

• First Glances at New Books

Additional Reviews
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Chemistry and Physics

HANDBOOK OF CHEMISTRY AND PHYSICS: A READY REFERENCE BOOK OF CHEMICAL AND PHYSICAL DATA (22nd ed.)—Charles D. Hodgman, ed.—*Chemical Rubber Publishing Co.*, 2069 p., \$6, foreign, \$6.50. To students and scientists in physics and chemistry this handbook has almost reached the enviable prestige of simply becoming known as The Handbook. Numerous revisions have been made to bring the volume up to date. New arrangements of old material have allowed condensations of space that culminate in a total increase of only 50 pages.

Science News Letter, February 12, 1938

Radio

DICTIONARY OF RADIO TERMINOLOGY IN THE ENGLISH, GERMAN, FRENCH AND RUSSIAN LANGUAGES—A. S. Litvinenko; ed. by V. I. Bashenoff—*Bookniga Corp.*, 560 p., \$4. Printed in Moscow is this valuable reference work in the field of radio terminology.

Science News Letter, February 12, 1938

Television

TELEVISION ENGINEERING—J. C. Wilson—*Pitman Publishing Corporation*, 492 p., illus., \$10. A comprehensive survey of television engineering from simple questions of optics through to the complicated transmission problems of modern television. Written by a British member of the Columbia Broadcasting Company staff, Mr. Wilson's book has as one of its chief virtues the fact that it considers the development of television in all the chief centers, not only in one particular nation.

Science News Letter, February 12, 1938

Geology

LANDSLIDES AND RELATED PHENOMENA, A STUDY OF MASS-MOVEMENTS OF SOIL AND ROCK—C. F. Stewart Sharpe—*Columbia Univ. Press*, 137 p., \$3. A workmanlike technical presentation of a hitherto unclassified group of natural phenomena. Well indexed, with fair illustrations and excellent text, this book should be in every geological and geographical reference library.

Science News Letter, February 12, 1938

Geography

GEOGRAPHY FOR TODAY. BOOK II: THE SOUTHERN CONTINENTS — *Longmans, Green*, 404 p., illus., \$2. Australia, New Zealand, South Africa and South America, are clearly described in this well-illustrated textbook. Telling how these areas were discovered, in addition to

what is there today, this work should give the average student a good knowledge of the southern continents.

Science News Letter, February 12, 1938

Travel

THE LADY AND THE PANDA—Ruth Harkness—*Carrick and Evans*, 288 p., \$2.50. A "bring-back-alive" narrative that starts on the Roof of the World and ends in the suburbs of Chicago, with the principal characters one very determined and resourceful young woman and one very strange but very appealing young animal. Lots of striking pictures.

Science News Letter, February 12, 1938

Biochemistry

BIOLOGICAL AND CLINICAL CHEMISTRY—Matthew Steel—*Lea & Febiger*, 770 p., \$8. A new textbook with emphasis on the practical or clinical application of modern biochemical knowledge, the student learning various clinical tests by making them on himself.

Science News Letter, February 12, 1938

Nutrition

MODERN DIETARY TREATMENT—Margery Abrahams and Elsie M. Widdowson—*William Wood*, 328 p., \$3.25. A practical book designed to aid physicians, nurses and dietitians in planning special diets.

Science News Letter, February 12, 1938

Physiology

A MONOGRAPH ON VEINS—Kenneth J. Franklin—*Charles C. Thomas*, 410 p., illus., \$6. A technical book for physicians and other medical scientists. The author is tutor and lecturer in physiology at Oriel College, Oxford.

Science News Letter, February 12, 1938

Health—Advertising

POISONS, POTIONS AND PROFITS; THE ANTIDOTE TO RADIO ADVERTISING—Peter Morell—*Knight Publishers*, 292 p., \$2. Radio-advertised beauty and health products come in for stern criticism and debunking in this volume.

Science News Letter, February 12, 1938

Chemistry

VISUALIZED CHEMISTRY—William Lemkin—*Oxford Book Co.*, 328 p., Paper, 68 c., cloth \$1.12; school price, paper, 51 c., cloth, 84 c. Concise arrangement and excellent diagrams make this little text an admirable one for review in high school chemistry. However, it is not solely a review text for it fully meets College Entrance Examination Board requirements.

Science News Letter, February 12, 1938

Anthropology

SOURCE BOOK OF AFRICAN ANTHROPOLOGY—Wilfred D. Hamby—*Field Museum of Natural History*, 2 vols., 953 p., illus., \$6. per volume. Dr. Hamby had a big problem in cramming the most important facts about Africa into less than a thousand pages. The result is a remarkable "introductory textbook," intended to give students some idea of the geography, biology, history and ethnology of Africa, and fulfilling its purpose admirably. Bibliographies alone fill about 140 pages, and there are over 100 illustrations, maps, and tables.

Science News Letter, February 12, 1938

Medicine—Biography

HARLOW BROOKS, MAN AND DOCTOR—John J. Moorhead—*Harper*, 302 p., illus., \$3.50. Interesting not only because it relates the history of an eminent physician but also for the picture it gives of medical and non-medical life in New York from the gay nineties to the present time.

Science News Letter, February 12, 1938

Ichthyology

THE SMALL-MOUTHED BASS—Carl L. Hubbs and Reeve M. Bailey—*Cranbrook Inst. of Sci.*, 92 p., illus., 75 c. An account of a favorite game fish, intelligible to the average fisherman, yet containing plenty of information for the student and field naturalist.

Science News Letter, February 12, 1938

Psychology

PERSONALITY, A PSYCHOLOGICAL INTERPRETATION—Gordon W. Allport—*Holt*, 588 p., \$3.50. This is a textbook discussing the development, structure, analysis, and understanding of personality by an associate professor of psychology at Harvard University.

Science News Letter, February 12, 1938

Social Science—Education

SOCIAL STUDY IN THE ELEMENTARY SCHOOL—John Schwarz—*Prentice-Hall*, 215 p., \$2.25. A book for teachers from the State University, Bowling Green, Ohio.

Science News Letter, February 12, 1938

Physiology

HEALTH (3d ed.)—C. E. Turner and Georgie B. Collins—*Heath*, 231 p., illus., 72 c.

Science News Letter, February 12, 1938

Physiology

CLEANLINESS AND HEALTH (3d ed.)—C. E. Turner and Georgie B. Collins—*Heath*, 236 p., illus., 80 c.

Science News Letter, February 12, 1938

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Paleontology

LIFE LONG AGO: THE STORY OF FOSSILS—Carroll Lane Fenton—*Reynal & Hitchcock*, 287 p., illus., \$3.50. Dr. Fenton is a paleontologist with imagination plus artistic ability. He presents us here with a book of which he has not only written the highly readable text but for which he has made all the very lively line drawings. The result is just about the best popular paleontology volume now in the field. Although it was prepared with a junior audience particularly in mind, it is certain that Junior's parents will not let the younger generation have a monopoly of such a good thing.

Science News Letter, February 12, 1938

Physics

LOW TEMPERATURE PHYSICS—M. and B. Ruhemann—*Cambridge (Macmillan)*, 313 p., \$5. An excellent book, written for the professional physicist who is not an expert in the field of low temperature, and for students of physics who have not yet concentrated on one particular branch of study. For other scientists the book has interest because it comes from the new laboratory of the U.S.S.R. headed by Prof. Kapitza. Material thus appears which is not easily available in the literature. The extensive bibliography, which brings readers up to May 1937, is valuable for its wide coverage of the Russian references.

Science News Letter, February 12, 1938

Photography

U. S. CAMERA, 1937—T. J. Maloney—*William Morrow*, 226 p., \$2.90. A selected group of contemporary photographs together with a few of historic interest. Several color photographs are included. A ring binder facilitates study of the pictures.

Science News Letter, February 12, 1938

Geography

ECONOMIC GEOGRAPHY MANUAL—Nels A. Bengston and Vera E. Rigdon—*Prentice-Hall*, 177 p., \$1.50.

Science News Letter, February 12, 1938

Physiology

POISONING THE PUBLIC: DAILY CONTACTS WITH TOXIC MATERIALS AS CIVILIZATION MARCHES ON—Russell C. Erb.—*Dorrance*, 219 p., \$2. The title indicates a conspiracy on the part of someone to do us all in; but the wholesale poisoning, it turns out, is being done not by some arch enemy but by a lot of things including the daily job, the air we breathe, the black widow spider and the diamond-back rattler (with which latter

two toxic materials all of us of course have daily contacts). Incidentally the author claims in his introduction that he is "no alarmist." Timid readers might well keep firmly in mind the final phrase of the title.

Science News Letter, February 12, 1938

Sociology

THE MARGINAL MAN: A STUDY IN PERSONALITY AND CULTURE CONFLICT—Everett V. Stonequist—*Scribner's*, 228 p., \$1.60. Dr. Stonequist omits, in his short study, the truly tragic racial and cultural conflicts now occurring between the whites, Indians, and mixed-bloods in the American Southwest. Rather thought-provoking are the descriptions of the status of the racial and cultural hybrids in various parts of the world.

Science News Letter, February 12, 1938

Physiology

THE THINKING BODY: A STUDY OF THE BALANCING FORCES OF DYNAMIC MAN—Mabel Elsworth Todd—*Paul B. Hoeber*, 314 p., illus., \$4. Body mechanics, particularly as related to posture and locomotion, are described in the first part of the book. In the second part the author gives her views of how to use the body efficiently.

Science News Letter, February 12, 1938

Chemistry

AN ELEMENTARY COURSE IN QUALITATIVE ANALYSIS—William L. Evans, Jesse E. Day and A. B. Garrett—*Ginn*, 234 p., \$2. Ohio State University chemists present a revision and elaboration of Dean William McPherson's well-known laboratory manual. The present work is printed but bound in loose leaf style.

Science News Letter, February 12, 1938

Physics

A TEXT-BOOK OF LIGHT—G. R. Noakes—*Macmillan*, 355 p., \$2.25. British elementary text which would find American use in colleges because it uses calculus throughout. Many problems will prove most helpful to the serious student and his teacher.

Science News Letter, February 12, 1938

Aviation

HEROES OF THE AIR (Rev. ed.)—Chelsea Fraser—*Crowell*, 808 p., \$2.50. Since 1926 editions of this popular book have been appearing. Each time the recent achievements of aviation have been added to keep the book an up-to-date source of information on the outstanding flights. Well-drawn maps by the author supply illustration.

Science News Letter, February 12, 1938

Pyrotechny

DICTIONARY AND MANUAL OF FIREWORKS—George W. Weingart—*Bruce Humphries*, 176 p., \$3. With increasingly rigid prohibition of fireworks on the Fourth of July (and Christmas in the South), the rising generation is being guarded against injury but is missing something of the dangerous thrill which grown-folks enjoyed in their youth. Fireworks and their fabrication have always been something of a mystery to the layman who lights the rocket, firecracker or pinwheel and then jumps back to enjoy the spectacle and sound. In this book the author, a veteran fireworks manufacturer, gives the formula for a multitude of different effects, many of them trade secrets or private inventions of his own. Fathers with a chemical turn of mind, who get hold of this book may be expected to do some experimenting of their own next summer. But what the National Safety Council will think of it is something else.

Science News Letter, February 12, 1938

Parapsychology

EXPERIMENTAL SET FOR TESTING EXTRA-SENSORY PERCEPTION: Handbook for Testing Extra-sensory Perception—C. E. Stuart and J. G. Pratt, 98 p., Record pad, and 2 packs of ESP cards—*Farrar and Rinehart*, \$1.75 per set.

Science News Letter, February 12, 1938

Geology

HISTORY OF THE GRAND CANYON OF THE YELLOWSTONE—Arthur David Howard—*Geological Soc. of America*, 159 p., illus., map., \$1.50. (See page 110)

Science News Letter, February 12, 1938

Health

40,000,000 GUINEA PIG CHILDREN—Rachel Lynn Palmer and Isadore M. Alpher—*Vanguard*, 249 p., \$2. This volume undertakes to point out the perils to which the authors believe children are subjected by certain forms of national advertising.

Science News Letter, February 12, 1938

Organic Chemistry

THE CARBON COMPOUNDS. A TEXT-BOOK OF ORGANIC CHEMISTRY (3rd rev. ed.)—C. W. Porter—*Ginn*, 495 p., \$4. University of California text which is widely known because its frequent revisions keep it abreast of the advances in chemistry. The book has three main divisions: (1) aliphatic series of compounds, (2) the aromatic series and (3) important general organic reactions.

Science News Letter, February 12, 1938