

**REFERENCE SOURCES
IN
CHEMISTRY**

**A PROJECT WORK
of
DEPARTMENT OF LIBRARY SCIENCE
UNIVERSITY OF BOMBAY**

By

**DILIP MAN STHAPIT
STUDENT OF B. LIB. SC.
ROLL NO. 44
DEPARTMENT OF LIBRARY SCIENCE
UNIVERSITY OF BOMBAY
VIDYANAGARI, SANTACRUZ (EAST)
BOMBAY - 400 098, INDIA.**

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- DILIP MAN STHAPIT

PREFACE

Information plays an important role in the development of every field. Therefore a brief knowledge regarding information sources is necessary to function in any field. There are many information sources about scientific and technical subjects. In this context there are many reference sources in Chemistry too. Chemistry is one important part of the science which deals with the study of the composition of substances and the chemical changes that they undergo.

The purpose of this report is to present at least 25 reference sources on Chemistry with brief information about each source. Reference sources in chemistry are best organised than other subject's literature. Chemist and its related professionally engaged persons and students of chemistry are more dependent upon their reference sources. It means best reference sources of chemistry play vital role in development of this subject. Everyday thousands of books are published in the world. There may be several sources dealing with the same subject, we may want to buy the best books. The objective of this report is to present 25 best reference sources on Chemistry.

This report's first two chapters deal with the background, definition, need and utility, categories, criteria of evaluation of reference sources. Chapter three list 27 reference sources, with brief evaluation of each reference source.

CHAPTER I

REFERENCE SOURCES AND THEIR UTILITY

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REFERENCE SOURCES AND THEIR UTILITY

BACKGROUND:

About 500 years ago library was known as a place of book collection or store house of books. In those days form of book was manuscript and those days reading material was very rare, because printing machine was not invented. So they used to keep reading material in locked system. Afterward this concept is changed and form of reading material also changed, because of invention of printing machine. So man thought that books are not made only for store or preservation, they are also made for use, because they give knowledge. According to this changing concept, now a days readers go to library for their further study.

Reading materials or book collection is not only aim of library. Besides this library also provides different types of services and facilities to library users. Main objective of library is to fulfill needs of users and help them in their study, teaching, research etc. In this context library also provides services like inter-library loan, translation service, documentation service, abstracting and indexing service, reprographic service, etc. For effective service, every well organised library has four main sections, such as:

- a) Acquisition Section
- b) Technical Section
- c) Circulation Section, and
- d) Reference Section.

The acquisition section selects and purchases books and reading materials for library. The technical section does cataloguing and classify to locate books and reading materials easily and promptly. The circulation section is generally charged with the dissemination of reading materials that may leave the library. This section provides this service by systematic way. For this, they provide readers ticket for borrowing reading materials etc.

The reference is the section that interprets the library's collection to its readers. Primarily the reference section is responsible for not circulating reading materials, but in the performance of its interpretative function the whole reading materials and indeed resources outside the library may be used.

Concept of reference service developed after 1876. There is different view about origin of reference service. Some say reference service is started by Samuel Green in 1876 and some say it is started by Melvil Dewey. Any way, the main aim of reference service is to satisfy the reader and Dr. S.R. Ranganathan, the father of Indian Library Science started this service in 1926 and he gave five principles, such as:

- a) Books are for use
- b) Every readers his/her book
- c) Every books to its reader
- d) Save the time of the readers
- e) Library is growing organism

In modern day reference service plays main part in library. Reference service provides right information to right type of readers in minimum time.

DEFINITION OF REFERENCE SERVICE:

There are many definitions about reference service. Some definitions are as following:

According to LOUIS SHORES - "Reference is to Library Service what intelligence is to the military."¹

According to the Dr. S. R. RANGANATHAN - "Reference Service is the process of establishing contact between a reader and his document in a personal way."² His document means every one of the precise documents needed by him at the moment. It further means establishing the contact without any loss of time for him.

According to D. J. FOSKETT - "Reference Service is essentially humanism in practice because the aim is to help people in one way or other, to secure greater happiness through the possession of knowledge."³

¹ . Louis Shores. Basic Reference Sources: an introduction to materials and methods. - Chicago, American Library Association, 1954, p2.

² . A. K. Mukherjee. Reference Work and its Tools.- Calcutta, The World Press Private Ltd., 1975, p3.

³ . A. K. Mukherjee. Reference Work and its Tools.- Calcutta, The World Press Private Ltd., 1975, p2.

According to J. I. WYER -"Reference Service is Sympathetic and informal personal aid in interpreting library collection for study and research."⁴

According to MARGARET HUTCHINS-"Reference work includes the direct personal aid within a library to persons in search of information for whatever purpose and also various library activities especially aimed at making information as easily available as possible. Selecting and organising materials with this and in view is as important a part of reference work as their interpretation to the individual reader."⁵

In this context the American Library Association Glossary of Library and Information Science has defined Reference Service as -"personal assistance provided by members of the reference staff to library users in pursuit of information."⁶

These definitions of reference service clearly indicate the importance of reference service. It is not possible to all readers to find out his related information without an intimate understanding of his precise interest at the moment. To get this understanding, there must be a clear communication between the librarian and the reader. From the first moment of the reader asking for help to the last moment of his getting all his documents, the librarian will have to be personally administering to the needs of the reader so reference service is a personal assistance type service, which helps to find out particular type of information to particular type of readers so all the libraries whether small or large library all should provide reference service in their library for their readers, because in modern society it plays vital role in library, it also has impact on society. Modern library's reference service provides not only contact between readers and their interested reading materials, they also help readers in saving their time by giving personal guidance. Therefore, reference service is essentially personal service of library and it is also related in all activities and functions of Reference Librarian.

NEED AND UTILITY OF REFERENCE SERVICE:

Modern library is regarded as a service institution. Its main aim is to enable the readers to make the most effective use of the resources and services of the library. So reference service is an essential function of library. This service plays vital role in

⁴ . Louis Shores. Basic Reference Sources: an introduction to materials and methods.- Chicago, American Library Association, 1954, p2.

⁵ . A. K. Mukherjee. Reference Work and its Tools. Calcutta, The World Press Private Ltd., 1975. p3.

⁶ . American Library Association Glossary of Library and Information Science.- Chicago, American Library Association, 1983, p118.

establishment of the right contact between a reader and reading material as well as it also plays role in assisting reader to find out right kind of reading materials according to reader's needs. Besides this, different kinds of readers, such as gentle, aggressive, meek and they may be educated and less educated, so when they come to library, at that time he would require a special effort to understand. Therefore, there is a need to have a human being in library, who can help the user in explaining or interpreting information content of a reading materials.

As well as there is increase in documents day by day and there are many types of documents like books, periodicals, conference reports, dissertations, encyclopaedias, etc. So readers are also of different kinds, they may need specific purpose so to fulfill these types of demands reference service plays important role by providing all types of information.

DEFINITION OF REFERENCE SOURCE:

Without sufficient reference sources reference librarian can not give effective service. So reference source or book play vital role in library for their well service. First of all it is important to know about what is reference books or sources ? In this context HARROD'S LIBRARIANS' GLOSSARY AND REFERENCE BOOK has defined reference books as -"Book such as Dictionaries, Encyclopaedias, Gazetteers, Yearbooks, Directories, Concordance, Indexes, Bibliographies, Atlases, which are compiled to supply definite pieces of information of varying extent, and intended to be referred to rather than read through."⁷

According to the American Library Association Glossary of Library and Information Science, reference source is -"any source used to obtain authoritative information in a reference transaction. Reference sources include printed materials, audiovisual materials, machine readable databases, library bibliographic records, other libraries and institutions and persons both inside and outside the library"⁸

From above definition we can say that reference sources or books are those reading materials which help to find out the location of information quickly and easily and such types of sources are not issued out for home reading. These are only allowed to use in library building only. These types of books like Dictionaries, Encyclopaedias, Handbooks, etc. are regarded as reference sources or books.

⁷ Harrod's Librarians' Glossary and Reference Book; 5th ed. Hants, Gower Publishing Company, 1984, p647.

⁸ The American Library Association Glossary of Library and Information Science. Chicago, American Library Association, 1983, p189. 4

CATEGORIES OF REFERENCE BOOKS:

There are many categories of reference materials or books which help users in their related study, teaching and research work. These categories are:

1. Dictionaries:

It is a book containing the words of language or terms of subject arranged in some definite order, usually alphabetical, with explanation of the meaning of the word. In dictionary we also get known words to explain the unknown words. Dictionaries also provide a guide to syllables in words and also indicate their pronunciation. Some dictionaries also give etymology of the words and also grammatical information. As well as dictionaries also help in to knowing following types of information:

1. They give clear meaning of the words, phrases.
2. They also guide about what is spelling of a word.
3. They help us how to use and pronounce the word.
4. They also give grammatical information
5. They also give knowledge of origin and development of the word.
6. They also give synonyms and antonyms of the word.
7. Full meaning of the abbreviation is also given.
8. Slang meaning is also given in dictionary.

e.g. i) The Oxford English Dictionary

ii) Webster's Third New International Dictionary of the English Language Unbridge

There are many subject dictionaries too, which help to find out the meaning of the particular type of subject. Subject dictionaries are limited to particular type of subject. It gives meaning of the word of particular subject only. e.g. A Dictionary of Economics and Commerce gives meaning of the economics and commerce only and Condensed Chemical Dictionary gives meaning of the related words of chemical term only.

2. Encyclopaedias:

An Encyclopaedia is a systematic summary of the knowledge, it is most significant to mankind. Dictionary defines only but encyclopaedia gives detailed background of anything. It also gives current and updated information. Encyclopaedia gives simple answers to questions like who? what? where?

when? and how? It satisfies the every day information needs of the most people. It gives in simple language a complete picture of a given topic, description of a place or biographical information of the people who have achieved some recognition in any walk of life.

- e.g.
- 1) Chamber's Encyclopaedia
 - 2) The New Encyclopaedia Britannica
 - 3) The Encyclopedia Americana

There are also subject Encyclopaedia. These encyclopaedias cover or deal particular types of subjects.

- e.g.
- 1) **McGraw Hill Encyclopedia of Science and Technology** deals only with science and technology and The Encyclopedia of Chemistry deals only with chemistry and related terms.

3. **Yearbooks:**

It emphasizes current and contemporary information rather than the happening of the past. It also gives information of the trends and current developments in specific areas of human activity. It covers important events of the year in questions, personalities in the news of the year and statistical information of the year. According to the American Library Association Glossary of Library and Information Science, Yearbook is -" an annual compendium of facts and statistics of the preceding year, frequently limited to a special subject"⁹

The following types of questions are illustrated in the yearbook:

1. What is the population of Bombay city ?
2. How many college students are there in Bombay? etc.

There are many yearbooks are regularly published in the world. Such as:

1. Manorama Year Book
2. The Europe World Yearbook (2 Vols,)
3. The Statemen's Yearbook
4. The World Almanac and Book of Facts
5. The Guineas Book of Records.

⁹ . The American Library Association Glossary of Library and Information Science. Chicago, American Library association, 1983, p244.

4. **Almanacs:**

Almanacs are annual publications relating to calendar frequently in accompanied by astrological data, statistics and other information. It gives forthcoming information and this is like yearbook. It provides answers to many such questions, information concerning countries, persons events and variety of statistics. There are many almanacs regularly published in the world. e.g. **The World Almanac & Book of Facts, Information Please Almanac**, etc.

5. **News Digests:**

It emphasizes events of yesterday rather than events of today. It gives very recent information. News Digests are published in weekly, fortnightly, monthly or quarterly form. For example **Asian Recorder** is records of the important events and developments of Asian countries. This recorder is published weekly and **Keesing's Records of World Events** is a brief account of the important events and happening of the England, Europe and Commonwealth countries, **Indian Recorder** give brief summary of the recent and important events of India, etc.

6. **Handbooks:**

Handbook is mostly used by person who needs theory oriented information. It covers compendium of facts of one or more subjects. It gives brief information only. These are helpful in understanding a subject. It provides sources for the facts and figures and reader can use this information and go to original sources for further information. There are some useful handbooks. e.g. **Asia - A Handbook**, this handbook covers on social, economical, political and cultural life of Asia, **Radio Engineering Handbook**, this typed handbook covers engineering subjects.

7. **Manuals:**

It should give information concerning facts and figures on one or more subjects collected for ready use or reference. These are useful for practical oriented information, it is consulted with activity. e.g. **How to Repair Car?** **How to Run Computer?** etc. all these types of problems are easy to solve according to guide of manual.

8. **Directories:**

It is a book containing list of names and addresses of persons, researchers, organizations, etc. arranged in alphabetical and geographical order, often it gives also information of data on which the association came into existence, its aims, objectives, scope, field of activity, number of members etc. Thus it is useful for enquiring on specific facts or a particular fields. e.g. Telephone Director, The Foundation Directory of New York, **Kothari's Industrial Directory of India, Directory of Periodical Published in India, Ulrich's International Periodicals Directory**, etc.

9. **Bibliographies:**

It is the systematic arrangement of the list of books or documents. It helps us to obtain information of the work on a particular subject, author, periodical, etc. There are different kinds of bibliographies, such as:

- a) Enumerative/Systematic Bibliography: It give details list of books.
- b) Analytical Bibliography: It provides physical description of the books, such as size, type, etc.
- c) Textual Bibliography: It concerns itself with textual variations between the manuscript and the printed book and different edition of the book.
- d) Critical Bibliography: It gives a critical/evaluative note about the entries.
- e) Bio-Bibliography: It gives a list of books about and by an author.

There are many reputed bibliographies, such as **The Indian National Bibliography, The Nepalese National Bibliography, Bibliography of Doctoral Dissertations**, etc.

10. **Union Catalogue:**

Sometimes one or more libraries prepare a catalogue, which lists all the books and reading materials available in those libraries is known or called union catalogue. They are made available for user in all the participating libraries. This catalogue provides information regarding location of reading materials alongwith the bibliographic details of the particular subjects. Without these types of catalogue researchers and the scholars can never achieve success in his work. There are many popular union catalogues, such as: **The National Union Catalogue of USA, National Union Catalogue of Scientific Serials in India, Union Catalogue of Social Science Periodicals: Maharashtra**, etc.

11. **Indexes:**

Indexes point out relevant information of the books and periodicals which guide the contents of documents. There are many popular indexes, such as: **Periodical Index**, **Pool's Index to Periodical Literature**, etc.

12. **Biographical Reference Sources:**

It gives brief information about lives of renowned person of the national and international or professional. When we want to get some information or biography about renowned person's personalities of the national and international. This type of biographical information is available in biographical reference sources. Biography is the life story of the individuals. There are two types of biography. General biography and another is subject biography. General biography such as encyclopaedias, dictionaries, directories, etc. provide only brief biography of important person in all walks of life, but subject biography contents biography of specific field on national and international field. e.g. **Dictionary of Scientific Biography** provides biography of renowned scientists of the world.

13. **Geographical Sources:**

These are consulted for about places or geography, such as where is Bombay? What is population of Nepal? These types of information is given in geographical sources. e.g. **Dictionary of Poponium**, it gives information about certain places. These type of knowledge of the geographical sources is very useful in study, research, etc.

Geographical sources are of three types, such as:

- a) Gazetteers
- b) Guidebooks, and
- c) Atlases, Maps and Globes.

- a) **Gazetteers:** This is an encyclopaedia of geographical information. Good gazetteer give information about names of geographical places with detailed information about population, longitude, brief history, etc. The American Library Association Glossary of Library and Information Science defines gazetteer as -"a geographical Dictionary."¹⁰ There are many popular

¹⁰ The American Library Association Glossary of Library and Information Science. Chicago, American Library Association, 1983, p104. 9

gazetteer, such as: **The Gazetteer of India, Gazetteer of the World, Chambers World Gazetteer**, etc.

- b) **Guidebooks:** Guidebooks also give information like gazetteers. Guidebooks are written in simple language. They also give information about routes of places, suitable time for travel, name of Hotels, exchange rates and other many information. e.g. Fodor's India, A guide to Iran, etc. gives information about related places. According to the American Library Association Glossary of Library and Information Science - "guidebooks is a handbook for travelers that gives information about a city, region or country or a similar handbook about a building, museum, etc."¹¹
- c) **Atlases, Maps, and Globes:** Atlases, Maps and Globes, etc. give accurate information. These are colourful, attractive and simple for use. According to the American Library Association Glossary of Library and Information Science Atlases, Maps and Globes is - "a volume of maps, plates, tables, etc. with or without descriptive letter press. It may be an independent publication or it may have been issued to accompany one or more volumes of text."¹² There are many popular Atlases, Maps, Globes in the world. Such as **India in Maps, The Times Atlas of the World**, etc.

¹¹ The American Library Association Glossary of Library and Information Science. Chicago, American Library Association, 1983, p108.

¹² The American Library Association Glossary of Library and Information Science. Chicago, American Library Association, 1983, p13. 10

CHAPTER II

CRITERIA OF EVALUATION OF REFERENCE SOURCES

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CRITERIA OF EVALUATION OF REFERENCE SOURCES

Reference books play very important role while giving reference service to readers. Reference books are used by readers for knowing information. Reference book's purpose is different from other books. Reference books are costly too. So when select for purchasing reference books that time specially attention is necessary to give for study and evaluation according to following seven criterias. These criterias are given by Louis Shores and this criteria is known as ASTAFS(T).

1. **AUTHORITY OF PUBLISHERS:** While purchasing reference books, one must know the experiences, reputation, qualifications of authors, editors, compilers, publishers, etc. of the reference books, because reputed, qualified and experienced author's editor's compiler's reference book is very authentic for reference service and reference users.
2. **SCOPE OF THE BOOK:** This coverage purpose and contents of the reference books. So study is most necessary to know the purpose of reference books, information is systematically given or not all these are carefully studied in the editorial or preface.
3. **TREATMENT OF THE BOOKS:** While evaluating the reference books, librarian should give attention to style of the reference books. In this context librarian should know the treatment of reference books, how to give information like name of places, name of persons, statistics, fact figure, etc. is necessary to study because all these things can help the librarian for evaluating the reference book.
4. **ARRANGEMENT OF THE BOOK:** Arrangement is essential for knowing the location of information. So arrangement or sequence of the book is also necessary to study for evaluation of reference book. Arrangement like classified, chronological, geographical, or alphabetical and which rules are followed in method, indexes are given or not, all this information is helpful to evaluate the reference books.

5. **FORMAT OF THE BOOKS:** While evaluating the reference book it is necessary to give attention to format or physical makeup of the book. In this context librarian should give attention to know about the reference book i.e. single or multi volumes, binding type, what quality of paper is used in reference book, what type of illustrations are given, etc. All these things are very important, because of reference books are very expensive and many users will be using it, so quality of paper, binding style plays significant role in evaluation of reference books.
6. **SPECIAL FEATURES OF BOOKS:** While evaluating the reference book, in that time it is necessary to give attention in special features of reference books, such as what features distinguish from other reference book, because special features are very useful for reference purpose.
7. **TIMELINESS:** Current information is very valuable for reference service. So while evaluating the reference book librarian should give attention to timeliness of information.

CHAPTER III

REFERENCE SOURCES IN CHEMISTRY

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REFERENCE SOURCES ON CHEMISTRY

Concise Etymological Dictionary of Chemistry.- by Stanley C. Bevan, S. John Gregg and Angela Rossinsky.- London: Applied Science Publishers Ltd., 1976 (ix, 140p: ISBN: 0-85334 653 4)

All the authors of this dictionary is renowned and qualified person and they all are related in renowned institution, such as Department of Polymer Science and Technology of Brunel University, U.K., University of Witwatersrand of South Africa, etc. Publisher of this dictionary also renowned and experienced publisher of the London.

This dictionary covers special and new words of chemistry. Works consulted other dictionaries and books name is given in before the preface. Such as 1) The Oxford Dictionary of English Etymology, 2) Thorpe's Dictionary of Applied Chemistry, etc.

In this dictionary main word is given in boldface and etymology is given in Italics. This dictionary is useful for teachers of the chemistry, practising chemists. Words are given in alphabetical order.

This dictionary is single volume, harbound, paper used in dictionary is fine quality, easy to turn page and easy to handle for xeroxing.

This dictionary has introduction chapter in page 1 to 14 with deals words in general, the vocabulary of science, the vocabulary of Chemistry and note on use of the dictionary and give list of abbreviation. This dictionary is useful for those persons too whose native tongue is different than English, because this dictionary has appendix 1 to 8 which contains Greek Alphabet, Latin and Greek Numerals, Latin prefixes, Greek prefixes Latin roots, Greek roots, etc.

**[TRIBHUVAN UNIVERSITY CENTRAL LIBRARY (TUCL), NEPAL -
R540.3/B467c/G24180]**

The Condensed Chemical Dictionary.- Gessner G. Hawley.- 9th rev. ed.- New York: Van Nostrand Reinhold Company, 1977. (xiii,957p. ISBN: 0-442-23240-3)

Reviser of this dictionary is renowned person, who is also co-editor of Encyclopedia of Chemistry and co-author of Glossary of Chemical Terms. Publisher of this dictionary also renowned and experienced. This dictionary is appeared in 1919 so this edition is revised as well as the including the importance for chemist, general public like environmental and health hazards is included in this edition.

Main purpose of this dictionary is to present distinct types of information such as technical description of chemicals, raw materials and processes, expanded definitions of chemical entities phenomena and terminology and description or identification of a wide range of trade marked products used in the chemical industries. In first edition has included only chemical terms but according to demand of time in this 9th edition also have environmental and health hazards words.

Arrangement of entries are in strict alphabetical order. Many prefixes used in organic chemistry are disregarded in alphabetizing like ortho-, meta-, para-, etc. Cross references like see also found, e.g. benzal chloride= see benzyl dichloride. Abbreviation also used in this dictionary e.g. A.B.S.=alkyl benzene sulfonate.

This dictionary is single volume, hardbound, paper used in dictionary is fine quality, easy to turn page for study and xeroxing. Illustrations are also given in dictionary which are related to text.

Manufacturers of trademark product numerical list and alphabetical list are also given in this dictionary, Formula is also found in this dictionary, e.g. water - ice - steam-HOH.

**[TRIBHUVAN UNIVERSITY CENTRAL LIBRARY (TUCL), NEPAL -
R540.3/C751/G22910]**

Dictionary of Organic Compounds.- ed.by J. B. Thomson.- 4th ed.- London: Eyre & Spottiswoode Publishers Ltd., 1979. (1058p., ISBN: 0413 608409)

Editor of this dictionary is qualified person and all the member of the editorial advisory committee of this dictionary also qualified and reputed person and publisher of this dictionary is also well known of the London. This edition has included up to date information in the light of more recent literature and also contains formula index of all new compounds.

The main purpose of this dictionary is to present the constitution and physical, chemical and other properties of the principal carbon compounds and their derivatives, together with relevant literature references. Revised and brought up to date in more recent literature formula of the new compounds also included. Errata have been inserted.

This dictionary is arrangement according to the alphabetical order.

This dictionary is single bulky volume, hard bound, paper used in this dictionary is fine quality, easy to turn page and easy in xeroxing.

Formula Index is also given.

[TRIBHUVAN UNIVERSITY CENTRAL LIBRARY (TUCL), NEPAL -
R541.03/D561/G23367]

Glossary of Chemical Terms.- by Clifford A. Hampel and Gessner G. Howley.- New York: Van Nostrand Reinhold Company, 1976. (v,281p. ISBN: 0-442-23238-1)

Both of the Compilers of this Glossary are reputed, qualified and experienced persons. They also have edited many valuable publications such as The Encyclopaedia of the Chemical Elements, Encyclopaedia of Chemistry, Condensed Chemical Dictionary, etc. Publisher of this Glossary also reputed and experienced publisher of the world.

This Glossary is useful to those persons who had little exposure to chemistry or who require a source of review information. This Glossary provides basic definition of chemical terminology. It contains 2000 entries covering terms used in different areas of chemistry and also commonly used in chemical industries and covers all natural and man made chemical elements and major chemical group like aldehyde, amine, etc. This Glossary also provides all important functional terms such as catalyst, plasticizer, etc., basic phenomena and processes e.g. oxidation. This Glossary has also biographies of more than 100 chemists.

This Glossary is designed for professional chemists, engineers, industrial technologists and students of chemistry.

The arrangement of the terms are in alphabetical order. See also references are also given in many terms e.g. Diastate = see enzyme.

This Glossary is single volume, hardbound, easy to turn page and xeroxing. Figure, diagram, etc. are also given for accuracy.

This Glossary has chemical elements, symbol, atomic number, automic weight table is presented before the title page and end of the book.

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R540.3/H187g/G23485]**

Gardner's Chemical Synonyms and Trade Names.- by William Gardner.- ed.by Jill Perce.- 9th ed.- Aldershot: Gower Technical Press Ltd., 1987. (1081p. ISBN:0-291-39703-4)

Compiler, executive editor and consultant of this synonyms and trade names is renowned person of the England as well as world. Publisher of this book is also reputed publisher of the England and USA. This synonyms and trade names is widely used rapid source of information on chemical trade names and synonyms. This edition has included new synonyms and tradenames and greatly revised in this edition. Approximately this edition has 12000 new entries along with a comprehensive index as well as this edition have more than 45% new materials.

This book is in two part. Part one cover alphabetical list of trade names and synonyms and part two cover brief list of suppliers with appendix of name and address of manufacturers who help in this edition together with listing of their production. This book is useful for chemical technologists and related persons.

Arrangement of this book is a alphabetical order new trade name is given with asterisk mark* e.g. Acelon=Cellulose acetate coated fabric*

This book is in hard bound. There are two parts in the book. It's bulky easy to turn pages and xeroxing too. Paper used is of high quality. The colour of paper used in two parts are of two different colour; first part is in white paper and second part is in totally red colour.

**[UNIVERSITY OF BOMBAY DEPARTMENT OF CHEMICAL
TECHNOLOGY (UDCT), MATUNGA, BOMBAY - 05/KIR/67070]**

Hackh's Chemical Dictionary: American and British Usage.- 4th rev. & ed.- by Julius Grant.- New York: McGraw Hill Book Company, 1972 (xi,738p.)

Editor and completely revisor of this dictionary is reputed, qualified and experienced person. He also has written other many reputed books like Science for the Prosecution, Laboratory Handbook of Pulp and Paper Manufacture, etc. Publisher of this dictionary is also reputed publisher of the world. This publisher has branches in many main places of the world. This dictionary is fourth completely revised edition, therefore word of new organic compounds is also included in this edition.

The purpose of this dictionary is to include related words of science as well as chemistry. Such as chemical words of American and British and many words or terms used in Physics, Astrophysics, Mineralogy, Pharmacy, etc. Which are based on recent chemical literature. Biographies are also found in this dictionary, such as Frankland, Sir Edwards (1825-1899)= British Chemist noted for research on Organometallic compounds, valency, water supply, etc.(p.280)

In this dictionary table, formula, etc. of elements, compounds, preparation such as germicides insecticides, detergent, plastics and agricultural chemicals call for similar discretionary treatment.

This dictionary is arranged according of words. Cross references are also found in this dictionary e.g. acaricide= A mite killer, cf. insecticides, p.4.

This dictionary is single volume, hardbound, paper used in dictionary is of fine quality and easy to turn paper and easy to xeroxing. Illustrations like table, figures are also given in text.

Product names, trademarks, etc. are also given in this dictionary. Abbreviation is also given, such as ACP=Calcium Acid Phosphate(p.14), Synonyms are also given in each definition. American and British words are also listed, such as "Sulfur" and Sulphur. Data, composition is also given in dictionary.

This dictionary is based on recent chemical literature.

[TRIBHUVAN UNIVERSITY CENTRAL LIBRARY (TUCL), NEPAL
-R540.3/H155h/70162]

Brockhaus ABC Biochemie [Concise Encyclopaedia of Biochemistry].- ed. by H.D. Jakubke and H. Jeschkeit.- Transl., rev., and enlarged by Thomas Scott and Mary Brewer.- Berlin; New York: de Gruyter, 1983 (522p., ISBN: 3-11-007860-0)

Both the editors of this book are wellknown and qualified persons of Germany. They are related in respective field and translators, reviser and enlarger of this book are also renowned persons. They are related in respective field and involve in Department of Bio-chemistry of University of Leeds, England. Publisher also world renowned. This book is based on second German edition of book title Brockhaus ABC Biochemie, 1981, with updating of existing entries and the introduction of new materials.

This encyclopaedia deals with terms of Biochemistry.

This encyclopaedias is useful for biochemist and other persons of the related field.

Arrangement of this book is in alphabetical order. The main entry is given in boldface followed by synonyms in bold italics. Cross reference is also given, such as "see" e.g. Acceptor RNA=see Transfer RNA etc.

This book's format is hardbound, small pocket book size, so easy to carry. Illustrations given in this book are directly related to the text.

Abbreviation are used and also explained in this book, e.g. abb=adenine, b.p.=boilingpoint, etc.

**[SHREEMATI NATHIBAI DAMODAR THACKERSEY WOMEN'S
UNIVERSITY (SNDT), BOMBAY- 574.19203/C.E.B./90946]**

Concise Encyclopaedia of Chemical Technology.- by Raymond Kirk and Donald F. Othmer.- New York, A Wiley-Interscience Publication, 1985. (xxxii,1318p. ISBN: 0-471-86977-5)

Compiler and editorial staffs of this concise encyclopaedia's are qualified and they all are belonging in world reputed institutions, universities, etc. such as Polytechnic Institute of New York, University of Michigan, University of California, etc. Contributors and reviewers of this encyclopaedia are also related to reputed universities and institution, such as Michael M. Abott is related to Rensselaer Polytechnic Institution, Norman C. Abler is related to Borg Textile Corporation. Publisher also world renowned.

This encyclopaedia is based on 24 main volumes and the supplement volume of world renowned third edition of the "KIRK-OTHMER ENCYCLOPAEDIA OF CHEMICAL TECHNOLOGY." Articles of this encyclopaedia are condensed by professional science writers and reviewed all these articles by their original authors and their colleagues for accuracy.

This encyclopaedia covers every important industrial sector, such as agricultural chemicals, chemical engineering, composite materials, drugs, etc.

This concise encyclopaedia is prepared skillfully by giving key data tables, and factual matter of the original. This encyclopaedia was designed to serve as a ready reference guide for students, scientists, engineers and chemical technologists and all those persons who are involved in chemical technology.

Arrangement of this encyclopaedia is in alphabetical order according to chemical name, index also gives, see and see also references, cross references are also given carefully in desired places, e.g. Antimalarials=see chemotherapeutics.

Single bulky volume, hardbound, easy in turning page. Paper used in book is fine quality. Illustrations like figures, tables given in this book are directly related to text.

Names of contributors and reviewers are given in preliminary pages. Conversion factor, abbreviations and unit symbols are also given in preliminary page.

**[UNIVERSITY OF BOMBAY DEPARTMENT OF CHEMICAL
TECHNOLOGY, MATUNGA, BOMBAY - 05/KIR/67070]**

The Encyclopaedia of the Chemical Elements.- ed.by Clifford A. Hampel.- New York, Reinhold Book Corporation, 1968. (viii, 849p.)

Editor & 104 contributors of this encyclopaedia are reputed and qualified persons. All they are related in renowned institutions, such as Development and Research Department, International Nickel Company of New York, Kansas State University, etc. Publisher of this encyclopaedia also experienced and qualified.

The purpose of this encyclopaedia is to present information on the nature, properties and behaviour of each of the 103 elements of the inorganic chemistry in a concise and authoritative manner. This encyclopaedia includes material on the discovery and history of each elements, its prevalence, sources, derivation, physical properties, importance of the elements and compounds, application of the elements, etc.

This encyclopaedia has been arranged according to alphabetical order of the name of elements. The length of the articles range is 1400 to 7000 words. References are also given in end of every elements.

This encyclopaedia is single volume, hard bound. Paper used in encyclopaedia is fine. Illustration like tables, figures, etc. are given in encyclopaedia are directly related to the text.

[TRIBHUVAN UNIVERSITY CENTRAL LIBRARY (TUCL), NEPAL -
R546.1103/EN19/55683]

The Encyclopedia of Chemistry.- ed.by Clifford A. Hampel & other.- 3rd ed.- New York, Van Nostrand Reinhold Company, 1973 (xxiii,1198p. ISBN: 0-442-23095-8)

Editors of this encyclopedia are qualified and experienced and involved in reputed institution, and they also have edited many books, such as The Encyclopedia of the Chemical Elements, Condensed Chemical Dictionary, etc. Almost 600 contributors of this encyclopaedia are related in renowned institutions.

The primary function of this encyclopedia is to introduce chemistry subjects and its vast factors. So it covers all the branches of chemistry.

The plan of this encyclopedia is to meet the needs of students, intelligent, laymen and experts outside their own fields of specialization by communicating, is an irreducible minimum of words, the living, ever-changing habiliments of one of the greatest areas of organised knowledge.

This encyclopedia is arranged according to alphabetical order, topics are brief and article type. References are also given in every article. Cross references are also found in most of the article, e.g. Diamond Synthesis, films etc.

This encyclopedia is single volume, hardbound, paper used in book is of fine quality, easy to turn and easy in xeroxing. Illustrations like figure, table etc. are also given in text, which are related in topics.

This encyclopedia has almost 600 contributors and this encyclopedia also gives indexes.

Up to date representation of the chemistry of its era and timeliness. Expansion, change and new discoveries are also included according to change of time, such as environmental chemistry, chemistry of life process, articles on aerosols, Bio-materials, etc.

[TRIBHUVAN UNIVERSITY CENTRAL LIBRARY (TUCL), NEPAL -
R540.3/En19e/59971]

Encyclopaedia of Composite Materials and Components.- ed. by Martin Grayson.-
Encyclopaedia Reprint Series.- New York, A Wiley-Interscience Publication, 1983.
(1161p.)

Executive editor and assistant editor of this book is a renowned and qualified person in this field as well as 75 leading authorities from reputed industries, universities and research institute. Publisher also world famous publisher. This book is based on world renowned Kirk-Othmer Encyclopaedia of Chemical Technology.

This book coverage every aspects of composites and provide detailed information on method of manufacture, properties and uses of composite and their components.

This book is useful to all those who are engaged in the manufacture and this book is also useful to teachers and students.

Arrangement of this book is in a alphabetical order with Cross references.

This book is in hard bound form, paper is of fine quality, easy to turn page and easy in xeroxing. Illustrations like figures and diagrams given in this book are directly related to text.

**[UNIVERSITY OF BOMBAY DEPARTMENT OF CHEMICAL
TECHNOLOGY, (UDCT), Matunga, Bombay - RR 05/GRA/54279]**

McGraw Hill Encyclopaedia of Chemistry.- ed.by Sabil P. Parker.- 5th ed.- New York, McGraw Hill Book Company, 1983. (viii, 1195p., ISBN: 0-07-045484-1)

Editor in chief and consulting editors of this encyclopaedia are well known authorities and publisher of this encyclopaedia is also reputed and experienced publisher of the world as well as more than 2500 specialists have contributed to this encyclopaedia, which includes a number of Nobel Prize winner based on science and technology.

This encyclopaedia covers not only fundamental principles of chemistry but also covers relevant topics in physics that are essential for understanding of modern chemistry. Each article of this encyclopaedia begins with a definition and presents a complete yet concise explanation and this encyclopaedia surveys the 800 articles including stereo-chemistry, Activation, Analysis, Polymer etc. Bibliography also found in some articles.

This encyclopaedia is useful for the chemist and other scientists, students, librarians, science writer and anyone else needing basic information about the chemistry.

Arrangement of this encyclopaedia is alphabetical order. Cross reference is also given in end of sub headings. Index is given in p.1173-1195.

This encyclopaedia is single volume, hard bound, paper used in encyclopaedia is fine quality, easy to turn page and xeroxing. The scientific illustrations are clear, well presented and direct relate to context.

Names of the contributors are given in p.1163 to 1170. Each article of this encyclopaedia begins with a definition and presents a complete and concise explanation of the subject in simple language without omitting important technical information.

This encyclopaedia have been publishing every year so it includes up to date and revised information.

TRIBHUVAN UNIVERSITY CENTRAL LIBRARY (TUCL), NEPAL -
R540.3/M178/887521

Advances in Physical Organic Chemistry Vol. 18.- ed.by V. Gold and D. Bethell.-
London: Academic Press, 1982(annual) (vii, 261p. ISBN: 0-12-033518-12)

All the editors and contributors of this volume are qualified and reputed persons. They are associated with reputed institutions such as University of London, University of Liverpool, University of Lund, etc. Publisher of this volume is also experienced publisher of the London and its branches in most of the part of the world and published many distinguished publications too.

This volume covers subject on physical organic chemistry and its related topics such as Enolisation of simple carbonyl compounds and reactions, Electron-transfer reaction in organic chemistry and chemi luminescence of organic compounds. Every year one volume of Advances in Physical organic chemistry is published with current topics.

In this volume's topics is descriptive and introductive with experimental tests, concluding remarks with illustrations are given. This volume is useful for scientists, students, etc.

Arrangement according to articles, acknowledgement and references are also given in end of the topics.

Every year one volume is printout, hardbound, high quality's paper is used. Illustration like figure and table is given in all topics which are directly related to topics.

Author Index, cumulative index of authors and titles are also given in the end of the book.

[TRIBHUVAN UNIVERSITY CENTRAL LIBRARY (TUCL), NEPAL -
R547.1/Ad95/87339]

Advances in Quantum Chemistry Vol. 16.- ed.by Per-olv Lowdin.- New York: Academic Press, 1982(annual) (x,285p. ISBN: 0-12-034816-0)

Editor of this work is qualified, experienced and he is involved in many renowned universities and institutions, such as Uppsala University, Quantum Theory Project, University of Florida, etc. Publisher also renowned publisher of the New York and this publisher have publish many renowned books. This volume is specially related in "Quantum Chemistry."

Main purpose of this book is to present a survey of the current development of quantum chemistry in various countries of the world. Published every year, a volume of this work is also related to recent topics.

The treatment of this book is collect reputed person's articles and to inform the related person. This book is useful for research workers as well as scientists in neighboring fields of physics, chemistry and biology, etc.

Arrangement in this book is according to survey report wise. Indexes also given in this book.

This book is hardbound, paper is of high quality, easy to turn page and easy to turn for xeroxing. Illustrations are also found in every survey article.

Contributors name is also given in before the text. Acknowledgement and references also given in end of every survey report.

[TRIBHUVAN UNIVERSITY CENTRAL LIBRARY (TUCL), NEPAL -
R541.39/Ad95/91316]

Annual Review of Physical Chemistry.- ed.by B.S. Rabinovitch & others.- California:
Annual Review Inc, 1980. Vol. 31 (annual) (675p. ISBN: 0-8243-1031-4)

All the editor and associate editors of this review are experienced and qualified and they are related in University of Washington and University of California. Publishers of this review is experienced and well known publisher of the U.S.A. Main auspices of this review is to promote the advancement of the science. Beginning in 1932 with the Annual Review of Bio-chemistry.

The purpose of this volume is to present new information on physical chemistry, its activities in diverse newer branches of the field has been matched by a resurgence of interest in some of the more traditional areas.

This review is useful for scholars, researchers and other specific clients.

This review is arranged according to analytical article. Author, subject, cumulative indexes of Vol. 27-31 is also given in this review and chapter titles of Volume 27-31 also given in this review.

This annual review is hardbound, paper is of fine quality, easy to turn page and easy in xeroxing. Illustration like figure is also given in this review and these figures are directly related to articles.

Acknowledgements are given in end of the every articles and literature cited is also given in end of the every articles.

[TRIBHUVAN UNIVERSITY CENTRAL LIBRARY (TUCL), NEPAL -

R541/An78/87342]

Inorganic Syntheses, Vol. 27.- by Alvin P. Ginsberg.- New York: A Wiley-Interscience Publication John Wiley & Sons, 1990 (annual). (xxv, 433p. ISBN: 0-471-50976-0)

Editor & all the members of Board and Associate of this syntheses are well known and qualified persons and authors of this volumes are also qualified and affiliated to Iowa State University, University of Virginia, etc. Publisher of this synthesis also renowned publisher of the world. In this volume contains over 200 synthesis and all of the chapters contains important and timely compounds.

The purpose of the this series is to give information about synthesise of inorganic compounds. This volume coverage Inorganic Synthesis e.g. Transition Metal Polyhydride complexes, Transition Metal Chalcogenide, etc. Published year-wise a volume so Inorganic Synthesis are up to date and reliable. References are given in the end of every chapter.

This volume has mention procedure, properties, formula, etc. of Inorganic Synthesis and this volume is useful to all the related persons.

This volume is arranged according to chapter wise.

This volume is hardbound, paper used in book is of high quality, easy to turn page and xeroxing.

Sources of chemicals and equipment, Index of contributors, subject and formula index also given in this volume.

All chapters contain important and timely compounds.

[TRIBHUVAN UNIVERSITY CENTRAL LIBRARY (TUCL), NEPAL -
R546.15/In7/104694]

Physical Chemistry: an advanced Treatise, Vol. VI A/VI B.- ed.by Wilhelm Jost.- New York: Academic Press, 1975. (annual)

Editor of these both volume's editor is qualified and related in Institute Fur Physikalische, Chemie der Unversitat, Germany. Main Publisher of this Treatise is also well known and renowned publisher of the USA and many places its regional offices, such as London, Sanfrancisco, etc.

The purpose of this treatise, this volume's both parts is to present a comprehensive treatment of physical chemistry. Topics covered in both these parts are Elastic and Reactive Scattering of Ions on Molecules, Collision processes, Theory of Elastic scattering, Atom Reactions, etc. of the Kinetics of Gas Reaction of Physical Chemistry. All these chapter is recent.

The treatment of this Treatise in these volumes are of advanced level. However elementary theory and facts have not been excluded but presented in a concise from with emphasis on laws which have general importance. These volumes are useful for advance level students.

Arrangement of this volumes are chapter wise first i.e. volume VIA has chapter 1 to 6 and volume VIB has chapter 7 to 12. References are also given in end of every chapter and author index, subject index is also given in this volumes.

Both these volumes are of same size i.e. 24 cm. each, hardbound, paper used is of fine quality, easy to turn page. Illustrations such as figure, table is direct related to text.

This work has been published in two parts. One part has been published in 1974 and another part is in 1975. Both parts have contents of previous and future volumes.

This treatise has been publishing every year, so recent information on related descipline is covered.

[TRIBHUVAN UNIVERSITY CENTRAL LIBRARY (TUCL), NEPAL -
R541/Ey67p/62367 & 62971]

Progress in Inorganic Chemistry, Vol. 28.- ed.by Lippard, Stephen J.- New York: An Interscience Publication, John Wiley & Sons, 1981 (annual). (V,463p. ISBN: 0-471-08310-0)

Editors and members of the advisory board of this book are qualified and experienced persons and they all are affiliated to reputed universities and colleges, such as Columbia University, University of Illinois, etc. Publishers and authors of this book are also well known, experienced, such as authors of article of this book are affiliated in Department of Chemistry, Stanford University, North East London Polytechnic, etc.

This book covers subject Progress of Inorganic Chemistry and its related discipline such as "Heterolytic activation of Hydrogen", Chlorotris sodium its chemical and catalytic reactions, Metal Carbide Clusters, The Coordination Chemistry of Tungsten, etc.

All the information is given in its introduction, activation complexes, formula, etc.

Arrangement of the book is according to topicwise.

This series published a volume every year, hardbound, paper used in book is of high quality. Easy to turn page. Illustrations are also given in some topics and these are direct related to topics.

Acknowledgement is given in every articles as well as references also given at the end of every article. Subject, cumulative index also found in this book.

Publish one volume every year so all the topics and articles of this book are related to current subjects.

**[TRIBHUVAN UNIVERSITY CENTRAL LIBRARY (TUCL), NEPAL -
R546/P943/87099]**

CRC Handbook of Chemistry and Physics: a ready reference book of Chemical and Physical Data 1978-1979.- ed.by Robert C. Weast.- 59th ed.- Florida: CRC Press Inc., 1978. (P A-1 to I57, ISBN:0-84930549--8)

Editor and associate editor of this handbook is qualified, experienced and involved in many reputed institutes, as well as publisher is also renowned publisher of the USA. This publisher has published other many famous books too, such as CRC Handbook Series in Zoonoses, CRC Handbook of Biochemistry, etc. This handbook is revised annually so each edition incorporating new materials and new tables.

The main purpose of this handbook is to present up to date information in the field of chemistry and physics. The coverage of this handbook is mathematical tables, elements and inorganic and organic compounds, etc.

This handbook is arranged according to subject. Indexes are also given in text.

This handbook is single heavy volume, hardbound, paper use in this handbook is of fine quality, page is easy to turn and xeroxing. Figure given in handbook is related to topics. References are also given in some chapter.

This handbook has good selection on mathematical table, morethan 40000 entries in table. Revised almost annually, each edition incorporating new materials and new tables.

[TRIBHUVAN UNIVERSITY CENTRAL LIBRARY, NEPAL -
R541.02/H192/71799]

Handbook of Analytical Chemistry.- by Ju Lurie.- tr.by Nicholas Bobrov.- Moscow:
Mir Publishers, 1978. (488p)

Author and publisher of this handbook is renowned person and publisher of the Moscow.

This handbook covers various problems both calculating and experimental of concerning general chemistry, analytical chemistry, chemical technology, etc. The tables of solubility products of ionization constants of weak acids and bases and of oxidation-reduction potentials have been drawn up according to recent data.

This handbook treats by giving tables, figures with all numerical values, division, result analysis, etc. and this handbook is useful for scientific workers, students of chemistry, as well as it can be used in solving various problems of chemistry.

This handbook is arranged according to tablewise. This handbook has total 59 tables. Figure given in this handbook is directly related to text. Appendices and Indexes is also given in this handbook.

This handbook is single volume, hardbound, paper quality of this handbook is of fine quality, easy to turn page and xeroxing.

TRIBHUVAN UNIVERSITY CENTRAL LIBRARY, NEPAL -
R543.02/L974n/82404]

NMR Band Handbook/by Herman A. Szymanski and Robert E. Yelin.- New York: IFI/PLENUM, 1968 (xiv,432p.)

Both the authors of this handbook are qualified and they belong to Department of Chemistry, Canisius College, New York and publisher also renowned publisher of New York. Main Genealogy of this handbook is NMR Spectrometers.

The purpose of this handbook is to collect data of some 4800 shifts from spectra of about 1200 compounds on subject of NMR spectrometers.

Arrangement of this handbook is according to numerical order and each entry consist the protoncode, the spectral data, the structural formula, the molecular formula, the solvent, the source. Index of molecular formulas, shift index also given in this handbook.

This book is single volume, hardbound, paper used in book is of fine quality, easy to xeroxing and turn page.

[TRIBHUVAN UNIVERSITY CENTRAL LIBRARY, NEPAL -

R544.6/Sz93n/71996]

Comprehensive Organic Chemistry; the Synthesis and Reactions of Organic Compounds. - ed. by J.F. Stoddart. - Oxford: Pergamon Press, 1979. Vol. 1-6 (ISBN:(Set) 0-08-021319-7)

Both the editors of this book are involved in renowned university such as The University of Sheffield. Chairman and deputy Chairman and editors of this comprehensive work are Qualified and experienced persons and they are consulted at University of Sheffield. The Publisher of this book Pergamon Press is also reputed publisher.

The main purpose of this set is to present development of organic chemistry and different volumes cover different topics of organic Chemistry, such as Vol.1 cover Stereochemistry, Hydrocarbons, Halo compounds, oxygen compounds, volume two Nitrogen compounds, Carboxylic Acids, Phosphorus compounds, volume three Sulphur, Selenium, Silicon, boron, organometallic compounds, volume four Heterocyclic compounds and volume five Biological compounds. All the topics presented in this comprehensive work are modern and recent.

The treatment of this set is to recognise synthesis and reactions of organic compounds of organic Chemistry by giving theory with comprehensible in an abbreviated form and the contents of each volume have been brought together so as to reflect what are judged to be the truly important facets of Organic Chemistry. Information is presented in a concise and logical manner with mechanistic organic Chemistry being adopted to provide a constant and correlative theme. This set is useful for Chemists.

In this set arrangement is chapter wise. References are given in every chapter. Indexes such as Formula Index, Subject Index, Author Index, Reaction Index, Regent Index are given in volume six separately.

This comprehensive work is in six volumes, hardbound, paper used in all the volumes is of high quality, easy to turn and xeroxing all the volume. Illustrations given in this work are directly related to topics.

[TRIBHUVAN UNIVERSITY CENTRAL LIBRARY, NEPAL -
R547/C738/77445 to 77450]

Advances in Organometallic Chemistry, Vol. 19.- ed.by F.G.A. Stone & West Robert.- New York: Academic Press, 1981. (ix, 318p ISBN: 0-12-031119-4)

Both the editors of this book are involved in renowned university such as The University of Bristol and University of Wisconsin, Madison. Publishers are also renowned and experienced publishers of the world, this publisher publishes many renowned publications and this publisher have branches in main parts of the world.

Treatment is according to giving introduction with experimental aspects, theoretical background, formula, preparation, etc. and this book is specially useful for scientists. This book deals with chemistry of Titanocene and zirconocene, photochemistry of organopolysilanes, etc.

Arrangement of this book is according to article wise. References are given at the end of every articles.

This book is hard bound, easy to turn paper for xeroxing, paper used in books is of high quality. Illustrations like figures are also given in books which are related to topics.

Cumulative list of titles also given in this book.

All the articles and materials are up to date and recent because of this publication is published serieswise.

[TRIBHUVAN UNIVERSITY CENTRAL LIBRARY, NEPAL -

R547.4/Ad95/82715]

Organoboron Chemistry.- by Howard Steinberg and other.- New York: Interscience Publishers, 1964(3 vols.). (xxxii, 950p.)

Both of author or compiler of this series is qualified and renowned and they are related in US Borox Research Corporation. Publisher of this book also experienced and renowned and a division of renowned New York's publisher's John Wiley & Sons Inc. This series is based on rapidly growing literature dealing with the organic chemistry.

The purpose of these series is to correlate the voluminous and rapidly growing literature of chemistry scope of the series is general and the nature and nomenclature of the compounds etc. Subject coverage is type of compounds. Such as 1st volume cover Boron-oxygen and Boron-Sulfur Compounds, 2nd volume cover Boron-Nitrogen and Boron-phosphorus compounds and 3rd volume coverage Boron-Carbon Compounds.

Treatment of this book is by giving detailed information about related subject. Such as introduction, historical, properties, etc. in every subject. This series is useful for those persons who are involved in chemistry and related fields.

The arrangement of this book is according to chapterwise. Topics are concise and clear, and valuable. References are given in end of every topics, author, subject indexes is also given in this series.

All the three volumes are hard bound, paper is of high quality, easy to turn paper and easy in xeroxing. Illustrations such as figures, tables, etc. are given in series are directly related in topics.

[TRIBHUVAN UNIVERSITY CENTRAL LIBRARY, NEPAL -
R547.45/Or31/74301 - 74303]

Progress in Stereochemistry, Vol.4.- ed.by B. J. Aylett and Margaret M. Harris.- New York: Plenum Press, 1969. (vii, 389p. ISBN: 408 319100)

Both the editors of this book are renowned and qualified persons and they are connected with chemistry department of Westfield College and Bedford College of London and both are Ph. D. Publisher also renowned publisher of New York. This book is based on first three volumes of this series such as wide stereo chemical field. But changing aspect also included in this volume by using and studied by diffraction techniques using x-rays, electrons and by spectroscopic methods etc.

The treatment of this book is by giving introduction, configuration, figure, formula, value, etc. of related topics and this volume is useful to all specialists, who are involved in stereochemical field.

Arrangement of this book is according to articles, and topics are given in well format. Acknowledgement and references are also given at the end of every article.

This book is hard bound, paper used in book is of high quality, easy to turn page for xeroxing. Illustrations and tables are also given inmost of the articles which are directly related to topics.

Serieswise a volume is published from time to time with current related research articles.

[TRIBHUVAN UNIVERSITY CENTRAL LIBRARY, NEPAL -

R547.16/P943/78885]

Editor in chief, Managing editor and all the members of the editorial advisory board of this Formulary are qualified and renowned persons of India.

Main purpose of this formulary is to highlight and to give knowledge about latest development of drug industry as well as to give knowledge about Pharmacology, Posology, toxicity, side effects and Storage Conditions applicable etc. to the student of Pharmacy, Nursing and Medicine. This formulary covers almost drugs, medicines and their formulations manufactured by various drug firms of India. This formulary lists products marketed by most of the pharmaceutical manufacturers of India. It gives description of the products, contains its name, composition, pharmacology, therapeutic properties, uses, dosages, storage condition and packaging information, etc.

This formulary is divided in to 11 sections i.e. 1st section deal general information about previous edition, 2nd section deal in important drug policies of Government of India, 3rd section deal in text of formulations and commonly used general drugs, 4th section have Index according to company name, product name and therapeutic Indicationswise, 5th section deal in Drug Intersections, 6th section deals in Important Herbal Drugs, 7th section deals in advertised formulations, 8th section deal in major exporters, 9th section deal in major packing material suppliers, 10th section deal in major machinery suppliers and 11th section deal about major raw material suppliers. This formulary is useful for all those person who are involved in medical care as well as pharmaceutical companies, teachers and students of medical, pharmacy and nursing and it is also useful for general libraries etc.

This formulary is arranged according to alphabetical order according to name of the company. It also contains three alphabetical indexes, such as name of the manufacturer, productwise with name of the manufacturer in brackets and therapeutic properties of the products.

It is single handy volume, hardbound, easy in turning page, paper used in book is of fine quality. Description is given in column wise, some section have three column and some have two column only. Illustration like table is also given in some section which are directly related to context.

This Formulary is published regularly since 1976 so up to date information is included in its every new edition.

LIWAHARLAL NEHRU LIBRARY, UNIVERSITY OF BOMBAY,

VIDYANAGARI, SANTACRUZ(EAST), BOMBAY -

615.13(54)/CMFI/KS4670]

The Merck Index: An Encyclopaedia of Chemicals, Drugs, and Biologicals.- ed. by Susan Budavari.- 11th ed.- Rahway: Merck & Co, 1989. (xix, 2300p. ISBN: 911910-28-x)

Editor, associate editor, assistant editor and editorial assistant of this Index are qualified and renowned persons, and they are related in renowned institution, such as Merck Sharp and Dohme Research Laboratories, New Jersey and publishers are renowned publishers of USA.

This eleventh edition is intended to continue the tradition of serving chemist, pharmacists, physicians and others in allied profession. It serves them as a handy one volume compendium of information on the most important chemicals, drugs, etc. This index covers more than 10000 concise descriptions of significant chemicals, drugs and biological substances included in the monograph section. The index has 600 monographs. This Index is published every seven to eight years so the editorial staff has sought the means to bring new information.

Every effort has been made to critically select the entries of sustained interest from editions and to add the most significant compounds that have emerged since publication of the 10th edition in 1983. This Index is especially useful for researchers, chemists, pharmacists, physicians, etc.

This index is arranged according to alphabetical order of title of monographs. This Index also have activity index, formula index, cross index of names etc. in its Therapeutic category and Biological heading.

This Index is single heavy volume, easy to turn page and xeroxing but heavy in weight, paper used in index is of high quality. Illustrations like table and figures are clear and directly related to the text.

Backside of cover page have "Periodic Chart of Elements", This index also has "Explanatory Notes" and Abbreviations and selected definitions too which are given before the text, and in the end of the this index, also has few blank (plain) paper for notes.

**[JAWAHARLAL NEHRU LIBRARY, UNIVERSITY OF BOMBAY,
VIDYUANAGARI, SANTACRUZ(EAST) - R547.003/D.O.C./KS5881]**

The United States Pharmacopodia; The National Formulary.- Asian edition.- Rockville:
United States Pharmacopeial Convention, 1994

This Formulary is compiled by the committee of revision and published by the board of trustees of United States Pharmacopeial Convention, Inc. All the members of the committee and trustees are experienced and qualified persons and they are associated with reputed institutions of USA.

This volume contains thousands of revised tests and assays consistent with the resolution on international harmonization adopted by the pharmacopeial convention in 1990. This volume contains 3410 monographs and 147 general chapters. There are 336 new monographs, 320 USP (United States Pharmacopeia) and 16 NG (National Formulary) and 15 new general chapters. Most notable contents is new section of Nutritional supplements.

This formulary's first chapter covers official monographs for USP and other general chapter cover general tests and assays with deals requirements for tests and assays, apparatus for tests and assays, microbiological tests, chemical tests and assays etc.

Arrangement of this formulary is in alphabetical order according to name of compounds. Reference table, nutritional supplements and combined index also given in alphabetical order.

Hardbound, handy volume but heavy single volume, easy to turn page and quality of paper also high. Illustration like figure of this formulary is directly related to text.

Graphic computer generated formula is distinctive feature of this formulary.

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APPENDIXES

- I LIST OF LIBRARIES VISITED
- II TITLE INDEX OF THE REFERENCE
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APPENDIX III

LIST OF LIBRARIES VISITED

S.N.	NAME OF THE LIBRARY & ADDRESS	NAME OF LIBRARIAN	PHONE NO.	FAX NO.
1.	JAWAHARLAL NEHRU LIBRARY, UNIVERSITY OF BOMBAY, VIDYANAGARI, SANTACRUZ(EAST), BOMBAY-400 098, INDIA	PROF. S. R. GANAPULE	6183201	
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3.	TRIBHUVAN UNIVERSITY CENTRAL LIBRARY (TUCL), KIRTIPUR, KATHMANDU, NEPAL	MR. KRISHNA MANI BHANDARY	212834	977-1-226964
4.	UNIVERSITY OF BOMBAY DEPARTMENT OF CHEMICAL TECHNOLOGY (UDCT), MATUNGA ROAD, BOMBAY-400 019, INDIA.	MR. P. B. DHUMAL	4145616	

APPENDIX I

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