

# Books of the Week

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**ARGENTINA: A City and a Nation**—James R. Scobie—Oxford Univ. Press, 294 p., maps, \$6.50. A general survey of Argentine economic and social development from the country's discovery in the 16th century to the present, with emphasis on the formative years in the 19th century.

**BEHAVIORISM AND PHENOMENOLOGY: Contrasting Bases for Modern Psychology**—T. W. Wann, Ed.—Univ. of Chicago Press, 190 p., \$5. Symposium papers examine the contrasts or the alternatives between behaviorism and phenomenology in psychology.

**THE BEST-KEPT SECRET: The Story of the Atomic Bomb**—John Purcell—Vanguard, 188 p., photographs, \$3.50. Science reporter pieces together the story of the development and of the security barriers that surrounded the Manhattan Project between 1939 and 1945.

**BIRDING IN THE BAY AREA: Good Localities and Trips for Bird Observing, plus Check List**—Dale Peters Clyde and Hope Burchard Purmont—Naturegraph, 20 p., map, paper, 50¢ direct to publisher, Healdsburg, Calif. For bird watchers who start out from San Francisco.

**COMPARATIVE BIOCHEMISTRY: A Comprehensive Treatise, Vol. VI: Cells and Organisms**—Marcel Florin and Howard S. Mason, Eds.—Academic Press, 561 p., \$20. Deals with the biochemistry of morphogenesis and of insect metamorphosis, of hormones in invertebrates and protein hormones in vertebrates, digestive mechanisms and detoxification.

**THE DEAD SEA SCRIPTURES**—In English Translation with introd. and notes by Theodor H. Gaster—Doubleday, rev. ed., 420 p., paper, \$1.45. This enlarged edition includes all coherent texts published since 1956, reliable translations of the celebrated Hebrew scrolls dated between about 250 B.C. and 68 A.D.

**ELECTRONICS PIONEER: Lee De Forest**—I. E. Levine—Messner, 191 p., \$3.25. Juvenile biography.

**EXPERIMENTS IN TOPOLOGY**—Stephen Barr—Crowell, 210 p., illus. by author, \$3.50. Mathematical entertainment with continuity and connectedness as represented by the Möbius strip and the Klein bottle.

**EXPLORER OF SOUND: Michael Pupin**—Dorothy Markey—Messner, 191 p., \$3.25. Juvenile biography about an immigrant boy who became an inventor and mathematical physicist.

**FLUORINE CHEMISTRY, Vol. III: Biological Effects of Organic Fluorides**—Harold C. Hodge, Frank A. Smith and Philip S. Chen; J. H. Simons, Ed.—Academic Press, 240 p., \$16.50. Sourcebook on the biological properties of a class of chemical compounds used increasingly in plastics, dyes, aerosols, insecticides as well as in anesthetics, tranquilizers and steroids.

**FLUORINE CHEMISTRY, Vol. V**—J. H. Simons, Ed.—Academic Press, 505 p., illus., \$10. Deals with

the general chemistry of fluorine-containing compounds, the physical chemistry of fluorocarbons, fluorine radiochemistry, and industrial aspects of fluorine chemistry.

**THE FRIENDLY STARS**—Martha Evans Martin, rev. by Donald H. Menzel, foreword by Donald H. Menzel and William W. Morgan—Dover, 147 p., illus. by Ching-Sung Yu, folded star maps, paper, \$1. Enlarged version of work first published in 1907.

**THE GENAIN QUADRUPLETS: A Case Study and Theoretical Analysis of Heredity and Environment in Schizophrenia**—David Rosenthal, Ed.—Basic Bks., 609 p., illus., \$12.50. An unusually well documented case study of identical quadruplets, all four post-adolescent schizophrenics whose case was intensively studied and evaluated for hereditary and environmental influences.

**GENETICS AND THE ORIGIN OF SPECIES**—Theodosius Dobzhansky—Columbia Univ. Press, 364 p., diagrams, paper, \$2.45. Reprint of 3rd revised edition (1950).

**GEOGRAPHERS AND WHAT THEY DO**—William Warntz—Watts, F., 149 p., illus., \$3.95. There are about 2,500 professional geographers in the United States today, and this book answers young people's questions about a career in geography.

**GIORDANO BRUNO AND THE HERMETIC TRADITION**—Frances A. Yates—Univ. of Chicago Press, 466 p., 16 plates, \$7.50. This scholarly work reveals the Renaissance thinker as a Hermetic philosopher and magician, associating his support of Copernican heliocentricity with Ficino's solar magic.

**GRAYWINGS**—Alice E. Goudey—Scribner, unpagged, illus. by Marie Nonnast, \$2.95. Handsome little book about herring gulls, for young readers.

**INCIDENTS OF TRAVEL IN YUCATAN, Vols. I and II**—John L. Stephens—Dover, 303 p., 336 p., illus., fold-out plate, map, paper, \$2 each; set \$4. Unabridged republication of work first published in 1843, recording the first descriptions of 44 Maya sites.

**INDEX TO BULLETINS 1-100 OF THE BUREAU OF AMERICAN ETHNOLOGY: With Index to Contributions to North American Ethnology, Introductions and Miscellaneous Publications**—Biren Bonnerjee—Smithsonian Inst. (GPO), 726 p., \$3.50. Bulletin 178 of the Bureau of American Ethnology.

**INDUSTRIAL CREATIVITY: The Psychology of the Inventor**—Joseph Rossman, introd. by Gardner Murphy with new introd. by author—University Bks., 252 p., illus., \$7.50. First published 30 years ago, the book has been regarded as an important contribution to our understanding of the basic psychology of creativeness.

**AN INTRODUCTION TO BIRD LIFE FOR BIRD WATCHERS**—Aretas A. Saunders—Dover, 256 p., illus. by Dominick D'Ostilio, paper, \$1. Unabridged and corrected republication of work first published in 1954, titled "The Lives of Wild Birds."

**THE LAST REDWOODS: Photographs and Story of a Vanishing Scenic Resource**—Philip Hyde and Francois Leydet, foreword by Stewart L. Udall—Sierra Club, 127 p., photographs, maps, \$17.50. A beautiful book dedicated to the conservation of the Sequoia sempervirens, stating the facts about this unique kind of forest tree that may take a thousand years to grow and with modern tools can be cut down within an hour.

**MAN MUST EAT**—Sir William Slater—Univ. of Chicago Press, 112 p., \$3.75. Considers the historical development of research in agriculture and the use of nuclear science in agricultural research, from radioactive tracer techniques to assessing possible fallout hazards to food chains.

**THE MAZES OF MODERN GOVERNMENT: The States, the Legislature, the Bureaucracy, the Courts—LeRoy Collins and others**—Center for the Study of Democratic Institutions, 39 p., paper, single copies free upon request direct to publisher, Box 4068, Santa Barbara, Calif.

**PEACE: The Control of National Power**—Philip Van Slyck, preface by Senator Hubert H. Humphrey—Beacon Press, 186 p., paper, \$1.75. A guide for the concerned citizen on problems of disarmament and the strengthening of the United Nations.

**PHYSICAL SCIENCE FOR PROGRESS**—Milton O. Pella and Aubrey G. Wood—Prentice-Hall, 2nd ed., 590 p., illus., \$5.60. A physical science course developed around the principles and processes in

physics, chemistry, and earth and space sciences, as preparation for course in physics or chemistry.

**PLENUM PRESS HANDBOOKS OF HIGH-TEMPERATURE MATERIALS, No. 1: Materials Index**—Peter T. B. Shaffer, foreword by Henry H. Hausner—Plenum Press, 740 p., \$17.50. Contains data on the general, chemical, electrical, mechanical, nuclear, optical, structural and thermal properties of some 520 refractory materials arranged by compounds.

**PRIMARY PROCESSES IN PHOTOSYNTHESIS**—Martin D. Kamen—Academic Press, 183 p., illus., \$5.50. Advanced biochemistry monograph, deals with the photosynthetic apparatus, spectroscopy of porphyrins and chlorophylls, and the photochemistry of chlorophyll.

**PRINCIPLES OF PREVENTIVE PSYCHIATRY**—Gerald Caplan, foreword by Robert H. Felix—Basic Bks., 304 p., \$6.50. A systematic presentation of the underlying reasons and methods of preventive psychiatry, developing a theory of community mental health practice.

**RACIAL PROVERBS: A Selection of the World's Proverbs arranged Linguistically**—Selwyn Gurney Champion—Barnes & Noble, 767 p., map, \$12.50. First published in 1938, this 2nd ed. reprint lists about 26,000 proverbs from 200 languages, indexed by chief word and subject matter, with introductions by folklore authorities to the proverbs of 27 countries and races.

**RESIDUE REVIEWS: Residues of Pesticides and Other Foreign Chemicals in Foods and Feeds, Vol. 4**—Francis A. Gunther, Ed.—Academic Press, 175 p., \$6. On residue tolerance values, Japanese regulations, influence of pesticide residues on soil properties, and residues from forage crops.

**SOUND AND ITS REPRODUCTION**—Jerome S. Meyer—World Pub. Co., 64 p., illus. by I. N. Steinberg, \$2.95. Makes clear to children the qualities and uses of sound waves.

**SPACE AGE DICTIONARY**—Charles McLaughlin, Ed.—Van Nostrand, 2nd ed., 236 p., illus., \$7.95. Concise, extensively revised dictionary of space age technology, offers simplified definitions for the general user.

**THE SUN: Star Number One**—Franklyn M. Brantley—Crowell, 139 p., illus. by Helmut K. Wimmer, \$3.95. Astronomer gives a popularly worded, scientific account of the sun, solar spectroscopy, solar energy, and the eclipses of sun and moon.

**TOO MANY AMERICANS**—Lincoln H. Day and Alice Taylor Day—Houghton, 298 p., \$4.95. The authors examine the causes and consequences of the rapid population increase in the United States, its effect on the status of the individual and the arguments for and against continued unrestricted population growth.

**UNION POWERS AND UNION FUNCTIONS: Toward a Better Balance—Labor Policy Subcommittee, CED, William C. Stolk, Chmn.—Committee for Economic Development, 43 p., paper, \$1 direct to publisher, 711 Fifth Ave., New York 22, N. Y.** A statement on national policy by the Research and Policy Committee of CED, including members' statements of dissent.

**WORD ASSOCIATION NORMS: Grade School through College**—David S. Palermo and James J. Jenkins—Univ. of Minn. Press, 469 p., \$7.50. Collected data on a research project of response frequencies to 200 stimulus words and idiosyncratic responses.

**THE YEAR OF THE GORILLA**—George B. Schaller—Univ. of Chicago Press, 260 p., photographs, drawings by author, \$5.95. Describes a year spent observing the upland gorilla in the eastern Congo and western Uganda, written by young anthropologist who shared the wilderness experience with his young wife.

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## Do You Know?

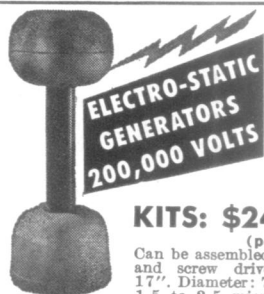
A new 1,500-miles-per-hour Anglo-French supersonic *airliner* will use its own wings, tail and 180-foot fuselage as an antenna system for long-range communications.

The *ultrasonograph*, a device utilizing sound waves at a frequency of 15 megacycles per second may aid in detecting dental caries in early stages.

It takes a ton of water to produce a pound of refined *sugar* in Hawaii.

The annual harvest of *sealskins* on the Pribilof Islands in the Bering Sea amounted to 85,254 skins for 1963.

• Science News Letter, 85:252 April 18, 1964



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