

# CHEMICAL LITERATURE AND ITS USE

NOTES OF A COURSE OF LECTURES, IN CHEMISTRY 92  
REQUIRED OF THIRD YEAR STUDENTS IN  
CHEMISTRY AND CHEMICAL ENGINEERING  
UNIVERSITY OF ILLINOIS

BY

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## PREFACE

These notes were compiled to serve as a brief guide to the increasing flood of chemical literature. They are prepared for the use of students who have a reading knowledge of French and German, and have had two years of college chemistry. Similar work might be arranged for zoology, or other branches of science where the literature is largely in serial form.

The lists are in no sense exhaustive, but include the works at hand that seem most important, with special reference to the training of students in the use of serials and books. Each student looks up a number of problems during the year in the department library.

A course, Chemistry 92, Chemical literature and its use, once a week for one year has been given to juniors in the courses in chemistry and chemical engineering, at the University of Illinois, since 1913. Valuable advice received from members of the departmental faculty has resulted in various revisions of the work.

Thanks are due in particular to Dr. C. G. Derick, former assistant professor, for his initial support and counsel; and to Mr. C. S. Palmer, for helpful suggestions and aid in reading the proofs.

MARION E. SPARKS

September 2, 1919  
Urbana, Illinois.

## PREFACE TO THE SECOND EDITION.

The second edition, is, with a few exceptions, much like the first; more data on certain works have been given, errors corrected, and some new books and serials added. The number of the lectures has been increased; this makes possible an amplification of the section, 'Suggestions upon looking up all literature of a subject', as Lectures 7 and 16.

In the second edition Lecture 9 includes first, organic reference books, and second, suggestions upon looking up patents; for the patents in particular, I am indebted for much help to the paper by F. E. Barrows, noted in the Bibliography, that is placed after the last Lecture on pages 76-80. The list of papers in the Bibliography makes evident the value that is attached to the knowledge of the literature.

It gives me pleasure to acknowledge here the kindness of Dr. R. Adams, Dr. G. D. Beal, and Dr. H. B. Lewis, who read the manuscript and suggested important additions to the lists.

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