

Books of the Week

For the editorial information of our readers, books received for review are listed. For convenient purchase of any U. S. book in print, send a remittance to cover retail price (postage will be paid) to Book Department, Science Service, 1719 N Street, N.W., Washington 6, D. C.

ABOUT SILKWORMS AND SILK—Sophie Wormser—*Melmont Pubs.*, 31 p., illus. by Harry Garo, \$2.50. Informative and attractive book for beginning readers.

ABOUT THE BIGGEST SALMON—Will Hayes—*Melmont Pubs.*, 31 p., illus. by Henry Luhrs, \$2.50. For young readers.

ANIMAL TREASURE—Ivan T. Sanderson—*Viking*, 330 p., illus. by author, paper, \$1.45. Reprint of naturalist's observations in the virgin forests of West Africa.

ARISTOTLE'S PHYSICS—Transl. by Richard Hope—*Univ. of Neb. Press*, 241 p., \$6. New translation presents Aristotle's ideas as we would express them, while analytical index of technical terms enables reader to determine Greek or Latin terms paraphrased.

BINOCULARS & SCOPES: How to Choose, Use & Photograph Through Them—Robert J. and Elsa Reichert—*Chilton Co.*, 128 p., photographs, \$2.95; paper, \$1.95. Describes a technique useful in the study of wildlife.

CHEMISTRY: A First Course in Modern Chemistry—Alfred B. Garrett, John S. Richardson and Arthur S. Kiefer—*Ginn*, 726 p., illus., \$5.60. *Correction:* This is a high school textbook, not introductory college, as listed in SNL, Feb. 11, 1961, p. 92.

CHILD DEVELOPMENT AND CHILD PSYCHIATRY: In Tribute to Dr. Arnold Gesell in his Eightieth Year—Charles Shagass and Benjamin Pasamanick, Eds.—*Psychiatric Res. Reports, Am. Psychiatric Assn.*, No. 13, 225 p., illus., paper, \$2. Research conference papers and discussions by foremost American investigators in child development.

COLLEGE CHEMISTRY: A Systematic Approach—Harry H. Sisler, Calvin A. Vanderwerf and Arthur W. Davidson—*Macmillan*, 2nd ed., 709 p., illus., \$7.50.

CONGRESS VERSUS THE SUPREME COURT, 1957-1960—C. Herman Pritchett—*Univ. of Minn. Press*, 168 p., \$3.75. Review and analysis of various cases before the Supreme Court, such as in the passport and the loyalty-security issues.

CURRENT PROBLEMS IN ANIMAL BEHAVIOUR—W. H. Thorpe and O. L. Zangwill, Eds.—*Cambridge Univ. Press*, 424 p., \$8.50. Essays on neural mechanisms and behavior, studies of problems common to the psychology of animals and man, and theoretical approaches to behavior.

DENTAL HYPNOSIS HANDBOOK—Jacob Stolzenberg, D.D.S., foreword by William S. Kroger, M.D.—*Wilshire Bk. Co.*, 152 p., paper, \$2. Reprint of 1950 edition.

DELINQUENCY AND OPPORTUNITY: A Theory of Delinquent Gangs—Richard A. Cloward and Lloyd E. Ohlin—*Free Press*, 220 p., \$4. Sociological analysis of why delinquent rules of conduct develop and of the conditions which account for delinquent "subcultures."

ELECTRODYNAMICS OF CONTINUOUS MEDIA—L. D. Landau and E. M. Lifschitz, transl. from Russian by J. B. Sykes and J. S. Bell—*Addison-Wesley*, 417 p., \$12.50. Deals with the theory of electromagnetic fields in matter and with the theory of macroscopic electric and magnetic properties of matter.

ELEMENTS OF STATISTICAL INFERENCE—Robert M. Kozelka—*Addison-Wesley*, 150 p., \$5. Designed as one-semester course following an introductory course in calculus.

ENZYMOLGY IN THE USSR: A Review of the Literature—Chester W. De Long—*Public Health Service (GPO)*, 189 p., paper, 65¢. Provides

review and short summaries of Soviet research on human and animal enzymes, microbial enzymes, and plant enzymes.

THE EVOLUTION OF PHYSICS: The Growth of Ideas from Early Concepts to Relativity and Quanta—Albert Einstein and Leopold Infeld—*Simon & Schuster*, 302 p., illus., paper, \$1.45. Reprint of 1938 edition, written for the intelligent layman.

GALAPAGOS: The Noah's Ark of the Pacific—Iraeus Eibl-Eibesfeldt, transl. from German by Alan Houghton Brodrick—*Doubleday*, 192 p., 32 photographs, \$3.95. Skin-diving zoologist's observations of animal life on the islands Darwin called "living laboratory of evolution."

GENETICS IS EASY: A Handbook of Information—Philip Goldstein—*Viking*, 2nd ed., 238 p., illus. by author, paper, \$1.45. Explains basic principles of heredity for the general reader.

THE GLYCOSIS AND RESPIRATION OF TUMORS—Alan C. Aisenberg—*Academic*, 224 p., \$8. Reports on important research in the field of energy metabolism of tumors.

GUIDE TO MARINE FISHES—Alfred Perlmutter—*N. Y. Univ. Press*, 431 p., illus., \$6.50. For rapid identification by way of external characteristics, illustrated by silhouettes, includes fishes and fish-like vertebrates found from Cape Cod to Cape Hatteras.

HUMAN FACTORS IN JET AND SPACE TRAVEL: A Medical-Psychological Analysis—S. B. Sells and Charles A. Berry, Eds., foreword by Oliver K. Niess—*Ronald*, 386 p., illus., \$12. Comprehensive sourcebook on human-factor aspects of high-speed and high-altitude travel.

HUMAN GROWTH, Vol. III—J. M. Tanner, Ed.—*Pergamon*, 120 p., illus., \$5. Among others contains papers on age changes in primates and their modification, genetics of human growth, and influences affecting prenatal growth in man.

THE IMPACT OF ATOMIC ENERGY: A History of Governments, Scientists and Religious Groups—Erwin N. Hiebert—*Faith & Life Press*, 302 p., \$4. Documents the reactions of scientists, the political community, nations and the church to the development of nuclear weapons, from a moral viewpoint.

INTERNATIONAL REVIEW OF TROPICAL MEDICINE, Vol. I—David Richard Lincicome—*Academic*, 300 p., illus., \$10. Critical reviews of the state of medical practice and science in the tropics.

INTRODUCTION TO ATOMIC AND NUCLEAR PHYSICS—Otto Oldenberg—*McGraw*, 3rd ed., 380 p., illus., \$7.95. One-term intermediate course, attempts to train student to understand and judge atomic theory rather than to accept it on authority.

INTRODUCTION TO FOURIER ANALYSIS AND GENERALISED FUNCTIONS—M. J. Lighthill—*Cambridge Univ. Press*, 79 p., paper, \$1.95. First printed 1958.

INTRODUCTION TO THE THEORY OF LINEAR DIFFERENTIAL EQUATIONS—E. G. C. Poole—*Dover*, 202 p., paper, \$1.65. Reprint of 1936 edition.



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AN INTRODUCTION TO TRANSPORTATION ENGINEERING—William W. Hay—*Wiley*, 505 p., illus., \$11.75. Textbook treating the effects of technological factors on movement and the principles involved, with chapter on planning for use and development.

KALAHARI—Jens Bjerre, transl. from Danish by Estrid Bannister—*Hill & Wang*, 227 p., photographs, \$4.50. Account of life among primitive Bushmen, depicting their customs and ceremonies.

LIGHTNING—Jeanne Bendick—*Rand McNally*, 61 p., illus. by author, \$2.75. Beginning with myths and superstitions, tells children what lightning really is, with lively illustrations.

MAKE YOUR OWN COLOR PRINTS—Robert Bagby—*McGraw*, 169 p., photographs, \$4.50. Discusses in detail how to work with Kodacolor and Ektacolor papers and how to make color prints from transparencies.

MANAGEMENT'S TALENT SEARCH: Recruiting Professional Personnel—P. W. Maloney—*Am. Management Assn.*, 160 p., \$4.50. Discusses campus recruiting programs, interviewing, and plant visits, from the modern company's point of view.

THE MATHEMATICAL THEORY OF RELATIVITY—A. S. Eddington—*Cambridge Univ. Press*, 270 p., paper, \$2.95. First published in 1923.

MENTAL HEALTH OR MENTAL ILLNESS? Psychiatry for Practical Action—William Glasser, foreword by Morris Herman—*Harper*, 208 p., \$3.75. Presents basic concepts of normal and abnormal human functioning, psychiatric treatment and mental hygiene for those who work with delinquent adolescents.

MODERN MATERIALS: Advances in Development and Applications, Vol. 2—Henry H. Hausner, Ed.—*Academic*, 413 p., illus., \$12.50. On polymer modified papers, ceramics for cutting purposes, borides, titanium metallurgy and welding materials.

MODERN MATHEMATICS FOR THE ENGINEER: Second Series—Edwin F. Beckenbach, Ed., introd. by Magnus R. Hestenes—*McGraw*, 456 p., \$9.50. Material is divided into three parts: mathematical methods, statistical and scheduling studies, and physical phenomena.

THE MOON: Our Nearest Celestial Neighbour—Zdenek Kopal—*Academic*, 131 p., illus., \$4.50. Describes in non-technical language what we know about the physical properties and the surface of the moon, explaining experimental methods and reasoning behind interpretations.

MOST-OFTEN-NEEDED RADIO DIAGRAMS AND SERVICING INFORMATION, 1961—M. N. Beitman—*Supreme Publications*, 21st ed., 192 p., paper, \$2.50.

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PURSUIT OF THE ATOM

By Werner Braunbek

Now you are invited on a "guided tour" of scientific exploration and discovery within the realm of the atom; guided, no less, by the great scientists whose brilliant work made possible the breakthrough to the atomic age. Each basic contribution to the complex pattern of research is lucidly explained, and is related to the work of others before and after.

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