

Books of the Week

For the editorial information of our readers, books received for review since last week's issue 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. Request free publications direct from publisher, not from Science Service.

AIRCRAFT ELECTRICITY FOR THE MECHANIC—Charles Edward Chapel—*Aero Pubs.*, 2nd ed., 477 p., illus., \$5. Explains in simple language electrical fundamentals and their use in aircraft.

AMERICAN AUTOMOBILE MANUFACTURERS: The First Forty Years—John B. Rae—*Chilton Co.*, 223 p., illus., \$6. A historical study of success and failure in the automobile industry.

ATOMS FOR PEACE: U.S.A. 1958—John F. Hogerton, Ed.—*Arthur D. Little (Govt. Print. Off.)*, 165 p., illus., paper, \$4.50. Pictorial survey prepared for the U. S. Atomic Energy Commission.

BACTERIOPHAGES—Mark H. Adams and others—*Interscience*, 592 p., \$15. First comprehensive treatment of phage research in thirty years.

BETWEEN EARTH AND SPACE—Clyde Orr, Jr.—*Macmillan*, 253 p., illus., \$4.95. The story of the atmosphere, of weather and climate, vibration in the air, air pollution, and supersonic flight.

CAREERS IN THE ATOMIC ENERGY INDUSTRY—Harold L. Walker—*Bellman*, 32 p., illus., paper, \$1. Discusses the outlook, the challenge and the responsibilities of the industry, what training is needed, and where to get it.

DANGEROUS MARINE ANIMALS—Bruce W. Halstead—*Cornell Maritime*, 146 p., illus., \$4. Guide to marine animals that bite and are poisonous to man.

DECE CONTOS—Alexander Gode-von Aesch, selegite per John Lansbury—*Storm Pubs.*, 26 p., paper, \$1.50. Durante le traduction in interlingua de grande massas de pesante materia technic, Dr. Gode ha trovato intervallos de tempore pro essayar iste nove idioma in un serie de delectabile schizzos, le quales monstra a nos que interlingua pote esser capriciose, subtil, tenere, e poetic.

ECONOMICS OF AMERICAN FORESTRY—Albert C. Worrell—*Wiley*, 441 p., \$9.75. College course textbook.

ELECTRICAL ENGINEERING: Theory and Practice—William H. Erickson and Nelson H. Bryant—*Wiley*, 2nd ed., 613 p., illus., \$8. Considerable material on transistors added in this revision.

ENDOCRINES IN DEVELOPMENT—Ray L. Watterson, Ed.—*Univ. of Chicago Press*, 142 p., \$4. A Report from The Developmental Biology Conference Series, 1956.

EXPERIMENTAL PATHOGENIC MICROBIOLOGY—John M. Slack, James E. Dyson and William K. Harrell—*Burgess*, 146 p., illus., paper, \$3.65. Student manual of laboratory experiments.

FOOTE CANYON PUEBLO, EASTERN ARIZONA—John B. Rinaldo—*Chicago Nat. Hist Mus.*, 298 p., illus., paper, \$4. Final report on excavations of a late pueblo ruin in the Blue River Canyon.

FUNDAMENTALS OF NUCLEAR ENERGY AND POWER REACTORS—Henry Jacobowitz—*Rider*, 118 p., illus., paper, \$2.95. Short survey for the general reader of nuclear theory, reactors and atomic power.

FUNDAMENTALS OF RADIO TELEMETRY—Marvin Tepper—*Rider*, 116 p., illus., paper, \$2.95. General introduction to the field which makes possible for observers on the ground to know details of the course of missiles.

GROUP PROCESSES—Bertram Schaffner, Ed.—*Macy*, 266 p., \$4.50. Among other matters, discusses the impact of game-ingredients on children's play behavior and implications for our current models of personality.

GROUP PSYCHOANALYSIS—B. Bohdan Wassell—*Philosophical Lib.*, 306 p., \$3.75. Describes a psychoanalytic method, the treatment of personality disorders in a group setting.

HEALTH IN INDUSTRY—Donald Hunter—*Penguin*, 288 p., illus., paper, 95¢. Diseases and accidents to which workers in industry are liable, and how they may be treated or prevented.

HEREDITY COUNSELING—Helen G. Hammons, Ed.—*Hoeber-Harper*, 112 p., \$4. A symposium sponsored by the American Eugenics Society.

THE IMPACT OF CONTEMPORARY SCIENTIFIC AND TECHNOLOGICAL DEVELOPMENTS UPON THE AMERICAN ECONOMY—Harold Taylor and others, preface by M. L. Frankel—*Jt. Council on Economic Educ.*, 156 p., paper, \$2. Proceedings of the Science-Economics Workshop, held at Sarah Lawrence College in 1958.

THE INTERNATIONAL GEOPHYSICAL YEAR AND SPACE RESEARCH: Staff Report—Select Comm. on Astronautics and Space Exploration—*Govt. Print. Off.*, 36 p., paper, 30¢. Summary report on the results of the IGY in the space sciences.

THE LITTLE RIVER—Ann Rand—*Harcourt*, 30 p., illus. by Feodor Rojankovsky, \$2.95. Charmingly illustrated children's book.

LOW-FAT DIET: Reasons, Rules, and Recipes—Roy L. Swank and Aagot Grimsgaard with Roberta Lec Penny—*Univ. of Ore.*, 143 p., paper, \$2.50. Pocket size book.

MINERALS YEARBOOK 1957, Vol. II: Fuels—Bureau of Mines, Div. of Petroleum, of Bituminous Coal and of Anthracite—*Govt. Print. Off.*, 480 p., \$2.25. Includes chapters on each mineral fuel.

MINERALS YEARBOOK 1957, Vol. III: Area Reports—Bureau of Mines, field staff—*Govt. Print. Off.*, 1244 p., \$4. Covering each of the 48 states, territories and island possessions.

MIT RAHINEH 1955—Rudolf Anthes and others—*Univ. Museum*, 93 p., 45 p. of plates, paper, \$4. Report of the first season of excavations at Memphis, Egypt.

NOW OR NEVER: The Promise of the Middle Years—Smiley Blanton with Arthur Gordon—*Prentice-Hall*, 273 p., \$4.95. Psychiatrist tells how to overcome the anxieties of middle age.

THE PHARMACOLOGY OF PLANT PHENOLICS—J. W. Fairbairn, Ed.—*Academic*, 151 p., illus., \$6. Proceedings of a Symposium held at Oxford, April 1958.

PLANNING OF EXPERIMENTS—D. R. Cox—*Wiley*, 308 p., \$7.50. Elementary discussion of the basic ideas in experimental design as seen from the viewpoint of statistics.

PROCESS DYNAMICS: Dynamic Behavior of the Production Process—Donald P. Campbell—*Wiley*, 316 p., \$10.50. Translates process dynamic performance into mathematical form.

THE PUMA'S CLAW—Simon Clark, introd. by Sir John Hunt—*Little*, 223 p., illus., \$4.95. Experience of mountain climbing in Peru.

THE RADIO AMATEUR'S HANDBOOK—Headquarters staff, American Radio Relay League—*Am. Radio Relay League*, 36th ed., 584 p., illus., \$6, paper, \$3.50. Presents radio communication problems in terms of how-to-do-it.

RESEARCH HIGHLIGHTS OF THE NATIONAL BUREAU OF STANDARDS: Annual Report, Fiscal Year 1958—A. V. Astin, Dir.—*Nat. Bureau of Standards (Govt. Print. Off.)*, 138 p., illus., paper, 45¢.

RESEARCH IN SPACE SCIENCE: Special Report No. 21—Charles A. Whitney and others—*Smithsonian Astrophysical Observatory*, 37 p., paper, single copies free upon request direct to publisher, Cambridge 38, Mass. On the structure of the high atmosphere and Moonwatch catalogue.

ROCK GARDEN PLANTS: New Ways to Use Them Around Your Home—Doretta Klaber—*Holt*, 173 p., illus. by author, \$3.95. An introduction to alpine plants we can grow in our gardens.

SEMICONDUCTORS—N. B. Hannay, Ed.—*Reinhold*, 767 p., \$15. Reference work on the physical chemistry and fundamental physics of semiconductors, with detailed analyses of important semiconducting materials.

THE SHEEP BOOK—John McKinney—*Wiley*, 295 p., illus., \$4.96. Textbook on sheep raising.

SPACE HANDBOOK: Astronautics and Its Applications—Rand Corporation, Robert W. Buchheim, Dir.—*Select Comm. on Astronautics and Space Exploration (Govt. Print. Off.)*, 252 p., illus., paper, 60¢. Authoritative study in lay terms.

STORM DATA, Vol. I, No. 1: January 1959—Weather Bureau, F. W. Reichelberger, Chief—*Govt. Print. Off.*, 8 p., paper, 15¢, annual subscription \$1.50. Reports storm data and unusual weather phenomena on a state and county basis.

3 WATER BALANCE MAPS OF EASTERN NORTH AMERICA—C. W. Thornthwaite, John R. Mather and Douglas B. Carter, foreword by Edward A. Ackerman—*Resources for the Future*, 47 p., 3 maps, paper, \$2.

VARIATION AND HEREDITY—H. Kalmus—*Routledge*, 227 p., illus., \$3.95. Deals with the inequality of man, the parts played by "nature" and "nurture" in the development of the human organism.

Science News Letter, April 4, 1959

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