

Books of the Week

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ACCIDENT HANDBOOK: A New Approach to Children's Safety—Staff of Boston Children's Hospital Medical Center—Dell Pulse Book 0013, 65 p., illus., paper, 30¢ direct to Box 2200 Grand Central P.O., New York, N.Y. 10017. Up-to-date information for the family on accident prevention and first aid.

AEROSPACE MEDICINE AND BIOLOGY: An Annotated Bibliography, Vols. VII-X, 1958-61 Literature, Parts 1 and 2—Roman Kenk and Elaine S. Valliere, Eds.—Science & Technology Div., Library of Congress (CFSTI), 821 p., paper, in two parts, \$5.25 each. Part 1 covers general aspects, biology, general physiology, neurophysiology, psychology and psychiatry; part 2, effects of environmental factors, personnel, toxicology, safety and life-support systems.

CHALLENGERS OF THE UNKNOWN—Fred Brewer—Four Winds Press, 128 p., photographs, \$2.50. Gives an account of the activities of 13 scientists currently at work on basic or applied research, and includes projects for students.

COMPUTER DICTIONARY—Charles J. Sippl—Sams, Howard W., 336 p., diagrams, paper, \$4.95. Designed to aid students and computer personnel, the book identifies and explains more than 5,000 computer terms, includes 20 useful appendices.

COMPUTERS—William R. Corliss—USAEC, 56 p., illus., paper, single copies free upon request direct to USAEC, P.O. Box 62, Oak Ridge, Tenn. 37830. A highly readable account of how wires, transistors and human ingenuity are combined to produce calculating machines of unprecedented speed.

CORROSION AND ITS PREVENTION IN WATERS—G. Butler and H. C. K. Ison—Reinhold, 281 p., illus., \$12. A study of the principles of corrosion, types of water, forms of corrosion, and means of prevention and control of the corrosion problems arising from the contact of metals with water, with emphasis on experience and direct application to practical problems.

DEATH OF THE SWEET WATERS—Donald E. Carr—Norton, W. W., 257 p., photographs, \$5.95. This book on water pollution eloquently describes the alarming facts of how industrial wastes, urban sewage and silt have been allowed to pollute streams, rivers, lakes and beaches.

EARTHQUAKE! The Story of Alaska's Good Friday Disaster—Eloise Engle—Day, 217 p., photographs, maps, \$4.95. Tells the factual and human story of the recent violent catastrophe and its rescue operations.

EMPHYSEMA—Heart Information Center, N.I.H.—PHS, 15 p., illus., paper, single copies free upon request direct Public Health Service, H.E.W. Bldg., Washington, D.C. 20201. Pamphlet explains causes, symptoms, diagnosis, treatment and prevention of the disease.

ENRICO FERMI: The Man and His Theories—Pierre de Latil, transl. from French by Len Orthen—Eriksson, P. S., 178 p., photographs, \$5. A concise biography of the great theoretical and experimental physicist, with emphasis on his scientific achievements.

FOOD SCIENCE & TECHNOLOGY, Vol. II: Biological and Microbiological Aspects of Foods—James Nuil Leitch, Ed.—Gordon & Breach, 646 p., illus., \$30. Second volume of the proceedings of the 1st International Congress of Food Science and Technology held in London in 1962. Deals with the effects of husbandry and cultivation on quality, with maturation, transport and storage of foods, food preservation and laboratory techniques.

GALILEO REAPPRAISED—Carlo L. Golino, Ed.—Univ. of Calif. Press, 110 p., \$4. Contributions consider Galileo as a man of letters, the rationale of his religiousness, the problem of force in Galileo's physics, and the connection between Galileo's theoretical studies and his interests in technology.

GRAVITY ANOMALIES: Unsurveyed Areas—Hyman Orlin, Ed.—Am. Geophysical Union, 142 p., illus., maps, \$7. Surveys the achievements of gravimetric geodesy and discusses specific application of statistical methods and geophysical methods to unsurveyed areas of the earth.

A HISTORY OF GREEK AND ROMAN PHILOSOPHY—John Hackney—Philosophical Lib., 269 p., \$6. Attempts to show how the various lines of thought influencing present Western civilization originated from concepts conceived in Greece and Rome.

HORNS, HOOFS, NAILS—Marguerite Rush Lerner—Lerner Pubns., 39 p., illus. by Susan Sallade Dalke, \$2.75. Dermatologist explains to boys and girls how horny skin, true horns and nails grow.

HOW WE CAN GET THE NURSES WE NEED—Ruth Carson—Public Affairs Committee, 28 p., illus., paper, 25¢ direct to publisher, 381 Park Ave. S., New York 10016. Discusses the supply of nurses, their education, standards and specialties.

INTERPERSONAL PERCEPTION: A Theory and a Method of Research—R. D. Laing, H. Phillipson and A. R. Lee—Springer Pub. Co., 179 p., charts, \$4.75. Centers on the experiences, the perceptions and actions that occur when two human beings are engaged in a meaningful encounter. Book includes two IPM questionnaire booklets.

INVENTORS IDEA BOOK—L. George Lawrence—Sams, Howard W., 128 p., illus., paper, \$1.95. Suggestions for 185 electronic and mechanical inventions needed today, ranging from home appliances to scientific instruments.

LASER WELDING AND MACHINING: Papers presented at the Engineering Seminar on New Industrial Technologies, 1965—A. O. Schmidt, Chmn.—Pennsylvania State Univ., Engineering Pubns., 156 p., illus., paper, \$7. Papers range from discussion of energy problems in laser welding to applications of laser interferometry.

LIBRARY CO-OPERATION—G. Jefferson—London House & Maxwell (N.Y.), 160 p., \$4.95. Reviews the development of library cooperation in the 20th century and discusses in detail British schemes for making cooperation the responsibility and logical extension of services a library can provide in an integrated national library service.

THE MECHANICAL FOUNDATIONS OF ELASTICITY AND FLUID DYNAMICS—C. Truesdell—Gordon & Breach, 218 p., illus., \$7.50. First volume in series of reprints designed to reflect the resurgence of continuum mechanics in the past few years.

MUSICAL INSTRUMENTS—Robina Beckles Wilson—Walck, Henry Z., 64 p., illus. by Edmund Blandford, \$3. Explores for children the historical development of music making devices, from the bone whistle to the vibraphone.

OPTICAL PAGE READING DEVICES—Robert A. Wilson—Reinhold, 197 p., photographs, diagrams, \$10. Discusses in fairly nontechnical language the complex mechanisms of optical scanning devices and surveys new developments in which conversion of large amounts of printed information into computer-readable language can serve retrieval systems.

POLYMER TECHNOLOGY—D. C. Miles and J. H. Briston—Chemical Pub. Co., 444 p., illus., \$12.50. Up-to-date treatment of materials, processing techniques and methods of physical and chemical testing.

PROCEEDINGS OF THE HEAT TRANSFER AND FLUID MECHANICS INSTITUTE held at the University of Santa Clara, Calif., June 22, 23, 24, 1966—Michael A. Saad and James A. Miller, Eds.—Stanford Univ. Press, 444 p., illus., \$12.50. Topics of lectures include boundary-layer flows, two-phase flows and change of phase, free and forced convective heat and mass transfer, and special problems.

PROPELLANT CHEMISTRY—Stanley F. Sarnier—Reinhold, 417 p., illus., \$20. Reference work on performance of propellants, present and potential fuels, oxidizers and advanced propulsion techniques.

QUANTUM MECHANICS, Vol. I: Fundamentals—Kurt Gottfried—Benjamin, W. A., 494 p., \$13.50. A first-year graduate physics text, giving an authoritative account of the important aspects of nonrelativistic quantum mechanics.

ASTRONOMY

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QUARTERLY REPORTS ON SULFUR CHEMISTRY, Vol. 1, No. 1—Norman Kharasch, Ed.—Intra-Science Research Foundation, 91 p., diagrams, paper, \$5; four regular issues and annual supplementary December issue, \$24 for libraries, \$12 for certified personal users, direct to publisher, P.O. Box 2428, Santa Monica, Calif. 90405. First issue contains an interpretative bibliography of the chemistry of dimethyl sulfoxide for the period 1961-1965.

SCIENCE AND THE COMMON UNDERSTANDING—J. Robert Oppenheimer—Simon & Schuster, 120 p., paper, \$1.25. Reprint of the 1953 Reith Lectures.

SEA STARS (Echinodermata: Asteroidea) of Arctic America—E. H. Grainger—Fisheries Research Bd. of Canada (Queen's Printer, Ottawa), 70 p., illus., maps, paper, \$2.50. Detailed descriptions and data on 24 species of sea stars reported from Northern American waters, with key for identification.

A SURVEY OF THE TEACHING OF PHYSICS AT UNIVERSITIES—Prepared under the auspices of the International Union of Pure and Applied Physics—UNESCO (Unesco Pubns. Center, N.Y.), 396 p., diagrams, \$6.50. A cooperative project giving detailed information on the training of professional physicists in Czechoslovakia, Western Germany, France, Russia, Britain and the United States.

TECHNOLOGICAL INNOVATION AND SOCIETY—Dean Morse and Aaron W. Warner, Eds.—Columbia Univ. Press, 214 p., \$6. A product of the 1964-1965 Columbia University Seminar on Technology and Social Change, in which scientists, economists and political scientists discussed the process of innovation through science and the social impact of technological change.

TEILHARD DE CHARDIN: The Man and His Theories—Abee Paul Grenet, transl. from French by R. A. Rudorff—Eriksson, Paul S., 176 p., photographs, \$5. Concise biography, emphasizing the contributions to palaeontology, geology, philosophy and theology.

THE VARIETIES OF PSYCHEDELIC EXPERIENCE—R. E. L. Masters and Jean Houston—Holt, 326 p., \$7.95. A comprehensive appraisal of the effects, possibilities and limitations of LSD and related drugs on human personality.

WASTE MANAGEMENT AND CONTROL: A Report to the Federal Council for Science and Technology—Committee on Pollution, NAS-NRC, Athelstan Spilhaus, Chmn.—Nat. Acad. of Sciences, 257 p., paper, \$4. Presents the findings and recommendations of the committee on the national problem of pollution.

WE BUILT OUR OWN COMPUTERS—A. B. Bolt, Ed.—Cambridge Univ. Press, 102 p., photographs, diagrams, \$3.95; paper, \$1.95. A British School Mathematics Project Handbook, designed to stimulate the interested schoolboy to design and build his own computing machines.

WONDERS OF THE MODERN WORLD—Joseph Gies—Crowell, 241 p., illus., \$5.95. Describes such feats of modern engineering as the nuclear ship N.S. Savannah, the fast Tokaido railroad line, the Siplon Tunnel, Chicago's sewage system, the Interstate Highway System, and includes useful appendixes with data.

THE WONDERS OF PHYSICS: An Introduction to the Physical World—Irving Adler—Golden Press, 165 p., illus. by Cornelius De Witt, \$3.95. Makes clear in lively diagrams and text how the fundamental laws of physics work, for young readers and those who like visually presented, simple explanations.

ZYGON: Journal of Religion & Science, Vol. 1, No. 1—Ralph Wendell Burhoe, Ed.—Univ. of Chicago Press, 119 p., paper, \$2.50; quarterly, \$8 annually. New journal dedicated to university-level exploration of the interactions of science and religion and to reformulating religion for an age of science.

• Science News, 90:28 July 9, 1966

Extra-Sensory Mind

By Kenneth Walker, F.R.C.P.

"A straightforward account of the broader aspects of extra-sensory perception as reviewed by one who is willing to go beyond ordinary explanations. Walker's point of departure from that of the skeptic consists in his willingness to accept the statistical evidence in favor of the existence of psi. . . . May be recommended."

—*Psychiatric Quarterly*

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