

Third edition

X-ray technology

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Dedicated to
X-ray technicians

Foreword

This book should prove helpful to those who need help the most. It is a compilation of the instructional material which has been found by the authors to be the most effective in teaching students x-ray technology at Oregon Technical Institute.

It presents basic information and procedures. Frills have been intentionally omitted. While this is a practical book to be used in basic instruction, it may also be used by the technician of limited experience and the technician "on his own" in the smaller hospitals and clinics.

The authors have made a valuable contribution to x-ray technology.

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Acknowledgment

It is unfortunate that Donald E. Hagen's extensive obligations prevented his collaboration in this third edition. His contribution to the reception of the previous editions, and through them, to our technological arts and skills, cannot be measured in words.

Charles A. Jacobi

Preface to third edition

As with the second edition, revision for the third edition results from the encouragement of wide acceptance of this text, from the many favorable and constructive comments, and from the necessity to keep the text material current with technological changes.

Many new illustrations appear throughout the text, especially in the chapters on positioning. Also, changes in terminology have been introduced to facilitate a smooth transition to the official terminology adopted by the Committee on Standardization of Terminology of the Commission on Technician Affairs of the American College of Radiology. We greatly appreciate the cooperation of Dr. James P. Steele, Chairman of the Committee, in this transition.

We also wish to thank Professor H. M. Hunt, Professor E. D. Kurtz, and Professor D. H. Whitwer of the Oregon Technical Institute science and mathematics staff for their timely advice and most able assistance.

We are most appreciative of the many suggestions given us by Dr. E. I. L. Cilley, Dr. T. W. Crowell, Dr. R. E. Waud, and Dr. G. H. Hoffman. We especially appreciate their generosity with permission to use radiographs from their files, and particularly we appreciate the untiring effort on the part of Dr. Crowell for his personal contribution in photographing the model in the many radiographic positions.

We appreciate with great sincerity the patience exhibited by and the cooperation of the model for the positioning photographs, Miss Barbara Hunt.

We are grateful to Picker X-Ray Corporation for permission to photograph various items they manufacture, to Clay-Adams, Inc., for permission to photograph various anatomic models they manufacture and prepare, and to Eastman Kodak Company, Medical Film Division, for their many courtesies and generous assistance.

Finally, we want to publicly acknowledge the always thoughtful assistance of our wives, both in typing the manuscript and in the many other ways in which each has been so helpful.

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