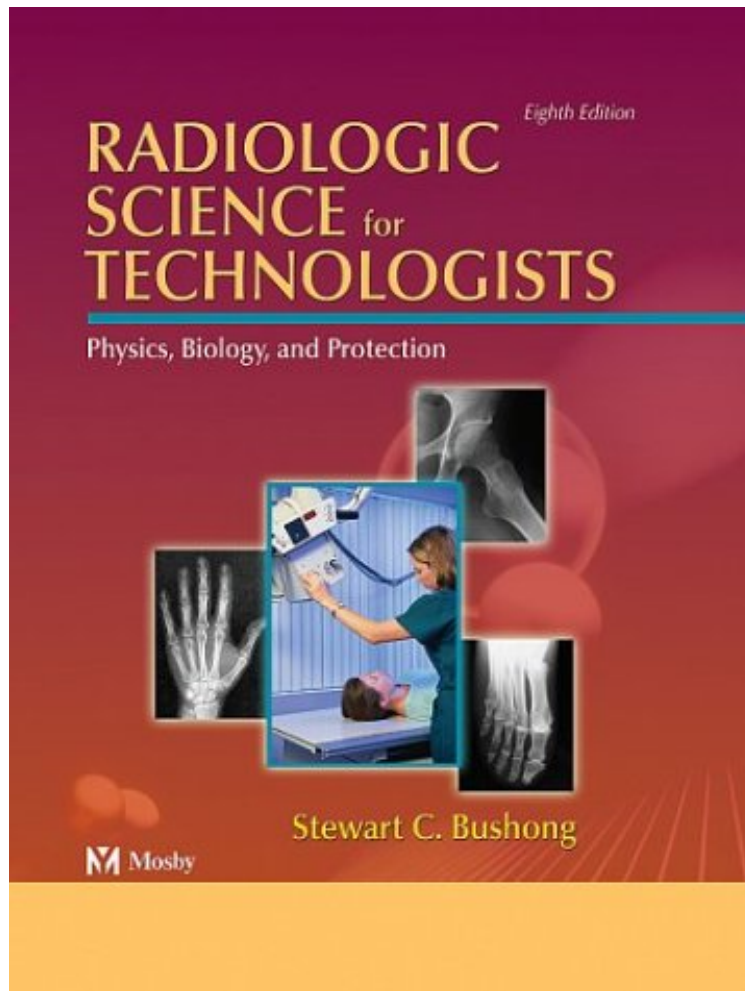


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Stewart C. Bushong ScD FACR FACMP, Stewart Bushong
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This up-to-date textbook is designed to convey a working knowledge of radiologic science, providing a base from which radiographers can make informed decisions about technical factors and diagnostic image quality in the workplace. Its unique, full-color design highlights important concepts and makes content easy to understand. User-friendly features, clearly written content, and up-to-date material makes this resource ideal for both practitioners and radiography students preparing for the ARRT certification exam. Instructor resources are available; please contact your Elsevier sales representative for details. Broad coverage of topics in radiologic science includes radiologic physics, imaging, radiobiology, and radiation protection - as well as special topics in imaging such as mammography, fluoroscopy, spiral computed tomography, and cardiovascular interventional procedures. Vibrant, full-color design highlights learning features, math formulas, and key definitions and concepts by focusing attention on important information and making it easy to review content and formulas. Objectives, key terms, outlines, chapter introductions and summaries help students organize and understand information. Quick reference information (formulas, conversion tables, abbreviations, etc.) is printed on colored end sheets for easy access to frequently used information. End-of-chapter questions provide opportunities for students to review and assess what they've learned, using definition exercises, short answer, and calculations. Special icons designate Math Formulas boxes and Important Concepts boxes to highlight and emphasize the most important information or mathematical formulas as they appear in the chapters. The latest advances in radiologic science are included, with significant updates to chapters on Mammography, Interventional, Multislice Spiral CT, Digital Imaging and Radiation Protection. A new chapter on Digital Image Receptors provides an analysis of newer approaches to direct capture radiography and explores the benefits of new modalities, such as lower patient radiation dose. Key terms are bolded and defined when first encountered in the text, and each bolded key term is included in an expanded glossary.

About the Author Stewart C. Bushong, ScD, FACR, FACMP, Professor, Department of Radiology, Baylor College of Medicine, Houston, TX