

# Books of the Week

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**ABC'S OF CITIZENS BAND RADIO**—Len Buckwalter—Sams, H. W., 2nd ed., 96 p., photographs, diagrams, paper, \$2.25. Explains how to choose, license, set up and operate Citizens band equipment without prior knowledge of electronics.

**AMERICANISMS: A Dictionary of Selected Americanisms on Historical Principles**—Mitford M. Mathews—Univ. of Chicago Press, 304 p., illus., \$5.95. Selected entries with dated and identified quotations illustrate words and meanings of words that first came into use in the United States, such as belittle, bleachers, flush times, draftee, grass-roots, malted milk and seaboard.

**ATMOSPHERIC REENTRY: An Introduction to its Science and Engineering**—John J. Martin—Prentice-Hall, 264 p., diagrams, \$16. This reference volume covers such topics as ballistic trajectories and properties, the earth's atmospheric properties, reentry kinematic and dynamic motion, reentry body and wake flow fields, and reentry scaling for system evaluation.

**AUSTRALIAN TIDAL FLATS**—Richard J. Russell and William G. McIntire—La. State Univ. Press, 49 p., photographs, maps, paper, \$2. Results of investigations along the eastern and western coasts of Australia, reporting on upper beaches, spring lines, lower beaches, drop-offs, seaward sand transport, sand dunes and diminishing sand supply.

**BEHAVIOR SCIENCE NOTES: HRAF Quarterly Bulletin, Vol. 1, No. 1**—Elizabeth Peirce Swift, Ed.—HRAF, 54 p., paper, \$1; quarterly, \$3 per year. This new bulletin will provide current information about area files concerned with the study of man, maintained at almost 100 universities and member research institutions of Human Relations Area Files. Each issue is to include at least one bibliographic survey, such as the ethnography of Mainland Southeast Asia, featured in this issue.

**CHAINS OF FIRE: The Story of Volcanoes**—Kent H. Wilcoxson—Chilton Bks., 235 p., 21 plates, map, \$6.95. Addressing the educated layman, this is not only a dramatic description of the great centers of violent volcanic activity but gives information about their formation, geological roots, glossary and includes bibliography.

**THE CONTEMPORARY UNIVERSITY: U.S.A.**—Robert S. Morison, Ed.—Houghton, 364 p., \$6.50. Scholarly essays on the state of U.S. university education today, the state universities, foundations and universities, the politics of large scale research, science in the university, the humanities, faculties, styles of teaching, and the students.

**COPPER-CATALYTIC REACTIONS**—Ovanes Akopovich Chaltykyan, transl. from Russian by A. Eric Stubbs—Consultants, 68., paper, \$10. The American edition of this monograph includes discussion of new information concerning hydration of butenyne, dehydrochlorination and dechlorination.

**CUNA**—Joanne M. Kelly—A. S. Barnes & Co., 440 p., illus., \$7.50. Introduces the reader to life among an Indian tribe in Panama, their rituals, feasts and ceremonies, tropical atoll and jungle wildlife.

**CURRICULUM IMPROVEMENT AND INNOVATION: A Partnership of Students, School Teachers and Research Scholars**—W. T. Martin and Dan C. Pink, Eds., introd. by Howard W. Johnson—Robert Bentley, Inc., 292 p., photographs, diagrams, \$8.95. Contains a selection of articles by study program directors, with illustrated accounts of samples of new science curriculum projects on the elementary, junior high and high school level, social study unit samples, curriculum changes in mathematics, and evaluation of the new curricular efforts.

**EMERGENCY CARE OF THE SICK AND INJURED: A Manual for Law-Enforcement Officers, Fire-Fighters, Ambulance Personnel, Rescue Squads and Nurses**—Committee on Trauma, American College of Surgeons; Robert H. Kennedy, M.D., Ed.—Saunders, 128 p., illus., vinyl cover, \$2. Contributions by 18 authorities on the care of specific injuries at the site of accident and until they reach the hospital.

**F-M MULTIPLEXING FOR STEREO**—Leonard Feldman—Sams, H. W., 2nd ed., 176 p., photographs, diagrams, paper, \$3.25. For the hobbyist, covers the principles, the theory and operation of various receiver circuits, details of aligning and servicing.

**THE FIRST BOOK OF BEARS**—Robert Whitehead—Watts, F., 56 p., illus. by James Teason, map, \$2.65. About the history, physiology and various kinds of bears surviving today.

**THE FIRST BOOK OF WOOL**—Betty Cavanaugh and George Russell Harrison—Watts, F., 60 p., photographs, \$2.65. The story of wool, from sheep to textile.

**FORMULA INDEX TO NMR LITERATURE DATA, Vol. 2: 1961-1962 References**—M. Gertrude Howell, Andrew S. Kendle and John S. Webb, Eds.—Plenum Press, 516 p., diagrams, \$22.50. Identifies approximately 5700 organic compounds by empirical formula, by structural formula where known or by common name.

**FRUIT GROWING**—R. T. Dixon—Pergamon Press, 119 p., drawings, vinyl cover, \$2.45. A British rural studies activity guide book, showing in simple detail tested methods of modern fruit growing.

**HANDBOOK OF BIRDS OF EASTERN NORTH AMERICA: With Introductory Chapters on the Study of Birds in Nature**—Frank M. Chapman—Dover, 581 p., illus. by Louis Agassiz Fuertes and others, paper, \$3. Unabridged republication of the second revised edition published in 1939, with new color chart and enlarged folded map.

**HUMAN SPATIAL ORIENTATION**—I. P. Howard and W. B. Templeton—Wiley, 533 p., illus., \$13.50. Comprehensive treatment of the physiological bases as well as theoretical, experimental and applied aspects of the spatial senses, behavior in response to gravity, egocentric localization, shape discrimination, geographical orientation, visual-motor coordination and human factors in space travel.

**INTRODUCTION TO COMPUTING**—T. E. Hull—Prentice-Hall, 212 p., diagrams, \$9.25. Emphasizes the fundamentals of algorithms and store-program computers, and the basic techniques involved in implementing algorithms on computers.

**INTRODUCTION TO STRONG INTERACTIONS: A Lecture-Note Volume**—David Park—Benjamin, W. A., 253 p., diagrams, \$9; paper, \$4.95. Written for both graduate students and research physicists, this text gives a modern account of strong interactions of elementary particles.

**IRRIGATION**—Josef D. Zimmerman—Wiley, 517 p., illus., folding charts, \$17. Written for the practicing irrigation and agricultural engineer, the book shows how sound and profitable irrigation and drainage systems can be developed best as an integrated part of over-all planning leading to economic water development and utilization.

**RELIABILITY HANDBOOK**—W. Grant Ireson, Ed.-in-Chief—McGraw, 688 p., illus., \$22.50. Provides comprehensive coverage, from design stage to field use and maintenance, with detailed information on mathematical and statistical techniques used in designing, conducting and evaluating test programs.

**RHEUMATOID ARTHRITIS: A Handbook for Patients**—Arthritis Foundation, 20 p., paper, single copies free upon request direct to Foundation, 1212 Ave. of the Americas, New York 10036. Deals with the chief symptoms of the disease, its diagnosis, various treatments used, the importance of rest, exercise and the effect of climate.

**RUSSIAN-ENGLISH DICTIONARY OF PRESTRESSED CONCRETE AND CONCRETE CONSTRUCTION**—Ben C. Gerwick, Jr. and Peter V. Peters, Eds.—Gordon & Breach, 113 p., \$12. Contains some 13,000 terms, designed to enable the English-speaking architect and engineer to read and translate Russian journals and techni-



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cal papers in the field of precast and prestressed concrete.

**THE SEX CHROMATIN**—Keith L. Moore, Ed.—Saunders, 474 p., illus., \$16. The emphasis in these papers by 22 contributors is on showing how the sex chromatin has been useful clinically and in research in various fields of biological science.

**SPACE MEASUREMENTS SURVEY: Instruments and Spacecraft, October 1957-March 1965**—Henry L. Richter, Jr., Ed.—NASA SP-3028 (CFST1), 1008 p., illus., paper \$6. Summarizes the pertinent characteristics of much of the scientific instrumentation carried in orbital and deep space vehicles, arranged chronologically, with master cross index listing entries by subject, title and common name.

**THE STORY OF MAPS AND MAP-MAKING: How Man Has Charted His Changing World, from Ancient Times to the Space Age**—James A. Hathway—Golden Press, 58 p., illus. by Harry McNaught, \$2.95. An informative picture book for young readers.

**TASTE, TOUCH AND SMELL**—Irving and Ruth Adler—Day, 48 p., illus., \$2.68. Describes to children how senses work through the electrical network of the nervous system, and what purpose each of them serves.

**TEACHER OF BRAIN-INJURED CHILDREN: A Discussion of the Bases for Competency**—William M. Cruickshank, Ed.—Syracuse Univ. Press, 334 p., \$5. Specialists from many disciplines explore the specialized competencies and qualities needed by teachers of brain-injured children.

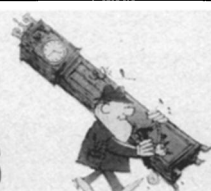
**THE TERRITORIAL IMPERATIVE: A Personal Inquiry Into the Animal Origins of Property and Nations**—Robert Ardrey—Atheneum, 390 p., illus. by Berdine Ardrey, \$6.95. A very personable investigation, both witty and literate, into contemporary findings of natural science and research concerning the territorial behavior of animals and drawing conclusions concerning similar characteristics in human behavior.

**WEIGHT, HEIGHT AND SELECTED BODY DIMENSIONS OF ADULTS: United States, 1960-1962**—Howard W. Stout and others—PHS (GPO), 44 p., paper, 35¢. Vital statistics on age and sex distributions for weight, height, sitting height, knee height, buttock-knee length, elbow-to-elbow breadth and other specific measurements.

**THE WHOOPING CRANE: The Bird That Defies Extinction**—Faith McNulty, introd. by Stewart L. Udall—Dutton, 190 p., 19 photographs, drawings, maps, \$9.5. A history of the rare, majestic bird, its habits, migration and detailed data on the few survivors of the species in the United States.

**WILD GEESE CALLING**—Robert Murphy—Dutton, 96 p., illus. by John Kaufmann, map, \$3.50. Story about Canada geese, a boy and his friendship with a wild gander during one winter.

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