

# Books of the Week

Listing is for readers' information, not advertising. For convenient purchase of any book listed or any U.S. book in print, remit retail price (we pay postage) plus 25¢ handling charge if price is less than \$2 to Book Department, Science Service, 1719 N St., N.W., Washington, D. C. 20036.

**AFFECT, COGNITION AND PERSONALITY: Empirical Studies**—Silvan S. Tomkins and Carroll E. Izard, Eds.—Springer Pub. Co., 464 p., \$10. Presents in depth the work of several of the major investigators of affect.

**ALGEBRA: A Modern Introduction**—John L. Kelley and others—Van Nostrand, 335 p., \$6.75. A pre-calculus course in algebra for college students.

**ANATOMY OF A PHENOMENON: Unidentified Objects in Space, A Scientific Appraisal**—Jacques Vallee—Regnery, 210 p., illus., \$4.95. An attempt to analyze the reports and methods of investigation of early and recent claims of UFO sightings.

**THE ASTROPHYSICAL JOURNAL**, Supplement No. 93, Vol. X: General Catalogue of Discrete Radio Sources—William E. Howard III and Stephen P. Maran—Univ. of Chicago Press, 350 p., \$12. Includes description of a uniform flux-density system for observations of discrete radio sources based on data of the catalogue.

**BACKGROUND INFORMATION ON ATOMIC POWER WASTE HANDLING**—John F. Hogerton and others—Atomic Industrial Forum, rev. ed., 48 p., photographs, paper, \$1.50. On the technical, legal and economic aspects of atomic power and its safeguards.

**BINOCULARS & ALL-PURPOSE TELESCOPES: How to Choose, Test and Use Them**—Henry E. Paul—Chilton Bks., 128 p., photographs, \$2.95. Includes chapter on long-range photography.

**THE BIRD WATCHER'S AMERICA**—Olin Sewall Pettigill Jr., Ed.—McGraw, 441 p., illus. by John Henry Dick, \$7.50. Leading naturalists introduce the reader, region by region, to some of the best places for birds in the United States and Canada.

**BOUNDARY VALUE PROBLEMS**—A. G. Mackie—Hafner Pub. Co., 252 p., \$5.50. Account of methods of solving boundary value problems for linear ordinary and partial differential equations with emphasis on the use of Green's functions and integral transform techniques.

**CELL CULTURE IN THE STUDY OF BACTERIAL DISEASE**—Morris Solorovsky, Ed.—Rutgers Univ. Press, 121 p., illus., paper, \$4. Studies

of problems in bacterial host-parasite interaction, bacterial toxins and intercellular bacteria.

**COLLEGE PHYSICAL SCIENCE**—Wendell H. Slabaugh and Alfred B. Butler—Prentice-Hall, 2nd ed., 609 p., illus., \$9.50. Designed to be adaptable to either a one-semester short course or a full year's course of physical science as an integrated subject touching on many different disciplines.

**CORNING RESEARCH 1964: Articles by Corning Glass Works Scientists**—W. H. Armistead and others—Corning Glass Works, 102 p., illus., single copies free upon request direct to publisher, 717 Fifth Ave., New York, N.Y. 10022. Highly technical papers on glass chemistry, including the recent development of photochromic properties of glass.

**CRIME IN A CHANGING SOCIETY**—Howard Jones—Penguin, 174 p., paper, 95¢. Offers the general reader a sociologist's survey of the methods and aims of criminology and penology in a contemporary western society.

**CRISIS IN THE CONGO: A United Nations Force in Action**—Ernest W. Lefever—Brookings Inst., 215 p., maps, \$3.50; paper, \$1.95. Study brings together the facts and contributes to our understanding of the functions the United Nations can and cannot perform.

**DICTIONARY OF MINING**—A. Nelson—Philosophical Lib., 523 p., diagrams, \$15. Covers the terminology of mining engineering and related techniques and instruments, from "Abandonment Plan" to "Zurron."

**FLORAL BIOLOGY**—Mary Percival—Pergamon, 243 p., illus., paper, \$3.50. Incorporating the latest research, this volume deals with pollination, the biology of flower parts, animal food in flowers, pollen and nectar, and the features of bird- and insect-pollinated flowers.

**GALILEO: The Man, His Work, His Misfortunes**—James Brodrick, S.J.—Harper, 152 p., illus., \$3.50. Using contemporary documents, this slim volume tells the story of the scientist's struggle with Rome.

**GOLDBERGER ON PELLAGRA**—Milton Terris, Ed.—La. State Univ. Press, 395 p., \$12.50. Documents the process that led to the understanding and prevention of pellagra, presenting original papers and experiments as a model epidemiological study.

**THE GROWTH OF U.S. POPULATION: Analysis of the Problems and Recommendations for Research, Training and Service—Committee on Population—NAS-NRC**, 25 p., paper, \$1.25. Report concludes that nearly all economic, social and political problems become more difficult to solve in the face of uncontrolled population growth.

**A HISTORY OF THE ANCIENT WORLD**—Chester G. Starr—Oxford Univ. Press, 742 p., 30 plates, maps, \$12.50. The history of the Greco-Roman civilizations with parallel developments in Eurasia, the Near East and the Orient.

**INTRODUCTION TO QUANTITATIVE CHEMISTRY**—Joseph J. Klingenberg and Kenneth P. Reed—Reinhold, 333 p., \$6.50. A compact, modern analytical chemistry textbook.

**LEARNING MACHINES: Foundations of Trainable Pattern-Classifying Systems**—Nils J. Nilsson—McGraw, 137 p., diagrams, \$10. Offers unified and detailed treatment of major concepts and mathematical results underlying pattern-recognition devices such as Perceptron and other threshold logic units.

**METHODS OF SURVEYING AND MONITORING MARINE RADIOACTIVITY**—Ad Hoc Panel of Experts, C. Polvani, Chmn.—IAEA (International Publications, N.Y.), 95 p., paper, \$2. Discusses selection of required measurements, sampling, monitoring and analytical procedures for radionuclides.

**NEW PHYSICAL AND CHEMICAL PROPERTIES OF METALS OF VERY HIGH PURITY: Proceedings of the Colloquium sponsored by the Centre National de la Recherche Scientifique, Paris, 1959**—George S. Chaudron, Pres.—Gordon & Breach, 486 p., illus., \$24.50. Research papers and discussions, in English.

**NONDESTRUCTIVE TESTING**—Harold Berger—USAEC, 38 p., illus., paper, single copies free upon request direct to USAEC, P.O. Box 62, Oak Ridge, Tenn. Discusses present nondestructive testing methods, such as penetrating-radiation techniques and ultrasonic imaging.

**PHYSIOLOGY OF MAN**—L. L. Langley and E. Cherskine—Reinhold, 3rd ed., 658 p., illus., \$8.50. Up-to-date textbook, with emphasis on the integration of the different systems.

**THE PRIMITIVE CITY OF TIMBUCTOO**—Horace Miner—Doubleday, rev. ed., 334 p., 24 photographs, paper, \$1.75. Ethnographic study of primitive urban living of Songhai, Arabs and Bela in 1940, interpreted in terms of greater current knowledge.

**SCIENCE AND THE POLITICIAN**—Marcus C. Goodall—Schenkman Pub. Co., 83 p., \$2.65. Essays

dealing with the lack of rapport between scientist and politician, with suggestions for improvement.

**THE SCIENTIST**—Henry Margenau, David Bergamini and the Editors of LIFE—Time Inc., 200 p., illus., \$3.95 direct to TIME-LIFE Bks., 540 N. Mich. Ave., Chicago 11, Ill. In adult picture book form, this volume examines the scientist's personality, his unique style of inquiry, his domain, his problems and his effect on the man of today and the future.

**THE SIGN OF THE FLYING GOOSE: A Guide to the National Wildlife Refuges**—George Laycock—Natural Hist. Press (Doubleday), 299 p., photographs, maps, \$5.95. Tells the story of the U.S. refuge system and the people who fought for it and built it.

**THE SMITHSONIAN INSTITUTION**—Gene Gurney, preface by S. Dillon Ripley, II—Crown Pubs., 129 p., 200 photographs, \$3.95. A picture story of the Institution's buildings, exhibits and activities.

**THE SNOW BOOK**—Eva Knox Evans—Little, Brown, 72 p., illus. by Aldren A. Watson, \$3.25. Informative book for young readers, handsomely illustrated.

**SOLID ANALYTICAL GEOMETRY AND DETERMINANTS**—Arnold Dresden—Dover, 310 p., illus., paper, \$2. Reprint (1930).

**SOLID ORGANOALKALI METAL REAGENTS: A New Chemical Theory for Ionic Aggregates**—Avery A. Morton—Gordon & Breach, 248 p., diagrams, ref. ed. \$14.50; professional ed. \$7.50. Explains the author's new approach to the study of ionic aggregates.

**SPACE PROBES AND PLANETARY EXPLORATION**—William R. Corliss—Van Nostrand, 542 p., illus., \$7.75. Published in cooperation with NASA, this book discusses interplanetary scientific objectives, missions, spacecraft and techniques, and scientific space instruments.

**SUPERSONIC TRANSPORT**—Irwin Stambler—Putnam, 94 p., photographs, diagrams, \$3.29. The story of the building of a supersonic commercial transport.

**TEXTBOOK OF ORGANIC CHEMISTRY**—Lloyd N. Ferguson—Van Nostrand, 2nd ed., 755 p., diagrams, \$11.75. Thoroughly revised elementary organic chemistry text, featuring many teaching and learning aids.

**THEORETICAL AND MATHEMATICAL BIOLOGY**—Talbot H. Waterman and Harold J. Morowitz, Eds.—Blaisdell Pub. Co., 426 p., illus., \$12.50. Concerned with that area of modern biology where the different approaches of the traditional zoologists and botanists intersect with the newer, deductive methods of the biophysicists, biostatisticians and molecular biologists.

**TOWARD SELF-UNDERSTANDING: Group Techniques in Self-Confrontation**—Daniel I. Malan and Solomon Machover—Thomas, C. C., 269 p., \$8.50. Describes the clinical application of the workshop method and the actual procedure of leading a workshop in self-understanding.

**UNDERWATER PHOTOGRAPHY**—Dimitri Rebikoff and Paul Cherney—Chilton Bks., 126 p., photographs, \$3.95. Short discussion of developments in underwater work with cameras, lenses, lighting, equipment and techniques.

**THE UPPER LAYERS OF THE ATMOSPHERE**—I. A. Khvostikov, transl. from Russian—NASA (CFSTI), 577 p., illus., paper, \$8.85. Treatise on the structure, composition and dynamics of the upper atmosphere, intended for meteorologists, geophysicists and astronomers.

**WEATHER MODIFICATION: Sixth Annual Report for Fiscal Year Ended June 30, 1964**—National Science Foundation—GPO, 68 p., paper, 30¢. Summarizes present research activities.

• Science News Letter, 87:380 June 12, 1965

## Do You Know?

A new cream-form medication has been found to cure *tinea versicolor*, a chronic fungus condition affecting about 500,000 persons in the United States.

Lip reading remains the most widely used method of communicating with the deaf.

Birds that migrate at night are probably guided by the stars and the moon because in fog and inclement weather they seem to lose direction.

Home denture reliner kits may be a menace to dental public health.

• Science News Letter, 87:380 June 12, 1965

### FREE LIVE SEAHORSES

Have a hobby with hours of fun for all. Order LIVE MATED SEAHORSES sent Air Mail PPD from Fla. Orders receive a kit with FREE food, catalog and instructions for raising these exotic pets in a jar or fish bowl. Father seahorse gives birth to live "colts". A fascinating, educational, and interesting hobby. **GUARANTEED LIVE DELIVERY PAIR \$2.25—3 PAIR SPECIAL—\$4.48** Order TWO PAIR and receive (6) ONE PAIR FREE.

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