

• First Glances at New Books

Additional Reviews
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AERONAUTICS—ENGINEERING

EXPERIMENTAL AERODYNAMICS—Henry Christensen Pavian — *Pitman*, 168 p., \$2.50. This book is the first simple and concise presentation of the elements of wind tunnel work in engineering applications. It is written from the standpoint of the student and young engineer.

Science News Letter, June 8, 1940

ELECTRICAL ENGINEERING

INTERIOR ELECTRIC WIRING AND ESTIMATING—Albert Uhl, Arthur L. Nelson and Carl H. Dunlap—*American Technical Soc.*, 342 p., \$2.50. For the practical electrician is this book giving the details of electrical wiring in the home and factory.

Science News Letter, June 8, 1940

ENGINEERING

HEATING, VENTILATING, AIR CONDITIONING GUIDE, 1940, (Vol. 18)—*American Society of Heating and Ventilating Engineers*, 1184 p., \$5. Here is the "Bible" of the engineers who install air conditioning systems and work with heating and ventilating problems. It contains a vast amount of data essential for anyone working in these fields.

Science News Letter, June 8, 1940

GENERAL SCIENCE

PAPERS OF THE MICHIGAN ACADEMY OF SCIENCE, ARTS AND LETTERS, Vol. XXV (1939) in Four Parts—Eugene S. McCartney and William C. Steere, eds.—*Univ. of Mich. Press*, 643 p., \$5.

Science News Letter, June 8, 1940

ENGINEERING

MECHANICS OF LIQUIDS, An Elementary Text in Hydraulics and Fluid Mechanics—Ralph W. Powell—*Macmillan*, 271 p., \$3.50. Hydraulics as taught to engineers at the Ohio State University.

Science News Letter, June 8, 1940

ENGINEERING

HOW TO DESIGN AND INSTALL PLUMBING—A. J. Matthias, Jr.—*American Technical Soc.*, 388 p., \$3. Even a master plumber will be able to pick up some new tricks of his trade in this comprehensive book.

Science News Letter, June 8, 1940

PHYSICS

A TEXTBOOK ON LIGHT—A. W. Barton—*Longmans, Green*, 426 p., \$3. Here is one of those very excellent textbooks from England which are used to prepare for examinations for university scholarships. The treatment is rigorous and

thorough and above the usual American standards in such presentations. It is intended for the really serious student of physics in the junior and senior years of college.

Science News Letter, June 8, 1940

PSYCHOLOGY

PSYCHOLOGY (4th. ed.) — Robert S. Woodworth—*Holt*, 639 p., \$2.75.

Science News Letter, June 8, 1940

ECONOMICS

PRODUCTION MANAGEMENT — A. M. Simons—*American Technical Soc.*, 597 p., \$3.50. A textbook for the student of industrial management. The author's assertions about the "crowd mind" will probably meet with disagreement among psychologists.

Science News Letter, June 8, 1940

PHOTOGRAPHY

THE BOYS' BOOK OF PHOTOGRAPHY—Edwin Way Teale—*Dutton*, 252 p., \$2. Beautifully illustrated by the author, this book will be enjoyed by parents as well as by their sons.

Science News Letter, June 8, 1940

CHEMISTRY

EXPERIMENTS AND PROBLEMS FOR COLLEGE CHEMISTRY (3rd. ed.)—J. E. Belcher and J. C. Colbert—*Appleton-Century*, 207 p., \$1.75. Laboratory chemistry as taught at the University of Oklahoma.

Science News Letter, June 8, 1940

PHYSICS

HOUSEHOLD PHYSICS LABORATORY MANUAL—Madalyn Avery—*Macmillan*, 92 p., \$1.50. Here is the laboratory manual to the textbook "Household Physics". It is designed principally for students in home economics and in the general arts course.

Science News Letter, June 8, 1940

PSYCHOLOGY

FACTS AND THEORIES OF PSYCHOANALYSIS (2d. ed.)—Ives Hendrick—*Knopf*, 384 p., \$3. A revised and enlarged edition including a new chapter on the use of psychoanalysis in connection with treatment of organic disease.

Science News Letter, June 8, 1940

GENERAL SCIENCE

THE ROAD TO MODERN SCIENCE—H. A. Reason—*Appleton-Century*, 297 p., \$3. A simply written history of science from earliest times to the present, written by a British secondary-school teacher of science.

Science News Letter, June 8, 1940

TELEVISION

TELEVISION FOR BEGINNERS, Theater Television—James R. Cameron—*Cameron*, 94 p., \$2. Fundamentals of television, of particular interest to the projectionist in motion picture theaters which soon may be showing television.

Science News Letter, June 8, 1940

ENGINEERING

STAIR BUILDING—Gilbert Townsend—*American Technical Soc.*, 200 p., \$2. Here is described the fine art of building stairs, which is almost as old as the art of building itself.

Science News Letter, June 8, 1940

ENGINEERING

MACHINE SHOP TRAINING COURSE—Franklin D. Jones—*Industrial Press*, Vol. I, 474 p., \$4; Vol. II, 552 p., \$4; Vol. I and II together, \$6. In a world in which machines are increasingly important, and machinists in demand, this set should meet a real need as text for apprentice course or for home study.

Science News Letter, June 8, 1940

GENERAL SCIENCE

THE NEW INTERNATIONAL YEAR BOOK, 1939—Charles Earle Funk, ed.—*Funk & Wagnalls*, 822 p., \$6.25. The annual record and survey of what the world's been doing, done with great thoroughness and competence. The war adds its flavor to many of the contributions, but science and engineering topics are given extensive treatment as in past years.

Science News Letter, June 8, 1940

GENERAL SCIENCE

THE NATIONAL PHYSICAL LABORATORY, Report for the Year, 1939—Great Britain. Dept. of Scientific and Industrial Research—*British Library of Information*, 100 p., 75c.

Science News Letter, June 8, 1940

CRIMINOLOGY

CRIMINAL BEHAVIOR—Walter C. Reckless—*McGraw-Hill*, 532 p., \$3.75. Practically an encyclopedia of the factors which influence the kind of behavior which we call criminal.

Science News Letter, June 8, 1940

GENERAL SCIENCE

THE ROAD WE HAVE COVERED—John Andersen Udmark—*Modern Age Books*, 361 p., \$3.50. A readable and not too lengthy review of man's place in the universe, the world, history, science and the social order.

Science News Letter, June 8, 1940

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BOTANY

THE BADIANUS MANUSCRIPT (CODEX BARBERINI, LATIN 241), Vatican Library, An Aztec Herbal of 1552—Emily Walcott Emmart, ed. and trans.—*Johns Hopkins Press*, 341 p., 118 colored facsimile plates, \$7.50. Written and illustrated by two Hispanized Aztecs only a generation after the Conquest, this book is now published for the first time. It is an herbal, and constitutes at once the first botanical book and the first medical book written in America. Originally composed in Aztec by Martinus de la Cruz, and illustrated in color by him, it was translated into Latin by Juannes Badianus. The Latin text is given in parallel columns with the new English translation; there are copious notes; the original manuscript is reproduced in color, page for page. In general, the editorial treatment is worthy of the importance of the subject. (See also *SNL*, Oct. 19, 1935.)

Science News Letter, June 8, 1940

PSYCHIATRY

PSYCHIATRIC CLINICS FOR CHILDREN—Helen Leland Witmer—*The Commonwealth Fund*, 437 p., \$2.50. Here are the results of a survey conducted by the field staff of the National Committee for Mental Hygiene of psychiatric services available to children in the United States. A brief summary of psychiatric theory and social attitudes serves as introduction for the consideration of practical problems and principles for future programs.

Science News Letter, June 8, 1940

EXPLORATION

MODERN ARCTIC EXPLORATION—Gunnar Seidenfaden—*Hale, Cushman & Flint*, 189 p., illus., \$2.50. Although not large, this introduction to polar research is compact and informative, describing such matters as biologic and marine research, and summing up exploration history, with good maps and illustrations.

Science News Letter, June 8, 1940

ANTHROPOLOGY

AS LONG AS THE GRASS SHALL GROW—Oliver La Farge—*Alliance Book Corporation*, 140 p., photographs by Helen Post, \$2.50. Words and photographs, both expertly handled, combine in this book to tell the moving epic of the American Indian. Miss Post's pictures show no stolid, poker-faced Indians, but people with emotions, and actively at work and play. The title? It quotes the

impressive first phrase of treatise between Indian and white man.

Science News Letter, June 8, 1940

TRAVEL

THE VACATION GUIDE—Robert Spiers Benjamin—*Whittlesey House*, 329 p., \$2.50. In time for summer planning comes this analytic discussion of dude ranches, national parks and, in fact, all sorts of vacation possibilities, including vacations featuring eating, sports, and culture.

Science News Letter, June 8, 1940

AERONAUTICS

GENERAL AERONAUTICS (Rev. ed.)—Hilton F. Lusk—*Ronald Press*, 524 p., \$3.75. The first edition of this work appeared in 1932, but so great have been the advances made in aviation since then that it has been necessary to make this second edition practically a new book. Covering such diverse phases as air navigation, meteorology, principles and construction of aircraft engines, principles of flight, etc., it should prove a valuable summary of aeronautical knowledge in 1940.

Science News Letter, June 8, 1940

MATHEMATICS

ODD NUMBERS, OR ARITHMETIC REVISITED—Herbert McKay—*Cambridge (Macmillan)*, 215 p., \$2.50. An instructive yet entertaining account of some of the interesting things that can be done with numbers.

Science News Letter, June 8, 1940

METEOROLOGY

THE AIR AND ITS MYSTERIES—C. M. Botley; American edition arranged by Hanor A. Webb—*Appleton-Century*, 302 p., \$3. The elements of meteorology, well told by an English leader in the science and well adapted to American conditions.

Science News Letter, June 8, 1940

PHYSICS

PHYSICS AND REALITY—Kurt Riezler—*Yale Univ. Press*, 124 p., \$2. The shadow of old Aristotle lectures at Cambridge and attacks the stumbling blocks of modern science. Using the modern English idiom Aristotle uses his profound reasoning to clear up some of his mistakes of previous times in light of their relation to the present knowledge of physics. A fascinating book on the logic of physics for those with adequate scientific training.

Science News Letter, June 8, 1940

PSYCHOLOGY

SOCIAL PSYCHOLOGY—Otto Klineberg—*Holt*, 570 p., \$3. In the present state of the world, this new up-to-date text from Columbia University should find an interested audience much wider than that of the classroom.

Science News Letter, June 8, 1940

AERONAUTICS

AVIATION FROM THE GROUND UP—G. B. Manly—*Drake*, 369 p., \$3. Here is a textbook which gives practical instructions and serves as a reference work on aviation and its allied subjects. The author is a Lieutenant in the U. S. Army Air Corps Reserve. The book is an excellent text for the basic ground course in aviation.

Science News Letter, June 8, 1940

AERONAUTICS

SKY ROADS—Ernest K. Gann—*Crowell*, 121 p., \$2. What it takes to fly a commercial airplane and the training one needs to do it, as described by a transport pilot.

Science News Letter, June 8, 1940

STATISTICS

APPLIED GENERAL STATISTICS—Fredrick E. Croxton and Dudley J. Cowden—*Prentice-Hall*, 957 p., \$4. "This book is intended for the use of readers who are interested in the understanding of statistical methods, and in their application in various fields, especially the social sciences."

Science News Letter, June 8, 1940

PSYCHOLOGY

THE CENSOR MARCHES ON—Morris L. Ernst and Alexander Lindey—*Double-day, Doran*, 346 p., \$2.50. Books, movies and radio have their enforced inhibitions as the result of the administration of the obscenity law in the United States. Here is the record of sex censorship yesterday and today and what it may be tomorrow.

Science News Letter, June 8, 1940

ENGINEERING

NEON TUBE PRACTICE (2d. rev. ed.)—W. L. Schallreuter—*Chemical Pub. Co.*, 255 p., \$4.25. Revised edition of a much used handbook on Neon tube practise in signs. The examples are chosen from British installations. All too little is given from the American viewpoint despite the fact that this country probably leads the world in the use of Neon signs for advertising purposes.

Science News Letter, June 8, 1940