

# Books of the Week

For the editorial information of our readers, books received for review are listed. For convenient purchase of any U. S. book in print, send a remittance to cover retail price (postage will be paid) to Book Department, Science Service, 1719 N Street, N.W., Washington 6, D. C.

**ADVANCES IN CLINICAL CHEMISTRY**, Vol. 4—Harry Sobotka and C. P. Stewart, Eds.—*Academic Press*, 378 p., illus., \$12. Discusses developments in flame photometry, immunoelectrophoresis, and ultramicro methods, with a view to their concrete applications.

**ADVANCES IN IMMUNOLOGY**, Vol. 1—W. H. Taliaferro and J. H. Humphrey, Eds.—*Academic Press*, 423 p., illus., \$12. Comprehensive articles covering current research in immunology, especially in its theoretical and fundamental aspects, such as transplantation immunity and tolerance, and the antigenic structure of tumors.

**THE AMERICAN HERITAGE BOOK OF INDIANS**—William Brandon; Alvin M. Josephy, Jr., Ed.—*Am. Heritage (Simon & Schuster)*, 424 p., illus., \$15. A generously illustrated and popularly told history of the American Indian, from the Mayan past to Alaskan Indians of today, with introduction by President Kennedy.

**AMERICA'S FIRST SPACEMAN**—Jewel Spangler Smaus and Charles B. Spangler—*Doubleday*, 159 p., photographs, \$2.50. The personal story of Alan B. Shepard's childhood and career, with many family snapshots.

**ANALYSIS OF BISTABLE MULTIVIBRATOR OPERATION: The Eccles-Jordan Flip-Flop Circuit**—P. A. Neeteson—*Rider, J. F.*, 2nd ed., 92 p., diagrams, \$2.90. Of special interest to computing engineers.

**THE ART OF ARGUMENT**—Giles St. Aubyn—*Emerson Bks*, 128 p., \$2.95. Attempts to fill the need for a brief, simple groundwork in logic.

**BASIC MATHEMATICS**, Vol. 3: Developing Algebra, Geometry, Trigonometry and Calculus as Working Methods of Mathematics—Norman H. Crowhurst—*Rider, J. F.*, 138 p., diagrams, paper, \$3.90. Pictured-text course, encouraging student to understand and apply the principles he is learning.

**BIOLOGY: An Introduction to the Science of Life**—Clarence J. Goodnight, Marie L. Goodnight and Richard R. Armacost—*Wiley*, 460 p., illus. by Stephen R. Peck, photographs, \$6.95. Presents basic information with pertinent examples, discusses protoplasm and cells, human anatomy and physiology, the plant and animal kingdom, then reviews principles of genetics, evolution, ecology and conservation.

**CRYSTALLOMETRY**—P. Terpstra and L. W. Codd—*Academic Press*, 420 p., illus., \$12. Updated English version of Dutch edition published in 1946, book covers the fundamentals of geometrical crystallography, including the latest developments in goniometers.

**THE DESERT**—A. Starker Leopold and Eds. of Life—*Time Inc. (Life Bk. Dept.)*, 191 p., illus., \$3.95. A Life Nature Library volume, depicts plant, animal and human life in arid lands.

**ELEMENTARY CONCEPTS OF TOPOLOGY**—Paul Alexandroff, transl. by Alan E. Farley, preface by David Hilbert—*Dover*, 73 p., illus., paper, \$1. First translation from original German text.

**EXPERIMENTAL IMMUNOLOGY**—Robert G. Burrell and Carmine C. Mascoli—*Burgess*, 97 p., illus., paper, \$3.50. Laboratory manual of instructional procedures to be used in teaching the laboratory aspects of immunology.

**EXPLORING THE METROPOLITAN COMMUNITY**—John C. Bollens, Ed.—*Univ. of Calif. Press*, 492 p., illus., \$7.50. Major findings and methods of investigations made to bring out the significant characteristics of the St. Louis City-County area.

**FINGER PRINTS, PALMS AND SOLES: An Introduction to Dermatoglyphics**—Harold Cummins and Charles Midlo—*Dover*, 319 p., illus., paper, \$1.95. Unabridged, corrected republication of text dealing with history, methods, description and the more fundamental biological aspects of dermatoglyphics.

**GENERAL CYTOCHEMICAL METHODS**, Vol. 2—

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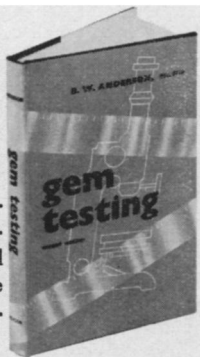
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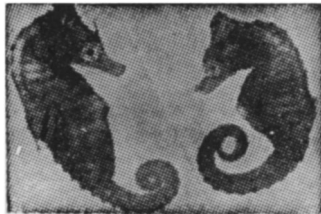
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J. F. Danielli, Ed.—*Academic Press*, 297 p., illus., \$10. Discusses such techniques as immersion refractometry of living cells, the Cartesian diver balance, substrate film method, and peroxide oxidation.

**HOW TO SOLVE CHESS PROBLEMS**—Kenneth S. Howard—*Dover*, 2nd rev. ed., 171 p., illus., paper, \$1. Illustrated with 112 modern problems by American problem composers.

**HYPNOSIS AND THE BODY IMAGE: A Projective Technique and Therapeutic Approach**—Fredricka F. Freytag—*Julian Press*, 271 p., illus., \$6.50. Under hypnosis, a patient can "see" himself, not as he would view his body in a mirror but as his unconscious mind would view himself. This can be of great assistance to the therapist.

**IMMUNODIFFUSION**—Alfred J. Crowle—*Academic Press*, 333 p., illus., \$10. Monograph gathers in one volume the basic knowledge of immunodiffusion, the history of its development, applications of immunodiffusion tests, and a wide variety of techniques and accessory procedures.

**MAKERS OF NORTH AMERICAN BOTANY**—Harry Baker Humphrey—*Ronald*, 265 p., \$6. Biographical sketches of 122 U. S. and Canadian botanists who influenced the development of botany in North America.

**MANUAL OF FIELD GEOLOGY**—Robert R. Compton—*Wiley*, 378 p., illus., \$7.25. Coverage restricted to those techniques and methods that geologists actually use in the field, also explains how to transform field data into useful form.

**MEN, ROCKETS AND SPACE RATS**—Lloyd Mallan, foreword by Gen. T. S. Power, USAF—*Messner*, 2nd rev. ed., 368 p., photographs, \$5.95. Updated to include recent record achievements in manned space flight, this is the story of men engaged in advanced research and in pioneering experiments.

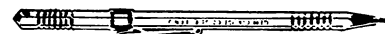
**MOHAVE ETHNOPSYSCHIATRY AND SUICIDE: The Psychiatric Knowledge and the Psychic Disturbances of an Indian Tribe**—George Devereux—*Smithsonian Inst. (GPO)*, 586 p., \$3.25. Systematic study of the psychiatric theories and practices of a primitive tribe.

**MY BEST PUZZLES IN MATHEMATICS**—Hubert Phillips ("Caliban")—*Dover*, 107 p., paper, \$1. Collection of puzzles that require only elementary mathematical knowledge.

**NEBRASKA SYMPOSIUM ON MOTIVATION, 1961**—Marshall R. Jones, Ed.—*Univ. of Neb. Press*, 210 p., illus., \$4.25; paper, \$3.25. Papers and comments on such subjects as the behavioral regulation of water-electrolyte balance, and the sensory and motivating properties of the sense of taste.

**ORGANIC CHEMICAL CRYSTALLOGRAPHY**—A. I. Kitaigorodskii, transl. from Russian—*Consultants*, rev. ed., 541 p., illus., \$17.50. Deals with structure studies on molecular crystals, addressed to organic chemists as well as crystallographers, with more than 500 diagrams making the work useful to both scientists and students.

**THE PEACE RACE**—Seymour Melman—*Bal-*



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*lantine Bks*, 152 p., paper, 50¢. An original, not a reprint, book discusses first the arms race, then offers industrial engineer's solutions for winning the peace.

**PHOTOELECTRETS AND THE ELECTROPHOTOGRAPHIC PROCESS**—V. M. Fridklin and I. S. Zheludev, transl. from Russian by A. Tybulewicz—*Consultants*, 195 p., illus., \$12.50. Comprehensive account of thermoelectrets, the thermoelectret and photoelectret state in ceramic dielectrics, and the use of photoelectrets in electrophotography.

**RIVER BASIN SURVEYS PAPERS: Inter-Agency Archeological Salvage Program**, Nos. 21-24—Frank H. H. Roberts, Jr., Ed.—*Smithsonian Inst. (GPO)*, 337 p., illus., \$2.25. Four papers, reporting the results of excavations in three reservoir areas destined to be covered by water.

**ROCKET PROPULSION TECHNOLOGY**, Vol. 1—D. S. Carton, W. R. Maxwell and D. Hurden, Eds.—*Plenum Press*, 374 p., illus., \$12.50. Proceedings of the First Rocket Propulsion Symposium, Cranfield, England, 1961. Main topic are reliability and controllability of solid-propellant motors and liquid-propellant engines.

**THE SIERRA**—W. Storrs Lee—*Putnam*, 350 p., illus. by Edward Sanborn, \$5.95. Documented narrative about the physical grandeur, human drama and economic significance of the great California mountain range.

**THE SOVIET SCHOOL OF CHESS**—A. Kotov and M. Yudovich—*Dover*, 390 p., illus., paper, \$2. Allowing for some historical propaganda statements, this presents up-to-date sourcebook on Russian chess theory and strategy, analyzing 128 outstanding games.

**STUDY ABROAD, 1962: International Handbook of Fellowships, Scholarships, Educational Exchange**—UNESCO—*Internat'l Publications Service (N.Y.)*, 13th ed., 722 p., paper, \$3.25. Compiled by UNESCO, directory describes more than 115,000 individual opportunities for international study, offered in 115 countries and territories, for periods from two weeks to seven years.

**THE VISION OF NATURE**—Sir Cyril N. Hinselwood—*Cambridge*, 33 p., paper, 75¢. The Fifteenth Arthur Stanley Eddington Memorial Lecture, 1961.

• Science News Letter, 81:28 January 13, 1962

ARCHAEOLOGY

**Oil Company "Strikes" Old Indian Burial**

See Front Cover

➤ THE SITE of an oil well was moved to save the site of an early Indian burial ground for archaeologists. Humble Oil and Refining Company of Houston, Tex., was preparing the site for a new well near Colusa, Calif., when diggers noticed small clamshell beads, a stone pipe and other artifacts embedded in the soil. Later four skeletons, of three adults and a child, were unearthed.

Experts believe the burial ground may date back to 500 A.D. The Wintun Indian tribe, living there nearly 1,000 years before the time of Columbus, were a peaceful people who practiced elaborate ceremonies and pageantry.

John S. Clemmer, secretary-treasurer of the Central California Archaeological Foundation, is seen on the front cover examining one of the Indian bones. With him is engineer Lenny Nolan of Humble.

• Science News Letter, 81:29 January 13, 1962

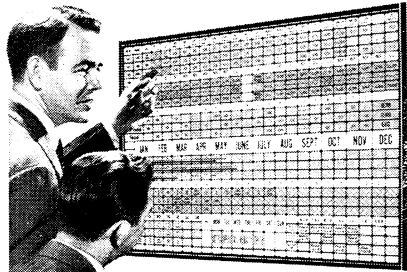
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