

• First Glances at New Books

Additional Reviews
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Physiology

INSULIN: ITS CHEMISTRY AND PHYSIOLOGY—Hans F. Jensen—*Commonwealth*, 252 p., \$2. This monograph, consisting of a "comprehensive review of the latest developments in the chemical and physiological investigations of insulin," will be valuable to other investigators in this field and to medical scientists generally who wish to keep their knowledge of the subject up-to-date but lack the time to read the vast numbers of published reports.

Science News Letter, December 17, 1938

Physics

COLOR AND COLORS—Matthew Luckiesh—*Van Nostrand*, 205 p., \$3. Colors and how to use them, are described in this interesting text by a recognized expert in the field of light.

Science News Letter, December 17, 1938

Chemistry

AN INTRODUCTION TO INDUSTRIAL RHEOLOGY—G. W. Scott Blair—*Blakiston's*, 143 p., \$2.25. Rheology, the science of plastic flow which governs the behavior of such widely divergent things as road foundations, the new plastic materials and glass, or ice cream mixes and the clay of pottery, is a subject which—by self-confession—badly needs to have its story told to the layman. This book of British origin will help in this direction somewhat, but it is primarily designed for the expert already in the field, or a scientist about to enter it.

Science News Letter, December 17, 1938

Engineering

ALL ABOUT SUBWAYS—Groff Conklin—*Messner*, 212 p., illus., \$2.50. If every person in New York City alone who has watched contractors building a subway were to buy this book, it would immediately be a best seller; for the topic is one with wide appeal. Here is a layman's book that tells all about it with a multitude of excellent pictures.

Science News Letter, December 17, 1938

Biography

I SWEAR BY APOLLO: A LIFE OF MEDICAL ADVENTURE—William E. Aughinbaugh—*Farrar & Rinehart*, 420 p., \$3. The author is a physician who has had an adventurous life and writes about it in a very entertaining fashion.

Science News Letter, December 17, 1938

Agriculture

BIBLIOGRAPHY ON SOIL EROSION AND SOIL AND WATER CONSERVATION—Stanley H. Gaines, Comp.—*Govt. Print.*

Off., 651 p., 60 c. An annotated bibliography arranged in sections, as Climate and Physiography, Flood Control, Gulches, etc. The recency and rapidity of development in the field of soil conservation is interestingly attested by the fact that few of the books and articles listed are more than five years old, and hardly any of them more than ten.

Science News Letter, December 17, 1938

Psychology

A LABORATORY MANUAL IN GENERAL EXPERIMENTAL PSYCHOLOGY—Norman L. Munn—*Prentice-Hall*, 286 p., \$1.90.

Science News Letter, December 17, 1938

Ornithology

BIRDS OF THE PACIFIC STATES (New printing)—Ralph Hoffmann—*Houghton Mifflin*, 353 p., \$3.50.

Science News Letter, December 17, 1938

Physics

INTRODUCTORY QUANTUM MECHANICS—Vladimir Rojansky—*Prentice-Hall*, 544 p., \$5.50. Text on quantum mechanics which is primarily for graduates and advanced undergraduate students.

Science News Letter, December 17, 1938

Chemistry

CHEMICAL TABLES FROM THE HANDBOOK OF CHEMISTRY AND PHYSICS—Charles D. Hodgman, ed.—*Chemical Rubber Co., of N. Y.*, 1383 p., \$2.50. The widely used Handbook of Chemistry and Physics has now become so large that the publishers have found it expedient to remove from it, and print separately, the tables of interest to chemists alone.

Science News Letter, December 17, 1938

Bibliography

DOCTORAL DISSERTATIONS ACCEPTED BY AMERICAN UNIVERSITIES 1937-1938—Donald B. Gilchrist, ed.—*Wilson*, 109 p., \$2.

Science News Letter, December 17, 1938

Engineering

A. S. T. M. STANDARDS ON COAL AND COKE—*American Society for Testing Materials*, 152 p., \$1.25.

Science News Letter, December 17, 1938

Crafts

MAKE IT YOURSELF—Julian Starr, Jr.,—*Whittlesey House*, 333 p., illus., \$2.50. Here is another of those books which all home basement carpenters will find valuable. Construction details of over 60 different things from false fireplaces to outdoor trellises are described with copious illustrations.

Science News Letter, December 17, 1938

Physiology

A DICTIONARY OF FOOD AND NUTRITION—Lulu G. Graves and Clarence Wilbur Taber—*Davis*, 423 p., \$3.50. Here is a book that should prove useful to large numbers of persons. Besides the definitions of various foods and of nutritional terms, there are tables on the digestibility of foods, temperatures for baking and for refrigeration, height and weight, nutritive values of foods, purins, body constituents, normal blood pressure, and many others. Members of the medical and allied professions will find it useful and so will housewives, for the definitions are not technical.

Science News Letter, December 17, 1938

Mathematics

FIGURING WITH GRAPHS AND SCALES—Herbert G. Smith—*Stanford Univ. Press*, 62 p., \$1. How to use graphs in the solution of many practical problems.

Science News Letter, December 17, 1938

Chemistry

THE TECHNOLOGY OF SOLVENTS—Otto Jordan—*Chemical Pub. Co., of N. Y.*—351 p., \$10. This book treats the subject of solvents most exhaustively from both the theoretical and practical points of view. Explicit detail is given for all cases.

Science News Letter, December 17, 1938

Forestry

THE NATION'S FORESTS—William Atherton Du Puy—*Macmillan*, 261 p., \$3. A popular book, excellently illustrated, telling of the forests America once had, of the fragments remaining, of means being used to protect, propagate, and utilize new ones.

Science News Letter, December 17, 1938

Zoology

ANIMAL LIFE IN FRESH WATER—Helen Mellanby—*Chem. Pub. Co. of N. Y.*, 296 p., \$3.50. A convenient-sized, cleanly-illustrated book about all the wriggling, swarming life of pond and stream, except vertebrates. Although written in and for Great Britain, there is so much general similarity among freshwater forms throughout temperate-zone lands that it will be useful on this side of the Atlantic also.

Science News Letter, December 17, 1938

Botany

AN INTRODUCTION TO BOTANY (2d ed.)—Arthur W. Haupt—*McGraw-Hill*, 396 p., \$3.

Science News Letter, December 17, 1938

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Physiology

MAN AND HIS BODY—Howard W. Haggard — *Harper*, 594 p., illus., \$4. Dr. Haggard's latest book can best be described as a non-technical text and reference book on physiology, health and disease for the intelligent layman. An interesting feature is the section on Principles of Medical Terminology which tells how to figure out the meaning of a word like myocarditis when you see it in the newspaper or hear a physician use it.

Science News Letter, December 17, 1938

Botany

THE STRUCTURE OF ECONOMIC PLANTS—Herman E. Hayward—*Macmillan*, 674 p., illus., \$4.90. What a plant will do depends in large measure on how it is constructed. Understanding of the anatomy of economic plants often supplies the clue for the solution of problems of improvement through genetics, control through physiology and ecology, or protection against diseases and insect pests. This book makes a direct approach, using a number of typical plants of economic importance as material.

Science News Letter, December 17, 1938

Agriculture—Economics

THE GERMAN FAT PLAN AND ITS ECONOMIC SETTING—Karl Brandt—*Food Research Institute*, 344 p., \$3. A detailed and scholarly examination of the facts and implications of the German effort to render the nation independent of foreign sources of edible and technical fats and to insure the position of the home fat-producing agricultural groups.

Science News Letter, December 17, 1938

Astronomy

STELLAR DYNAMICS—W. M. Smart—*Cambridge (Macmillan)*, 434 p., \$8.50. Advanced mathematics for the advanced astronomer. Strictly a text for the specialist in the field.

Science News Letter, December 17, 1938

Chemistry

THE MAKING AND MOLDING OF PLASTICS—L. M. T. Bell—*Chemical Pub. Co.*, 242 p., \$5. A book of British origin in which the history, present-day practice and the probable future developments of plastic molding are discussed.

Science News Letter, December 17, 1938

General Science

STORIES OF AMERICAN INDUSTRY, Second Series—U. S. Dept. of Commerce—*Govt. Print. Off.*, 150 p., 20 c. A reprint

of the long series of radio talks sponsored by the U. S. Department of Commerce over the last year. These are interesting summaries of the fields covered.

Science News Letter, December 17, 1938

Physics—Juvenile

THE WONDERS OF WATER—Marian E. Baer—*Farrar & Rinehart*, 122 p., illus., \$1.50. Children's book about the story of water which would be suitable reading in the elementary schools. Illustrations will catch young interest.

Science News Letter, December 17, 1938

Medicine

JACOB HENLE: ON MIASMATA AND CONTAGIA—George Rosen, translator—*Johns Hopkins*, 77 p., \$1. Here is a translation of the first presentation of the modern germ theory of disease, a theory which has been proved a fact in the 98 years since the work was published, and on which is based the present control of a wide range of serious communicable diseases. The translator's introduction gives the reader a good background for appreciating and understanding the text.

Science News Letter, December 17, 1938

Engineering

ENGINEERING APPLICATIONS OF AERIAL AND TERRESTRIAL PHOTOGRAMMETRY—B. B. Talley—*Pitman*, 612 p., illus., \$10. The hows, ways and whys of aerial mapping explained in full detail in what should be a reference book of the first rank.

Science News Letter, December 17, 1938

Medicine

OUR COMMON AILMENT—Constipation: Its Cause and Cure—Harold Aaron—*Dodge*, 192 p., \$1.50. Practical and sound advice is given by the medical consultant to Consumers Union of U. S. Inc.

Science News Letter, December 17, 1938

Chemistry

THIRD REPORT OF THE COMMITTEE ON PHOTOCHEMISTRY—*National Research Council*, 156 p., \$1.

Science News Letter, December 17, 1938

Biology

RÉSULTATS SCIENTIFIQUES DU VOYAGE AUX INDES ORIENTALES NÉERLANDAISES DE LL. AA. RR. LE PRINCE ET LA PRINCESSE LÉOPOLD DE BELGIQUE — *Musée Royal d'Histoire Naturelle de Belgique*. Vol. II, Fasc. 19, Prosobranchia et Opisthobranchia—W. Adam and E. Leloup, 209 p., illus., 8 pl.; Vol. III, Fasc. 18, Astéries et Ophiures—H. Engel, 31 p., illus., 4 pl.

Science News Letter, December 17, 1938

Anthropology

GENERAL ANTHROPOLOGY—Franz Boas, ed.—*Heath*, 718 p., illus., \$4. So large a subject is the study of man that Dr. Boas has thought it wise to produce a cooperative text book to which nine specialists, including himself, contribute chapters. The book includes not only physical anthropology but also a good deal of ethnology, folk lore, prehistoric archaeology and paleontology.

Science News Letter, December 17, 1938

Chemistry

THE CHEMISTRY OF THE AMINO ACIDS AND PROTEINS—Carl L. A. Schmidt, ed.—*Charles C. Thomas*, 1031 p., \$7.50. With the help of 15 outstanding specialists, Prof. Schmidt presents an almost encyclopedic treatise on this most important phase of biological chemistry. It will undoubtedly be one of the standard reference books in its field for years to come.

Science News Letter, December 17, 1938

Medicine

ALLERGIC DISEASES: THEIR DIAGNOSIS AND TREATMENT (5th ed.)—Ray M. Balyeat—*Davis*, 547 p., illus., \$6. A text intended for the general practitioner rather than the specialist, which covers the whole subject from the history of allergy and the hereditary factor to methods of diagnosis and treatment, including recipes for food sensitive patients.

Science News Letter, December 17, 1938

Hygiene—Juvenile

FUN AND HEALTH—Mary B. Greer—*Whitman*, 128 p., illus., \$1. Pictures and separate sets of directions for children and parents tell how to play the games which make up this book. The games are designed for children of varying ages, starting with the baby and games of the Pat-A-Cake type. The author is playground director at the Winnetka, Ill., Public Schools.

Science News Letter, December 17, 1938

Physics

PROPERTIES OF GLASS—George W. Morey—*Reinhold*, 561 p., \$12.50. As a member of the research staff of the Carnegie Institution of Washington, Dr. Morey knows, as few other men do, the basic physical and chemical properties of glass. This monograph represents work done in this field since 1924 by the author and his colleagues and correlates it with the important prior work of Schott and his collaborators.

Science News Letter, December 17, 1938