Books of the Week

For the editorial information of our readers, books received for review are listed. For convenience purchase of any U. S. Book in print, priced at 95% or over, 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.

ABOUT ATOMIC POWER FOR PEOPLE—Edward and Ruth Shaw Radlauer—Melmont Pubs., 47 p., photographs, \$2.50. Of machines and scientists. 5th grade reading level.

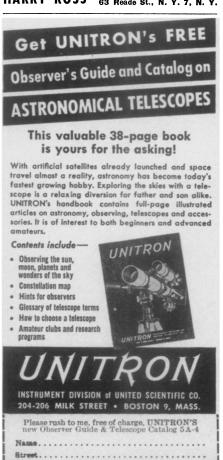
THE AEROSPACE YEAR BOOK 1960—Aerospace Industries Assn.—Am. Aviation Publications, 41st ed., 478 p., illus., \$10. Photographs and reports of jet airplanes and engines, VTOL, helicopters and missiles, in production and development. Chronology of American aviation and official records.

Analytic Functions - R. Nevalinna and others—*Princeton Univ. Press*, 197 p., \$5. Survey of recent developments, both in classical and modern fields of the theory of analytic functions.

THE ANTIBIOTIC SAGA—Henry Welch and Felix Marti-Ibanez-Medical Encyclopedia, 150 p., \$3. The story of antibiotics from past to present, with the human story of the physicians and investigators who made medical history.

ASTRONOMY OF STELLAR ENERGY AND DECAY -Martin Johnson, foreword by F. J. M. Strat-

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ton-Dover, new ed., 216 p., illus., paper, \$1.50. Stellar radiation, steady, varying or catastrophic, for the general reader and student.

BRAZIL: Portrait of a Great Country-Ellen Bromfield Geld, photographs ed. by Stefan Geyerhahn—Viking, 22 p. text, 150 full-page photographs, \$10. Outstanding photographic record of people, landscape, architecture and

CAREERS AND OPPORTUNITIES IN CHEMISTRY: A Survey of All Fields—Philip Pollack, introd. by George M. Murphy—Dutton, 147 p., illus., \$3.50. Tells boys and girls of educational requirements and opportunities in the chemical profession today.

CHARACTERISTICS OF ENGINEERS AND SCIENTISTS: Significant for Their Utilization and Motivation—Lee E. Danielson—Bureau of Industrial Relations, Univ. of Mich., 136 p., \$4. Fourth in a series of reports which deal with managers' relations with the engineers and scientists in their employ.

CLIMAX AT MIDWAY—Thaddeus V. Tuleja—Norton, 248 p., photographs, \$3.95. The story of the battle that turned the fortunes in the Pacific struggle in 1942.

CRYSTAL & MINERAL COLLECTING-William B. Sanborn—Lane Pub. Co., 145 p., photographs, \$3.50. Amply illustrated guide for the mineral hobbyist who wants to do it professionally.

THE DEVELOPMENT OF A CHESS GENIUS: 100 Instructive Games of Alekhine (Formerly Titled: The Unknown Alekhine) — Fred Reinfeld — Dover, 278 p., paper, \$1.35. Reprint with new introduction.

ELECTROMAGNETIC FIELDS, ENERGY, AND FORCES—Robert M. Fano, Lan Jen Chu and Richard B. Adler—Wiley, 520 p., \$12. Undergraduate "core curriculum" textbook developed for M.I.T. electrical engineering program.

ELECTRONIC CIRCUITS, SIGNALS, AND SYSTEMS-Samuel J. Mason and Henry J. Zimmermann -Wiley, 616 p., \$12.50. Textbook presents matrix, topological and signal-flow-graph methods of circuit and system analyses.

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Engineering College Research Review 1959—Renato Contini and Paul T. Bryant, Eds. -Engineering Res. Council, 9th ed., 445 p., paper, \$2. Directory of member institutions and their principal fields of research.

FACILITIES AND EQUIPMENT AVAILABLE FOR TEACHING SCIENCE IN PUBLIC HIGH SCHOOLS 1958-1959-Charles L. Koelsche and Archie N. Solberg-Research Foundation, Univ. of Toledo, 71 p., paper, 25¢. Survey of Fla., Ill., Mass., N. D., Ohio, S. C. and Wis. schools.

FIGURES OF EQUILIBRIUM OF CELESTIAL BODIES: With Emphasis on Problems of Motion of Artificial Satellites—Zdenek Kopal—Univ. of Wis. Press, 135 p., \$3. Monograph on the present state of Clairaut's theory of equilibrium of distorted self-gravitating fluids, including the terms of the second order.

FLORA OF PERU—J. Francis Macbride—Field Mus., 538 p., paper, \$8.50. Botanical series, Field Museum of Natural History, Volume XIII, Part V, Number 1.

Fundamentals of Electronics — Matthew Mandl—Prentice-Hall, 574 p., illus., \$10.60. Medium-level text specifically for those who plan a career in such branches of electronics as computer systems, industrial control, automation, radar and allied fields.

GUIDE TO OUTER SPACE-Franklyn M. Branley—Home Lib., 32 p., illus. by G. Geygan, 69¢; de luxe \$1.95. Introduction to astronomy for boys and girls.

HANDBOOK OF CELL AND ORGAN CULTURE—Donald J. Merchant, Raymond H. Kahn and William H. Murphy, Jr.—Burgess, 188 p., paper, \$4. Manual for class instruction in the application of tissue culture techniques.

HAWAII: Fiftieth Star-A. Grove Day-Duell, 200 p., illus. by John V. Morris, \$3.95. History of the new state, for young people.

HEAVENLY CLOCKWORK: The Great Astronomical Clocks of Medieval China — Joseph Needham, Wang Ling and Derek J. de Solla Price—Cambridge Univ. Press, 254 p., illus., \$12.50. Traces the origin of mechanical escapement to China between seventh and fourteenth centuries A.D.

How to be Accepted by the College of YOUR CHOICE, 1960-1961 — Benjamin Fine — Channel, rev. ed., 291 p., \$4.95. Comprehensive and specific information for students, counselors, and parents. Special chapter on programs for the superior student.

How to Grow House Plants-Millicent E. Selsam—Morrow, 96 p., illus. by Kathleen Elgin, \$2.50. Basic know-how for acquiring a "green thumb." For young beginner.

THE INCA: Indians of the Andes-Sonia Bleeker—Morrow, 157 p., illus. by Patricia Boodell, \$2.50. The story of the achievements of the Inca civilization told for boys and girls.

THE INTERNAL CONSTITUTION OF THE STARS-Sir A. S. Eddington, new introd. by Lloyd Motz (Continued on p. 206)

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RADIOACTIVE ISOTOPES—AS LOW AS \$3.00. Free Price List #14C. Also, Radioactive Isotope Experiments, \$1.00. Atomic Research Laboratory, 10717 Venice Boulevard, Los Angeles 34, California.

Books of the Week

(Continued from page 204)

—Dover, 407 p., paper, \$2.25. Unabridged reprint, first published in 1926.

IONIZATION PHENOMENA IN GASES - Gordon Francis-Academic, 300 p., illus., \$10.50. For postgraduate students, treats those branches of the subject which are closely linked with other branches of physics, such as atmospheric phenomena, and high-current discharges.

LEONARDO DA VINCI: A Pictorial Biography-Richard Friedenthal—Viking, 144 p., illus., \$6.50. Concise account of Leonardo's creative achievements, including engineering drawings.

THE LEOPARD'S SPOTS: Scientific Attitudes toward Race in America, 1815-59-Wilbur Stanton-Univ. of Chicago Press, 245 p., \$4. Documented review of the school of early 19th century American physical anthropologists who thought the races of man were distinct species.

LEWIS HENRY MORGAN: American Scholar-Carl Resek—Univ. of Chicago Press, 184 p., illus., \$4.50. Account of life and unorthodox thinking of American scholar who was credited with creating the science of anthropology.

THE MARINE CORROSION HANDBOOK-T. Howard Rogers—McGraw, 297 p., illus., \$12.50. Practical guide for non-specialists on the prevention of corrosion in ocean-going ships, including machinery and equipment.

Measuring Health Levels in the United STATES, 1900-1958—Odin W. Anderson and Monroe Lerner—Health Information Foundation, 38 p., paper, single copies free upon request direct to publisher, 420 Lexington Ave., New York 17, N. Y. Shows changes in leading causes of death.

Microwave Transmission — J. C. Slater — Dover, 309 p., paper, \$1.50. Reprint of 1942 edition.

Nuclear Science Abstracts: 1959 Annual Index, Vol. 13. Part 1: Corporate Author, Personal Author and Report Number Index. Part 2: Subject Index—Paul E. Postell, Ed.—USAEC (GPO), 781 p., and 764 p., paper, \$4.25 each. Supersedes all indexes issued prior to volume 13.

Power and Energy-Noemie Benczer-Koller and Earl Leonard Koller-Home Lib., 34 p., illus. by N. Kenyon and A. Edwards, 69¢; de luxe \$1.95. For boys and girls.

PROCEEDINGS OF THE AEC SYMPOSIUM FOR CHEMICAL PROCESSING OF IRRADIATED FUELS from Power, Test, and Research Reactors, Richland, Wash., 1959—G. F. Quinn and others—AEC (OTS), 455 p., illus., paper, \$4.50. Separation processes for plutonium and uranium.

Science News Letter, March 26, 1960

BIOCHEMISTRY-What is the experiment being done with paramecia in the study of "time clocks" of cells p. 197.

CIVIL ENGINEERING—How are the epoxy resins used in repairing roads? p. 200.

ROCKETS AND MISSILES-The two TV cameras in Tiros I will take pictures of areas how wide? p. 195.

Photographs: Cover, Lick Observatory, University of California; p. 195, Goodyear; p. 197, The Chicago Medical School; p. 199, Countdown News Service; p. 208, Hayes Products.