

# Books of the Week

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**THE ADVANCE OF THE FUNGI**—E. C. Large—Dover, 488 p., illus., paper, \$2.25. Reprint (1940), chronicles man's battle against fungi, such as the potato blight, anthrax and salmon disease.

**BASIC THEORY OF SPACE COMMUNICATIONS**—Frederick J. Tischer—Van Nostrand, 463 p., \$11.75. Text and reference book on methods of analysis and of experimental calculation in space communications.

**CHEMISTRY, MAN'S SERVANT**—Leonard J. Fliedner and Louis Teichman—Allyn & Bacon, rev. ed., 625 p., illus., \$5.96. High school text organized in self-contained units with review questions.

**COSMIC INTERNATIONAL LAW**—Modesto Seara Vazquez, transl. from Spanish by Elaine Malley—Wayne State Univ. Press, 293 p., \$9.95. A study of the legal aspects of outer space, the control of space vehicles, peaceful uses of outer space, and the legal nature of celestial bodies.

**DELINQUENCY AND CHILD GUIDANCE: Selected Papers**—August Aichhorn; ed. by Otto Fleischmann and others—International Universities Press, 244 p., \$5. A Menninger Clinic monograph.

**THE ELEMENTS**—Samuel Ruben—Sams, unpaged, illus., paper, \$1.95. Alphabetically arranged, lists principal physical and chemical constants of the 103 elements.

**ENGLISH MEDICAL HUMANISTS: Thomas Linacre and John Caius**—C. D. O'Malley—Univ. of Kansas Press, 54 p., \$2. Lectures on the careers and achievements of two English Renaissance men.

**FAREWELL TO EDEN**—Matthew Huxley and Cornell Capa—Harper, 244 p., photographs, \$15. The record of a Stone Age culture as it exists today in a jungle community of 17 Amaluca Indian families on the Peruvian-Brazilian border.

**THE FIRST BOOK OF PUERTO RICO**—Antonio J. Colorado—Watts, Franklin, 74 p., photographs, \$2.65. An introduction to the land, the commonwealth, and San Juan.

**THE FIRST BOOK OF THE GUIANAS**—John Hoke—Watts, Franklin, 64 p., photographs, \$2.65. An introduction to present British Guiana, Surinam and French Guiana.

**THE FUNDAMENTAL PARTICLES**—Clifford E. Swartz—Addison-Wesley, 152 p., illus., \$3.75, paper, \$1.95. An elementary description of particle physics, the interactions and conservation laws.

## YOUR SKIN AND ITS CARE

By H. T. Behrman, M.D., and O. L. Levin, M.D. Two dermatologists give you the up-to-date scientific facts. They tell you in detail exactly what to do to beautify and improve your skin, how to avoid or correct skin disorders, and how to deal with many skin problems as: Daily care of the face • allergies • cosmetics • pimples • blackheads • acne • whiteheads • cysts • boils • oily skin • dry skin • chapping • poison ivy • cold sores • hives • superfluous hair • ringworm • moles • birthmarks • scars • warts • tumors • skin cancer • excessive sweating • etc., etc. "Accurate, unvarnished story of practical skin care."—Connecticut State Medical Journal. Price \$3.95 Postfree • 5-day Money-Back Guarantee EMERSON BOOKS, Inc., Dept. 427-P, 251 W. 19th Street, New York 11.



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**GRAVITATION THEORY AND GRAVITATIONAL COLLAPSE**—B. Kent Harrison, John Archibald Wheeler and others—Univ. of Chicago Press, 177 p., \$6.50. A systematic account of the theory, conclusions and problems interpreting the relativistic theory of gravitational collapse of a neutron star more massive than a critical limit.

**THE GREAT SAHARA**—James Wellard—Dutton, 350 p., photographs, maps, \$6.95. Beginning at the partially known beginning of habitation in the Sahara to our own period when the desert can be crossed in a few hours, this is the story of the trans-Saharan caravan routes.

**GROUP PSYCHOTHERAPY: The Psychoanalytic Approach**—S. H. Foulkes and E. J. Anthony—Penguin Bks., rev. ed., 281 p., paper, \$1.25. Attempts to give a comprehensive account for the layman of the principles and methods of group psychotherapy, including the latest developments.

**HEALING THE SICK MIND**—Harry Guntrip, foreword by Henry V. Dicks—Appleton-Century, 224 p., \$4.95. Clinically supported discussion of the psychotherapeutic process.

**A HISTORY OF THE ROCKEFELLER INSTITUTE, 1901-1953: Origins and Growth**—George W. Corner, foreword by Detlev W. Bronk—Rockefeller Institute Press, 636 p., photographs, \$12.50. Tells of the accomplishments of half a century of laboratory investigations that have led to the surgery of blood vessels, development of the first blood bank, control of viral diseases, and the production of the first antibiotic.

**INTRODUCTION TO THE THEORY OF RELATIVITY AND THE PRINCIPLES OF MODERN PHYSICS**—Huseyin Yilmaz—Blaisdell Pub. Co., 216 p., illus., \$8.50. Essentially a course in theoretical physics for the first year graduate and advanced undergraduate level.

**LANGUAGE, THOUGHT AND CULTURE**—Roger W. Brown and others, Paul Henle, Ed.—Univ. of Mich. Press, 273 p., \$4.40; paper, \$1.95. Reprint (1958).

**LIFE HISTORIES OF NORTH AMERICAN BLACKBIRDS, ORIOLES, TANAGERS AND ALLIES**—Arthur Cleveland Bent—Dover, 549 p., 37 plates, paper, \$2.75. Reprint (1958), includes redwing, grackle and cowbird.

**THE MAN THEY WOULDN'T LET DIE**—Alexander Dorozynski—Macmillan, 207 p., photographs, \$4.95. A short biography of the Russian Nobel Prize winner Lev Landau, and account of his accident and slow recovery after having been pronounced clinically dead four times.

**METHODS OF DETERMINING E<sub>h</sub> AND pH IN SEDIMENTARY ROCKS**—Gennadii Anatol'evich Solomin, foreword by N. G. Pesenko, transl. from Russian by Paul Porter Sutton—Consultants, 56 p., illus., paper, \$10. Contribution to the study of the oxidation states of sedimentary rocks.

**MONTESSORI FOR PARENTS**—Dorothy Canfield Fisher—Bentley, Robert, 240 p., photographs, \$5.95. Reprint (1940).

**THE MONTESSORI MANUAL FOR TEACHERS AND PARENTS**—Dorothy Canfield Fisher—Bentley, Robert, 126 p., photographs, \$5. Reprint (1913).

**MOST-OFTEN-NEEDED 1965 RADIO DIAGRAMS and Servicing Information**—M. N. Beitman—Suprema Publications, 192 p., illus., paper, \$2.50. Includes data on stereo amplifiers, AM-FM tuners, portables, combinations, all main manufacturers.

**THE NEW INTERNATIONAL YEAR BOOK: A Compendium of the World's Affairs for the Year 1964**—Frank Jay, Ed.—Funk, 591 p., photographs, \$10. Features special reports on the world's races, poverty, popular culture, and chronology; Science Service contributed chapters on atomic power and on physics.

**OCEAN WONDERS: A Book to Begin on**—Eunice and Faith Holsaert—Holt, unpaged, illus., by L. Kessler, \$2.75. Informative reading for the youngest.

**OPPORTUNITIES FOR PARTICIPATION IN SPACE FLIGHT INVESTIGATIONS**—Office of Space Science Applications, NASA—NASA (Washington, D.C. 20546), 137 p., illus., paper, distributed to scientists. Third in a series of announcements designed to invite proposals from the scientific community.

**PAKISTAN: Its People, Its Society, Its Culture**—Donald N. Wilber with others—HRAF Press (Tappington), 487 p., maps, \$8.75. Comprehensive volume bringing together authoritative material on the geography, history, government, politics and culture of Pakistan.

**PATTERNS OF INFANT CARE in an Urban Community**—John and Elizabeth Newson—Penguin Bks., 285 p., paper, \$1.25. Study based on interviews with 700 mothers of one-year-olds to find out how children are brought up in England today.

**THE PERILS OF PEACE: Conversion to What?**—Donald W. Cox, foreword by Benjamin Spock—

Chilton Bks., 215 p., \$4.95. Examines the issues involved in conversion from an arms-producing economy to one concentrating on the problems of peace.

**PHILOSOPHIC FOUNDATIONS OF QUANTUM MECHANICS**—Hans Reichenbach—Univ. of Calif. Press, 182 p., paper, \$1.50. Reprint (1944).

**PHYSIOLOGY OF MAN**—L. L. Langley and E. Cheraskin—Reinhold, 3rd ed., 658 p., illus., \$8.50. Thoroughly revised text.

**RANGER TO THE MOON**—Willy Ley—New Am. Lib., 127 p., 25 plates, paper, 60¢. An original paperback, gives a readable account of the moon's topography, orbit, and origins, and of the exploratory American rocket, Ranger VII.

**THE REBUILT MAN: The Story of Spare-Parts Surgery**—Fred Warshofsky—Crowell, 184 p., photographs, \$5.95. Readable account of the history of transplant surgery.

**ROBERT BOYLE ON NATURAL PHILOSOPHY: An Essay with Selections from His Writings**—Marie Boas Hall—Indiana Univ. Press, 406 p., illus., \$6.75. Biography and carefully edited excerpts from the 17th century scientist's works on chemistry, pneumatics, light and the mechanical philosophy.

**SCIENCE AND THE SHABBY CURATE OF POETRY: Essays About the Two Cultures**—Norton, 159 p., \$5. Reflections on debate with C. P. Snow, in search of a newly defined humanism.

**SOLAR CELL & PHOTOCELL: Experimenters Guide**—Stu Hoberman—Sams, 128 p., illus., paper, \$2.95. Easy-to-build, low cost projects that teach some of the principles of light-sensitive devices and their applications.

**STATISTICAL ADJUSTMENT OF DATA**—W. Edwards Deming—Dover, 261 p., paper, \$1.75. Reprint (1943).

**STEP BY STEP: Evolution and Operation of the Cornell Students' Civil-Rights Project in Tennessee, Summer, 1964**—Fayette County Project Volunteers, Douglas Dowd and Mary Nichols, Eds.—Norton, 128 p., photographs by Nick Lawrence, \$3.95; paper, \$1.95. Describes well organized and successful student project in aiding voter registration.

**SUPERFLUIDS, Vol. II: Macroscopic Theory of Superfluid Helium**—Fritz London—Dover, 217 p., illus., paper, \$1.75. Reprint (1954).

**TEXTBOOKS IN PRINT** including Teaching Materials, 1965—Bowker, 424 p., paper, \$4. Classified by subject, with author and title index to elementary and secondary school books.

**THIN-LAYER CHROMATOGRAPHY: A Laboratory Handbook**—H. R. Bolliger and others, Egon Stahl, Ed.—Academic Press, 553 p., illus., \$17. Gathers in book form experimental material previously available only in isolated publications.

**TRUTHS IN TENSION: New Perspectives on Religion and Science**—John Habgood, foreword by Sir Bryan Matthews—Holt, 157 p., \$4.50. A discussion of the conflict between religion and scientific thought.

**THE VIKINGS**—Johannes Brondsted, transl. from Danish by Kalle Skov—Penguin Bks., 347 p., 24 plates, maps, paper, \$1.45. Reprint (1960).

**WHERE SCIENCE AND POLITICS MEET**—Jerome B. Wiesner—McGraw, 302 p., \$6.95. In these essays the former Presidential Special Assistant for Science and Technology explores issues ranging from basic research, manpower, and education to disarmament and national security.

**WILD WHITE WINGS**—Emily Watson Hallin and Robert Kingery Buell—McKay, 90 p., illus., \$2.95. Story about a pair of whistling swans.

**WONDROUS WORLD OF FISHES**—Leonard P. Schultz, Consultant, Leonard J. Grant, Ed.—National Geographic Society, 367 p., photographs, \$8.75 direct to publisher, Dept. 220, Washington 36, D.C. A colorful book about salt-water and fresh-water fishes.

• Science News Letter, 87:268 April 24, 1965

## TECHNOLOGY

### Device Probes Minute Atom Collisions, Dispersal

➤ A DEVICE for probing atomic collisions is helping scientists find out how minute atoms scatter after colliding at speeds up to 500,000 miles per hour.

The device, called a coincidence scattering chamber, is one of only two such instruments in the world. The other one, completed two years ago, is in Russia. The American device was built by scientists at the University of Connecticut, Storrs, and was put into operation last year.

A third instrument, built along the same lines as the Russian one, is now being completed at the University of Connecticut.

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