

Books of the Week

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APPLIED MECHANICS FOR ENGINEERS—Sir Charles Inglis—Dover, 404 p., diagrams, paper \$2. Unaltered republication of work first published in 1951.

THE ARCO GUN BOOK—Larry Koller, Ed.—Arco Pub. Co., 397 p., illus., \$7.50. Reference manual on rifles, shotguns, pistols and related equipment.

BIG MEN, BIG JOBS—Clyde H. Duncan—Univ. of Mo., Coll. of Agric., 150 p., paper, 50¢ direct to publisher, Columbia, Missouri. Highlights nearly 80 years of research at the University of Missouri College of Agriculture.

CHEMICAL ANALYSIS WITHOUT H₂S Using Potassium Tri-Thiocarbonate—K. N. Johri—Asia Pub. House (N.Y.), 107 p., illus., \$5. Presents the results of developing an alternative technique to be used in ordinary or in semi-micro analysis.

CREATION STILL GOES ON—F. L. Boschke, transl. from German by L. Parks—McGraw, 256 p., photographs, diagrams, \$7.95. Provides an up-to-date report of what research in the various fields of science has revealed about the origin of life, earth and the universe.

CURRENT PROJECTS ON ECONOMIC AND SOCIAL IMPLICATIONS OF SCIENCE AND TECHNOLOGY, 1963—National Science Foundation—GPO, 158 p., paper, 50¢. Contains 356 entries classified into 14 subject classes, research projects ranging from agriculture and rural sociology to decision-making.

DELINQUENCY AND DRIFT—David Matza—Wiley, 199 p., \$4.50. Study stresses throughout the connection between delinquent thought and the ideas and practices of contemporary juvenile law and its administration.

DEMOGRAPHY AND PUBLIC HEALTH IN LATIN AMERICA: Proceedings of the Fortieth Annual Conference, 1963—Milbank Memorial Fund, 359 p., paper, \$2.50. Brings together formal papers and discussion evaluating census data, Latin American demographic research, teaching and training in demography and its impact on the economy.

THE DOCTOR HAS A HEART ATTACK—Samuel B. Goodstone, M.D.—Beacon Press, 118 p., \$3.50. Physician's hopeful story of his own recovery from coronary thrombosis.

THE DOUBLEDAY PICTORIAL LIBRARY OF TECHNOLOGY: Man Remakes His World—J. Bronowski with Sir Gerald Barry, James Fisher and Sir Julian Huxley, Eds.—Doubleday, 367 p., illus. by Hans Erni, photographs, \$12.95. A colorful and informative family reference book about man's development of machines and tools.

EDUCATORS GUIDE TO FREE FILMS—Mary Foley Horkheimer and John W. Diffor, Eds.—Educators Progress Service, 24th ed., 634 p., paper, \$9. Revised edition contains description and sources of 4,164 titles, listed alphabetically, with title, subject and source indexes.

ENGINEERING MATHEMATICS—Kenneth S. Miller—Dover, 417 p., diagrams, paper, \$2. Reprint (1956).

FEDERAL FUNDS FOR RESEARCH, DEVELOPMENT AND OTHER SCIENTIFIC ACTIVITIES: Fiscal Years 1962, 1963 and 1964, Vol. XII—National Science Foundation—GPO, 180 p., paper, \$1. Reports on basic research and R&D plant, the dissemination of scientific and technical information, and the collection of general purpose scientific data on natural and social phenomena.

THE FIRST TWENTY YEARS OF THE UNIVERSITY OF TEXAS M.D. ANDERSON HOSPITAL AND TUMOR INSTITUTE—R. W. Cumley, Ed.—Univ. of Texas Medical Center, 564 p., illus., \$7.50. The story of two decades of an institution's efforts to find the cause and cure for cancer through integrating patient care, research and education.

FLUX LINKAGES AND ELECTROMAGNETIC INDUCTION—L. V. Bewley—Dover, 106 p., diagrams, paper, \$1.25. Enlarged version of work first published in 1952.

THE GLOBE FOR THE SPACE AGE—S. Carl Hirsch—Viking, 88 p., illus. by Burt Silverman, \$3.75. Makes young readers aware of the significance of the globe as a tool for understanding phenomena of space.

GRASSES & GRASSLANDS—C. Barnard, Ed.—Macmillan (St. Martins), 269 p., illus., \$10. Brings together the accumulated knowledge and experience in various aspects of the biology of grasses and grasslands of the Commonwealth Scientific and Industrial Research Organization's Division of Plant Industry.

INSIGHT AND RESPONSIBILITY: Lectures on the Ethical Implications of Psychoanalytic Insight—Erik H. Erikson—Norton, 256 p., \$5. Lectures re-examine Freud's early work, the nature of clinical evidence, transmittance of traits from generation to generation, and the "golden rule" in the light of clinical insight.

INTRODUCTION TO ATOMIC AND NUCLEAR PHYSICS—Rogers D. Rusk—Appleton, 2nd ed., 470 p., illus., \$8.75. Revised elementary text, covers significant recent work in the concepts and methods underlying the fields of quantum physics and relativity.

THE JAPANESE ABACUS EXPLAINED—Y. Yoshino, introd. by Martin Gardner—Dover, 240 p., illus., paper, \$1.25. Reprint (1937), with new introduction.

KEEP YOUR GARDEN HEALTHY—Louis Prynson—Dutton, 256 p., illus., \$4.95. Basic information for the home gardener about tested methods and materials to keep the garden free from weeds, diseases and insects.

LUNAR DESIGNATIONS AND POSITIONS, Quadrant I and II—Compiled by D. W. G. Arthur and A. P. Agniera—Univ. of Ariz. Press, 2 folded maps, paper, \$1. Maps show schematic representation of all lunar craters with diameters not less than 3.5 km, with names of craters, maria and elevations.

MANUAL OF OUTDOOR CONSERVATION EDUCATION—Joseph J. Shomon—National Audubon Soc., 98 p., illus., paper, \$2 direct to publisher, 1130 Fifth Ave., New York, N. Y. Brings together guidelines for teachers, naturalists and administrators of outdoor facilities.

A MILLION YEARS OF MAN: The Story of Human Development as a Part of Nature—Richard Carrington—New Am. Lib., 304 p., 94 plates, paper, 75¢. Naturalist-historian tells of man's development from his early biological emergence to civilization in the twentieth century.

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ORE DEPOSITS—Charles F. Park, Jr. and Roy A. MacDiarmid—Freeman, 476 p., illus., maps, \$9.50. Incorporates recent advances in geochemistry and geophysics, petrology and structural geology to present the principles for understanding how and why ore bodies are deposited in certain environments.

POCKET PHOTO DATA BOOK—Morgan & Morgan, 3rd ed., 160 p., vinyl binder, \$3.95. Handy data for darkroom, studio or location.

A PROGRAMMED INTRODUCTION TO NUMBER SYSTEMS—Irving Drooyan and Walter Hadel—Wiley, 261 p., paper, \$3.95. Text develops in 1,500 frames the fundamental ideas involved in a number system.

RADIO ASTRONOMY & HOW TO BUILD YOUR OWN TELESCOPE—John Heywood—Arc Bks., 159 p., photographs, diagrams, \$2.50; paper, 95¢. Explains the theory necessary for making your own space observations and describes the construction and operation of a simple radiometer and a drift interferometer.

REAGENTS AND REACTIONS FOR QUALITATIVE INORGANIC ANALYSIS: Fifth Report—Commission on Analytical Reactions, International Union of Pure and Applied Chemistry—Butterworths, 88 p., \$6.50. A selection of tests made on the general basis of selectivity and sensitivity, pertinent to reagents and reactions used for the detection of inorganic ions.

RODD'S CHEMISTRY OF CARBON COMPOUNDS, Vol. I Part A: General Introduction, Hydrocarbons, Halogen Derivatives—S. Coffey, Ed.—Elsevier Pub. Co. (N.Y.), 2nd ed., 569 p., diagrams, \$29. Comprehensive modern treatment of organic chemistry, up-to-date, and with references to original sources, review articles and monographs.

THE SCHWARZ-CHRISTOFFEL TRANSFORMATION AND ITS APPLICATIONS: A Simple Exposition—Miles Walker—Dover, 116 p., paper, diagrams, \$1.25. Unabridged republication of book formerly (1933) entitled "Conjugate Functions for Engineers."

SCIENCE, FAITH AND SOCIETY—Michael Polanyi—Univ. of Chicago Press, 96 p., paper, \$1.50. Reprint (1946) with new introduction by the author of this examination of the meaning and nature of scientific inquiry.

SEARCH THE SCRIPTURES: A Physician Examines Medicine in the Bible—Robert B. Greenblatt, M.D., foreword by Ralph McGill—Lippincott, 127 p., \$4. In this collection of essays, an endocrinologist gives some facets of Biblical medicine a new interpretation in the light of modern medicine.

SPOTTED SALAMANDER—Robert M. McClung—Morrow, 48 p., illus. by author, \$2.75. Tells children about the life cycle of this small amphibian.

THE STORY OF THE PLANT KINGDOM—Merle C. Coulter, rev. by Howard J. Dittmar—Univ. of Chicago Press, 3rd ed., 467 p., illus., \$5. Elementary college text.

TENSORS IN ELECTRICAL ENGINEERING—J. W. Lynn—Arnold (St. Martins), 216 p., diagrams, \$10.50. Presents Kron's application of tensors and describes methods by which circuits, fields and dynamo action are being united in one mathematical discipline.

TOMORROW WAS YESTERDAY—Gart Westerhout and others; CBS-Scientific American, Charles Collingwood, Moderator—Braziller, 91 p., photographs, diagrams, \$3.50. Scientists explain some of the far-reaching scientific breakthroughs of our time.

TRAVELING WAVES ON TRANSMISSION SYSTEMS—L. V. Bewley—Dover, 2nd ed., 543 p., illus., paper, \$3. Reprint of second edition of work first published in 1933.

TWO-DIMENSIONAL FIELDS IN ELECTRICAL ENGINEERING—L. V. Bewley—Dover, 204 p., diagrams, paper, \$1.50. Unabridged and corrected republication of work first published in 1948.

• Science News Letter, 86:92 August 8, 1964

Do You Know?

As many as three million persons in the United States are estimated to have major hearing difficulties.

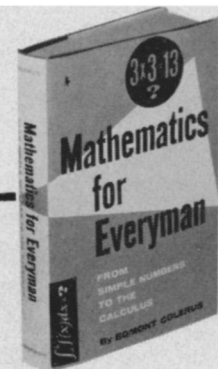
Fatty portions of beef, lamb, and pork give these *meats* their distinctive flavors, the lean portions all tasting about the same.

About 1,800 persons are fatally *poisoned* by accident every year in the United States.

Caribou migrate as far as 600 miles between their winter and summer ranges.

The water in a relaxed *muscle* is in a form resembling ice which "melts" when the muscle contracts.

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