

# 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 Order Service, Science News, 1719 N St., N.W., Washington, D.C. 20036. Prices subject to publishers' changes. Be sure to include zip code in your address.

**AMERICAN BOOK PUBLISHING RECORD:** BPR Annual Cumulative 1965—Phyllis B. Stecker, Ed., index by Margaret McFarland—Bowker, 1433 p., \$25. A record of books published in 1965 as catalogued by the Library of Congress and annotated by Publishers' Weekly, arranged by subject according to the Dewey Decimal Classification, indexed by author and title. Replaces the annual AMERICAN SCIENTIFIC BOOKS.

**AQUATIC WEED CONTROL STUDIES—**N. E. Otto and T. R. Bartley—GPO, 40 p., illus., paper, 35¢. A technical publication by the Water Conservation Branch of the Department of the Interior, describes progress of laboratory and field studies, particularly, in the control of pond weeds.

**ATOMS, NATURE AND MAN: Man-made Radioactivity in the Environment—**Neal O. Hines—USAEC, 57 p., illus., paper, single copies free direct from USAEC, P.O. Box 62, Oak Ridge, Tenn. 37830. Summarizes environmental and biological research involving radioisotopes.

**BARBARA: The Unconscious Autobiography of a Child Genius—**Harold Grier McCurdy, Ed., with Helen Follett—Univ. of N. C. Press, 146 p., photographs, \$4.75. Told largely in the gifted girl's own words, this record should appeal to readers interested in childhood psychology, personality development and literary creation.

**BENNY'S ANIMALS AND HOW HE PUT THEM IN ORDER—**Millicent E. Selsam—Harper, 61 p., illus. by Arnold Lobel, \$1.95. Delightfully illustrated book about two little boys learning to classify animals.

**BIOMEDICAL ASPECTS OF SPACE FLIGHT—**James P. Henry—Holt, 184 p., photographs, diagrams, \$2.95. Physician-scientist discusses the vital, biomedical aspects of the problems man confronts in his attempt to control his environment while venturing into space.

**BOND ENERGIES, IONIZATION POTENTIALS AND ELECTRON AFFINITIES—**V. I. Vedeneyev and others, transl. from Russian, foreword by W. C. Price—St. Martins, 202 p., \$8.50. Collection of data arranged in systematic form for the research worker and technologist.

**THE BROKEN IMAGE—**Man, Science and Society—Floyd W. Matson—Doubleday, 342 p., paper, \$1.45. Reprint (1964) of essay attempting a synthesis of ideas and developments from the full range of modern scientific thought and suggesting new connections between the various fields.

**CELL WATER—**D. A. T. Dick—Butterworths, 155 p., illus., \$6.95. A study of water in the living cell, intended as a brief survey for senior undergraduates and young research workers.

**CHURCHILL: The Struggle for Survival, 1940-1965—**Taken from the Diaries of Lord Moran—Houghton, 877 p., photographs, \$10. Notes taken down by Churchill's physician reflecting the strain of political office, and the rare understanding between the Prime Minister and his medical advisor.

**COMMUNICATIONS IN SPACE—**Leonard Jaffe—Holt, 176 p., illus., \$2.95. The concise record of the technical progress made so far in the development of communications satellites such as SCORE, COURIER, ECHO, WEST FORD, RELAY, TELSTAR and SYCOM.

**CONFERENCE ON V/STOL AND STOL AIRCRAFT—**Ames Research Center—NASA SP-116 (CFSTI), 467 p., illus., paper, \$5.25. Contains results of recent NASA research concerning helicopters and propeller V/STOL, lift-fan and cruise-fan, jet-lift V/STOL, handling qualities and concepts for short-haul transports.

**CRYSTALS, DIAMONDS AND TRANSISTORS—**L. W. Marrison—Penguin Bks., 312 p., plates, diagrams, paper, \$1.95. A research chemist explains what crystals are, how they grow, describes in detail such crystalline materials as gems, marble, salt, ice and sand, gives an analysis of the defects of crystals and discusses recent developments in the semiconductor field.

**DIALOGUE WITH ERICH FROMM—**Richard I. Evans—Harper, 136 p., \$4.95. Designed to provide the reader unacquainted with the psychoanalyst's work with an overview of his psychology, major conceptualizations and general philosophy of man.

**ESP: A Scientific Evaluation—**C.E.M. Hansel, introd. by Edwin G. Boring—Scribner, 263 p., diagrams, \$6.95. Examines the evidence of ear-

lier examinations of psychic phenomena and of the later somewhat controlled parapsychological experiments, pointing out in this historical review that scientific success in this field usually amounts to parascientific failure, but that proving the negative does not convince the believer.

**ELECTRONIC TIME MEASUREMENTS—**Britton Chance and others, Eds.—Dover, 538 p., illus., paper, \$3. First published in 1949 as Vol. 20 in the M.I.T. Radiation Laboratory series.

**EPIDEMIOLOGICAL APPROACHES TO THE STUDY OF CANCER AND OTHER CHRONIC DISEASES—**William Haenszel, Ed.—Nat. Cancer Inst. Monograph 19 (GPO), 465 p., photograph of Harold F. Dorn, \$3.75. Presents findings from prospective studies such as the Dorn Study of Smoking and Mortality among U.S. Veterans, British-Norwegian migrant studies, and uses of death certificates.

**EXPERIMENTAL PHYSICS AT LOW TEMPERATURES: An Introductory Survey—**Lachlan Mackinnon—Wayne State Univ. Press, 273 p., diagrams, \$9.95. Aimed at early graduate study, the course covers current research interest in liquid helium, superconductivity, theory of metals and experiments on electrons in metals.

**EXPERIMENTS IN VISUAL SCIENCE: For Home and School—**James R. Gregg—Ronald Press, 158 p., illus. by Bernice K. Gregg, \$5. Amply illustrated simple demonstrations exploring vision, reflection and refraction of light, visual acuity, dark adaptation, stereo phenomena and motion effects.

**FAR PACIFIC TRAVEL GUIDE—**John C. Caldwell—Day, 384 p., maps, \$6.95. Describes from personal knowledge how to plan to see the highlights of Japan, Formosa, Korea, Hong Kong, Indonesia, Australia, New Zealand, India and other parts of the Orient.

**FORECASTING FROM HARMONIC PERIODS IN PRECIPITATION—**C. G. Abbot—Smithsonian Press, 16 p., diagrams, paper, 50¢. Paper presents evidence that the identical family of harmonic periods found in solar variation is also present strongly in terrestrial precipitation.

**GOVERNMENT, SCIENCE AND PUBLIC POLICY: A Compilation of Papers Prepared for the Seventh Meeting Panel on Science and Technology—**House Committee on Science and Astronautics—GPO, 58 p., paper, 40¢. Contains papers by C. P. Snow, Lee A. DuBridge, Gerard Piel, Roger Revelle, Charles C. Price and Guy Suits.

**HOME BOOK OF ANIMAL CARE—**Esther L. Guthrie with the technical assistance of Robert C. Miller—Harper, 302 p., illus., \$5.95. Handbook of information for child, parent or teacher concerned with the care and handling of both familiar and strange animals.

**I PROTEST: Selected Disquisitions of E. W. Scripps—**Biographical introduction by Oliver Knight, Ed.—Univ. of Wis. Press, 799 p., plates, \$12.50. Collection of writings by the remarkable newspaper publisher one of whose innovations was the founding of Science Service in 1921 as a specialized news service for the dissemination of reliable scientific information to the general public.

**KLYSTRONS AND MICROWAVE TRIODES—**Donald R. Hamilton, Julian K. Knipp and J. B. Horner Kuper—Dover, 533 p., diagrams, paper, \$3. Originally (1948) published as Vol. 7 in the M.I.T. Radiation Laboratory series.

**THE LAND AND PEOPLE OF CHILE—**J. David Bowen—Lippincott, 154 p., photographs, map, \$3.25. An introduction to the variety of climate and scenery in Chile and the way Chileans live in the different parts of their country.

**LAWS GOVERNING HOSPITALIZATION OF THE MENTALLY ILL—**Formulated by the Committee on Psychiatry and the Law—Group for the Advancement of Psychiatry, 32 p., paper, 50¢. Proposed recommendations by psychiatrists that may improve treatment prospects for the mentally ill.

**MICROWAVE RECEIVERS—**S. N. Van Voorhis, Ed.—Dover, 618 p., illus., paper, \$3. Unabridged republication of work first published in 1948.

**THE ORIGIN AND EVOLUTION OF THE UNIVERSE—**Evry Schatzman, transl. from French by Bernard and Annabel Pagel—Basic Bks., 288 p., plates, diagrams, \$8.50. First pub-

lished in France in 1957, this English edition has been updated by the author to include recent discoveries important from the cosmogonic viewpoint.

**RADAR AIDS TO NAVIGATION—**John S. Hall, Ed.—Dover, 389 p., illus., paper, \$2.75. Unabridged republication (1947).

**THE ROLE OF MATHEMATICS IN THE RISE OF SCIENCE—**Salomon Bochner—Princeton Univ. Press, 386 p., \$9. Collection of revised essays with biographical sketches, emphasizing the nature, growth and spread of mathematics into ever wider areas of knowledge.

**THE RUNNING FOXES—**Joyce Stranger—Viking Press, 152 p., illus. by David Rook, \$3.95. A novel about English country life, centering with sympathy on the fox.

**SEX AND THE COLLEGE STUDENT: A Developmental Perspective on Sexual Issues on the Campus; Some Guidelines for Administrative Policy and Understanding of Sexual Issues—**Committee on the College Student, GAP, J. B. Wheelwright, Chmn.—Group for the Advancement of Psychiatry (Atheneum), 178 p., paper, \$2.45. Reprint (1965).

**SILICON RECTIFIER HANDBOOK—**Bob Dale and William Max Ivey, Eds.—Motorola, 216 p., illus., spiral-bound, \$1.50 direct to Technical Information Center, Box 955, Phoenix, Ariz. 85001. Engineers' guide to silicon rectifier applications.

**THE SIX-CORNERED SNOWFLAKE—**Johannes Kepler; transl. from Latin by Colin Hardie, Ed.; essays by L. L. Whyte and B. F. J. Mason—Oxford Univ. Press, 75 p., illus., \$3.40. First English translation of Kepler's probing essay (1611) on the hexagonal form of the snowflake. Some questions concerning the genesis of symmetrical form are answered but others are still open, even taking into account the principles of physics known in 1965.

**TECHNIQUE OF MICROWAVE MEASUREMENTS, Vols. 1 and II—**Carol G. Montgomery, Ed., foreword by L. A. DuBridge—Dover, 939 p., illus., paper, 2 vol. set \$4. Unabridged republication of first (1947) edition.

**TRANSISTORS AND INTEGRATED CIRCUITS—**Donald C. Latham—Lippincott, 197 p., illus. by Martin Co., \$4.50. Discusses the background which led to the development of today's advanced transistor technology and the underlying physical principles, then illustrates how some simple transistor circuits can be built.

**WEBSTER'S NEW WORLD WORD BOOK—**Compiled by Shirley M. Miller—World Pub. Co., 308 p., \$2.50. Pocket-size guide to the spelling and syllabification of the 30,000 words most frequently consulted by users of dictionaries.

**WHAT'S BEST FOR YOUR CHILD AND YOU—**David Goodman—Association Press, 192 p., \$3.95. Practical advice for a wholesome family relationship.

**YOUR CAREER IN TV AND RADIO—**George N. Gordon and Irving A. Falk—Messner, 221 p., photographs, \$3.95. Explores for the young adult the entire broadcast industry, stressing qualifications, education, skills and personality necessary for a successful career in the many diverse occupations offered.

• Science News, 89:424 May 28, 1966

## Handbook of Knots & Splices

By CHARLES E. GIBSON  
Now tie knots for every purpose—useful, ornamental, fun-to-make!

Book gives complete "1-2-3" sketches and instructions for every hitch, splice, bend, sling, lashing or whipping you'll ever need for boating, camping, climbing, fishing, hunting . . . for patio awnings, swings, hammocks, rope fences, "welcome" mats . . . ornamental lamps, vases, bell ropes, key chains, buggy whips, cat-o-nine tails, rope hand-cuffs, play quoits, etc.

They're all here . . . over 100 kinds of knots and rope-work! From the simple square knot to such fancy numbers as the Manrope, Stopper, Shroud, Crown, Turk's Head, and Pineapple knots. Also covers plaiting, braiding, much more! "Highly recommended."—*Library Journal*.

Profusely illustrated  
10-day Money-Back Guarantee • Send only \$3.95 to  
**EMERSON BOOKS, Inc., Dept. 914-P**  
251 West 19 Street, New York, N.Y. 10011

