

CHEMISTRY AND TOXICOLOGY FOR NURSES

Published @ 2017 Trieste Publishing Pty Ltd

ISBN 9780649426188

Chemistry and Toxicology for Nurses by Philip Asher

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PHILIP ASHER

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TOXICOLOGY
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C BY
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SECOND EDITION, REVISED

PHILADELPHIA AND LONDON
W. B. SAUNDERS COMPANY
1918

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Reprinted January, 1916. Revised,
reprinted, and recopyrighted
October, 1918

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PRINTED IN AMERICA

PRESS OF
W. B. SAUNDERS COMPANY
PHILADELPHIA

**THIS BOOK IS DEDICATED
TO MY DEAR WIFE**

PREFACE TO THE SECOND EDITION

It is more than gratifying to the author that his efforts have been so kindly received and that it has become necessary in so short a time to print a new edition of his book.

While it is impracticable to include in this edition all the new material contained in the Ninth Revision of the United States Pharmacopœia, it has been my aim to notice that most essential to a work of this elementary character.

I must again emphasize that this book is of the most elementary nature, and that in the examples given to bring out certain points the principal consideration has been clearness of illustration rather than accuracy of chemical facts and theories and the actual existence of compounds whose formulæ are given by way of explanation. My object has been to write as lucidly as possible, so that my readers may get a clear understanding of the general outlines of the subject rather than an exact knowledge of the precise facts and refined principles of the science. Chemistry has not yet been included in the curriculum of all schools of nursing, nor is it a compulsory subject exacted by examining boards of nursing. With this in mind, I have endeavored to present the subject in a simple manner, and where I have deviated from accepted standards I have done so

solely on account of the fact that this book is intended for beginners in the study of chemistry and not for those who have been previously instructed in that science.

I am indebted to Mr. Wm. E. Westermann for aiding me in proof-reading and for other assistance, and I take this means of acknowledging his kindness and valuable help rendered to me.

PHILIP ASHER.

NEW ORLEANS, LA.,
October, 1918.

PREFACE

IN offering this volume to that class of noble and sacrificing women who are to devote their life's work to the aid of suffering humanity and to assist the physician in his labors, the author feels that a work of this small compass may be of service to them in the better understanding of the many problems with which they may be brought in daily contact. If, with all its simplicity, it be found of service to the great number following these fields of endeavor and they gain such information as will be of practical service to them, the author feels that his efforts will have been well repaid. It has been his constant aim to make this work as instructive as its compactness will permit, and his object has been to keep constantly before the student its practical import, so that this little volume may also be her companion after leaving her home of instruction.

The author was for a long time undecided to take up this task, but upon the earnest solicitation of his friends, thoroughly conversant with nursing, as to the need of a book of such elementary character, this work was undertaken. Yet, notwithstanding such encouragement, he feels that an apology is due for the very elementary nature of this work, and requests the reader to bear in mind that the treatise is not intended as a text-book of this most interesting science, with its many ramifica-