

WORKBOOK AND LABORATORY MANUAL

NINTH EDITION

RADIOLOGIC SCIENCE for TECHNOLOGISTS

PHYSICS, BIOLOGY, AND PROTECTION

Stewart Carlyle Bushong



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NINTH EDITION

Workbook and Laboratory Manual for
RADIOLOGIC SCIENCE
for **TECHNOLOGISTS**

PHYSICS, BIOLOGY, AND PROTECTION

Master essential skills and concepts with enhanced study and practice!

Sharpen your skills and reinforce what you've learned with this engaging companion to the latest edition of Radiologic Science for Technologists. Whether used for homework or in-class assignments, this valuable resource is your perfect study and practice guide. A variety of unique worksheets, crossword puzzles, lab experiments, and mathematic exercises help you learn by doing and provide the scientific understanding and practical experience necessary to become an informed, confident radiographer.

- More than 100 detailed worksheets enhance your understanding of key concepts in all areas of radiologic science, including new developments in digital imaging.
- Math Tutor exercises refresh your calculation skills with decimal and fraction timers, fraction/decimal conversions, solving for desired mAs, and technique adjustments.
- Laboratory Experiments provide a practical framework for applying textbook concepts in the lab setting through hands-on experience.

Enhance your understanding of radiologic science with hands-on review and practice!

Recommended
Shelving
Classifications

**Radiography
Imaging Sciences**


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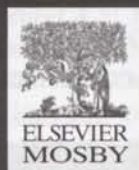
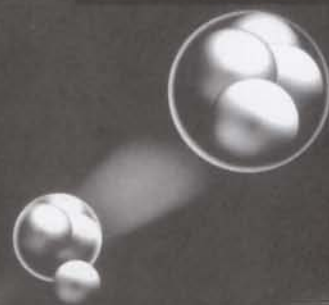
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WORKBOOK AND LABORATORY MANUAL for Radiologic Science for Technologists

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NINTH EDITION



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(by Quinn B. Carroll, MEd, RT)

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Preface

Readers familiar with Bushong's *Radiologic Science* will recognize the author's signature on this new edition of the *Workbook and Laboratory Manual*. Straightforward and fun, the workbook stimulates discussion while helping students review information and hone the skills necessary to become informed and competent radiologic technologists.

This edition retains the traditional way the previous editions have been divided into three parts: Worksheets, Math Tutor, and Experiments. The worksheets are organized by topic and numbered according to the textbook chapters. The worksheet numbers and descriptive titles make it easy to find worksheets to test specific topics or coordinate with the major concepts of a textbook chapter; they primarily contain multiple-choice questions that can be quickly graded and returned.

Each worksheet features "Penguins" to aid in the successful completion of the exercises. The penguin provides a concise summary of information that is relevant to the exercise questions. Lighthearted and to the point, Penguins make it easier than ever to review major textbook concepts.

The author wishes to thank the following reviewers for their valuable input: **Alberto Bello, Jr., RT, (R)(CV), MEd**, Oregon Institute of Technology; **Deb Schroth**, St. Anthony Hospitals; **Edmund Arozoo, EPA**, South Australia; **Mahadevappa Mahesh, PhD**, Johns Hopkins University; **Nancy Wardlow, MS**, Tyler Junior College; **Pamela Lee, MEd**, Tacoma Community College; **Richard Bayless, MEd**, University of Montana; **Rob Morrison**, Frank Barker Associates; **Steve Strickland, PhD**, Aiken Technical College; **Tim Gienapp, BS**, Apollo College.

As always, Mosby welcomes your comments about this book or any of our other imaging sciences publications.

The author especially appreciates your comments regarding any of the material in this volume, including specific questions, Penguins, Math Tutor, and Laboratory Experiments. Please email me at sbushong@bcm.tmc.edu so that together we can make this material even more instructive and "Physics even more Phun."

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