

•First Glances at New Books

Additional Reviews
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AERONAUTICS

WAR IN THE AIR, September 1939—May 1941—David Garnett—*Doubleday, Doran*, 292 p., illus., \$3.50. Now that we Americans have suffered the effects of air attack, and at the same time are building our own air force into the mightiest in the world, we should find this book of particular interest, and full of facts which we can use to advantage. The author, besides being an experienced flying man himself, has had a distinguished career as a writer, so that he can combine authoritative information with attractive presentation.

Science News Letter, February 7, 1942

ORNITHOLOGY

WORLD OF BIRDS—Eric Parker—*Longmans, Green*, 295 p., \$3. For all the strain of war, England is an island where birds still sing. And here an Englishman takes time to talk about the birds he knows, interestingly and entertainingly as a Briton talking at his best.

Science News Letter, February 7, 1942

SOCIOLOGY

DIRECTORY OF SOCIAL AGENCIES OF THE CITY OF NEW YORK, 1942—Anastasia H. Evans, ed.—*Columbia Univ. Press*, 437 p., \$3. A new edition of a familiar reference book.

Science News Letter, February 7, 1942

PSYCHOLOGY

SOCIAL INFLUENCES AFFECTING THE BEHAVIOR OF YOUNG CHILDREN — Ruth Pearson Koshuk—*Society for Research in Child Development, National Research Council*, 71 p., \$1.

Science News Letter, February 7, 1942

MEDICINE

EYE HAZARDS IN INDUSTRY, Extent, Cause, and Means of Prevention — Louis Resnick—*Columbia University Press*, 321 p., \$3.50. This book gets off to a sensational start and contains a wealth of practical information for executives, safety engineers and vocational training authorities.

Science News Letter, February 7, 1942

NUTRITION

THE ART AND SCIENCE OF NUTRITION, A Textbook on the Theory and Application of Nutrition—Estelle E. Hawley and Grace Carden—*Mosby*, 619 p., illus., \$3.50. This text for students of nursing gives in detail the hows and whys of

special diets, such as those for diabetes, stomach disorders, and so on, as well as general principles of nutrition and detailed suggestions in the choice, preparation and serving of foods.

Science News Letter, February 7, 1942

BOTANY—

BIBLE PLANTS FOR AMERICAN GARDENS—Eleanor Anthony King—*Macmillan*, 203 p., illus., \$2. See page 87.

Science News Letter, February 7, 1942

BOTANY

A CONTRIBUTION TO OUR KNOWLEDGE OF RIVEA CORYMBOSA, The Narcotic Olluqui of the Aztecs—Richard Evans Schultes—*Botanical Museum of Harvard University*, 45 p., \$1. A detailed study of a plant of the morning-glory family, much used by Indians of Mexico in medicine and magic.

Science News Letter, February 7, 1942

ORNITHOLOGY

A BEHAVIOR STUDY OF THE COMMON TERN (*Sterna hirundo hirundo* L.)—Ralph S. Palmer—*Boston Society of Natural History*, 119 p., illus. \$1. A close study of the behavior, both social and individual, of one of the most interesting of aquatic birds.

Science News Letter, February 7, 1942

PHOTOGRAPHY

THE PHOTOGRAPHER'S RULE BOOK — Larry June — *Macmillan*, 90 p., illus., \$1.25. An attractive and useful book for the novice at photography who wants to get good pictures of the family, especially the children, with an inexpensive camera.

Science News Letter, February 7, 1942

SCIENCE—EDUCATION

ENRICHED TEACHING OF SCIENCE IN THE HIGH SCHOOL: A Source Book for Teachers of General Science, Biology, Physics, Chemistry, and Other Sciences, Listing Chiefly Free and Low Cost Illustrative and Supplementary Materials (2nd edition)—Maxie Nave Woodring, Mervin E. Oakes and H. Emmett Brown—*Teachers College, Columbia Univ.*, 402 p., \$3.25. This will be a good investment for Science Clubs, for in addition to listing a vast amount of interesting material which can be secured for little or nothing, it gives such interesting information as how to make lantern slides. Of course science teachers and librarians will welcome the new edition.

Science News Letter, February 7, 1942

MEDICINE

CHINESE LESSONS TO WESTERN MEDICINE—I. Snapper—*Interscience Pub.*, 380 p., illus., \$5.50. A technical book on clinical medicine for students and physicians. Dr. Snapper writes about medicine from his viewpoint as head of the medical department of Peiping Union Medical College. China's medical problems, of course, are particularly of interest today when she is an important member of the 26 United Nations.

Science News Letter, February 7, 1942

ANTHROPOLOGY—AGRICULTURE

THE ISNEG FARMER—Morice Vanoverbergh—*Catholic Anthropological Conference, Catholic University of America*, 105 p., \$1.50. A careful and complete study of a group of primitive farmers in the Philippines, by a man who has spent much time among them. Not only are all details of crops and methods of cultivation recorded, but also all the minutely scrupulous ritual observances believed necessary for success of the harvest.

Science News Letter, February 7, 1942

CHEMISTRY

THE CHEMISTRY AND MANUFACTURE OF COSMETICS—Maison G. de Navarre and Ralph J. Mill—*Van Nostrand*, 745 p., illus., \$8. A fascinating volume for laymen, though written as a text for cosmetic technicians and students. Explains composition of thousands of cosmetic preparations from hair tonic to toe-nail polish. An apparently unforeseen side angle is the probable curtailing of cosmetic manufacture due to need for war materials. Fingernail polish, for example, has a basic ingredient of nitrocellulose. A chapter on the new food and drug act is included as of special interest to the commercial cosmetic manufacturer.

Science News Letter, February 7, 1942

ARCHAEOLOGY

THE PREHISTORY OF THE CHICKAMAUGA BASIN IN TENNESSEE—T. M. N. Lewis and Madeline Kneberg—*Division of Anthropology, The University of Tennessee*, 42 mimeographed p., pls., 35c. Tells what has been learned about relationships of Indian groups in this Southeastern area, in eight seasons of digging. This is the first issue of a new series of occasional publications, "Tennessee Anthropological Papers," undertaken by the University of Tennessee.

Science News Letter, February 7, 1942

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LANGUAGE

LANGUAGE HABITS IN HUMAN AFFAIRS, An Introduction to General Semantics—Irving J. Lee—*Harper*, 278 p., \$1.75. A text or general reading book on the college student level, analyzing language habits which lead to confusion, deception, or misunderstanding. Ways of achieving “a more extensional orientation” are outlined, and exercises and reference readings are suggested.

Science News Letter, February 7, 1942

PHYSICS

THE MECHANISM OF THE ELECTRIC SPARK—Leonard B. Loeb and John M. Meek—*Stanford Univ. Press*, 188 p., illus., \$3.50. In these days of high voltage and artificial lighting, the Townsend theory of the spark has proved inadequate. The authors present a new “Streamer Theory of Spark Discharge,” based on the self-propagating positive streamer that occurs in all breakdown phenomena. They give methods of calculating the breakdown for various types of gap.

Science News Letter, February 7, 1942

ARCHAEOLOGY

WHAT MEAN THESE STONES? The Significance of Archaeology for Biblical Studies—Millar Burrows—*American Schools of Oriental Research*, 306 p., illus., \$2.50. Any one seriously interested in the material world of the Bible, and the manner of life of the people, will find much helpful information in this book by Yale's professor of Biblical theology. Prof. Burrows writes about discoveries of building foundations, papyri, religious and household objects and many another revelation which sheds light on Bible meanings.

Science News Letter, February 7, 1942

MATHEMATICS—ENGINEERING

ELEMENTARY MATHEMATICS FOR ENGINEERS—Sir Ambrose Fleming—*Chemical Pub. Co.*, 110 p., diags., \$2. In its few pages this book covers an astonishing amount of ground, including vector algebra, the differential and integral calculus, differential equations, harmonic analysis, hyperbolic trigonometry, and a set of mathematical tables.

Science News Letter, February 7, 1942

ENGINEERING

HANDWORK IN WOOD (rev. ed.)—William Noyes—*Manual Arts Press*, 258 p., illus., \$3. The original edition of this book was looked upon as a classic of

woodworking. Much new material has now been added. It will appeal to the home craftsman, factory worker or teacher. It treats logging, sawmilling, how to use hand woodworking tools, fastenings, joints and how to make them, types of structures including house framing and wood finishing.

Science News Letter, February 7, 1942

TECHNOLOGY

BUILDING INSULATION, A Treatise on the Principles and Application of Heat and Sound Insulation for Buildings—Paul Dunham Close—*American Technical Society*, 328 p., illus., \$3. Keeping a house warm in winter has been compared with the problem of keeping a sieve full of water. Those interested in more economical methods will find this book useful. A list of commercial materials is given, their thermal and acoustic coefficients, methods of applying them and methods of calculating heat losses.

Science News Letter, February 7, 1942

CLIMATOLOGY

PHYSICAL CLIMATOLOGY—Helmuth Landsberg—*Gray Printing Co., DuBois, Pa.*, 283 p., illus., \$3.50. A new treatment of the subject by a well-known geophysicist. This is a book for the student rather than for the general reader; though care is taken to keep mathematical treatment from being too intricate.

Science News Letter, February 7, 1942

GEOLOGY

OUTLINES OF HISTORICAL GEOLOGY (4th ed.)—Charles Schuchert and Carl O. Dunbar—*Wiley*, 291 p., illus., \$2.50. New edition of a highly successful text, with contents rearranged to add new effectiveness. Increased attention is given to recent geologic time.

Science News Letter, February 7, 1942

MARINE BIOLOGY

SEA OF CORTEZ, A Leisurely Journal of Travel and Research—John Steinbeck and Edward F. Ricketts—*Viking Press*, 598 p., illus., \$5. A couple of men went a-biologizing around the Gulf of California. They didn't intend to work very hard, but somehow they got quite a lot of collecting done. And they had a lot of fun doing it. In addition to telling about that, the book rambles all over the place, with talk about everything from religious mysticism to the sociological effects of high-voltage power lines.

Science News Letter, February 7, 1942

MEDICINE

I'M GONNA BE A FATHER!—Bob Dunn—*McKay*, cartoons, \$1. A playful little narrative in pictures intended as a gift for expectant fathers. It will help the poor fellows to laugh at their troubles.

Science News Letter, February 7, 1942

NATURAL HISTORY

THE NATURAL HISTORY OF SELBORNE—Gilbert White; James Fisher, ed.—*Penguin*, 256 p., 25c. One of the most admired of all classics of eighteenth-century natural history, edited for the popular low-priced Penguin Books series.

Science News Letter, February 7, 1942

ZOOLOGY

CINE-BIOLOGY—J. V. Durden, Mary Field and F. Percy Smith—*Penguin*, 128 p., illus., 25c. A Penguin Book about amoebae, water-fleas, small insects and may other interesting creatures that can be observed with the lower powers of a compound microscope or even a simple hand-lens. There are some beautiful photomicrographs among the illustrations.

Science News Letter, February 7, 1942

NAVIGATION

THE OBSERVER'S BOOK ON DEAD RECKONING NAVIGATION—W. J. D. Allan and William Alexander.—*Chemical Pub. Co.*, 99 p., \$1.25. A brief, straightforward little manual for amateur airplane pilots. Frequent diagrams illustrate the problems and exercises are provided for practice. The material is designed to prepare the student for actual practice in the air.

Science News Letter, February 7, 1942

BOTANY

AN INTRODUCTION TO THE STUDY OF ALGAE—V. J. Chapman—*Macmillan*, 386 p., illus., \$3.75. A well-arranged, well-presented general text on a phylum of plants highly interesting but insufficiently studied in most botanical departments. Treatment includes not merely classification and life histories but physiology and ecology.

Science News Letter, February 7, 1942

EMBRYOLOGY

CONTRIBUTIONS TO EMBRYOLOGY, Vol. XXIX, Nos. 179 to 186—*Carnegie Institution of Washington*, 193 p., illus., \$4.50 paper; \$5.50 cloth. A group of eight papers, most of them on very early stages of development in the embryos of man and other primates.

Science News Letter, February 7, 1942