transcript in question and answer form accompanies each section. The papers are generally well illustrated, adequately referenced, exceptionally up-to-date, and are written in an easy to read, tutorial form. The mathematical level of the presentations is generally limited to simple algebraic relations with heavy dependence on simple graphs to illustrate important concepts. Relatively little background in image recording technology is needed to benefit from the material contained in this book, since each section contains at least one introductory level paper. Unfortunately, no index is provided at the end of the book.

In summary, this book will be of particular value in introducing image recording system concepts. At least 15 of the papers are directly applicable to nuclear medicine systems and another six are somewhat applicable. The reader who wishes to keep abreast of developments in medical radiography, ultrasound, and computed tomography as well as nuclear medicine, and has an interest in image recording technology or quality control will find this volume especially valuable.

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The intention of this "short" text is to help one prepare for the qualifying diploma examination of the College of Radiographers of England (technicians). Unfortunately, I cannot critique the text on the basis of this purpose; however, it does appear to be an appropriate text for the trainee radiotherapists. This paperback, which contains a glossary indicating the Greek and Latin roots of many medical terms, is organized into two parts: Physics (135 pages) and Oncology (150 pages).

In view of the large amount of space devoted to physics, one would expect the treatment of this topic to be very complete; however, it is not current, and does not reflect modern radiation therapy, at least not as practiced in the United States. Topics, such as the resonant transformer, the Van de Graaff generator, and grid