

Books of the Week

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THE AGE OF MOUNTAINEERING—James Ramsey Ullman—Lippincott, 364 p., photographs, \$7.50. Based on the author's earlier (1954) book **HIGH CONQUEST**, includes the Mt. Everest expedition of 1963 and other recent ascents.

THE AMATEUR ASTRONOMER AND HIS TELESCOPE—Gunter D. Roth, transl. from German by Alex Helm—Van Nostrand, 152 p., photographs, diagrams, \$5.75. A sourcebook for amateur astronomers who wish to undertake serious and systematic practical observations.

ARGEN, THE GULL—Franklin Russell—Knopf, 239 p., photographs by author, \$4.95. Tells the story of a sea gull's life with intimate knowledge of the herring gull gained on the coastal cliffs of Newfoundland.

AUDUBON'S WILDLIFE—Edwin Way Teale with selections from the writings of John James Audubon—Viking Press, 256 p., illus., \$15. A handsome gift book providing a new look at the work of this acute observer of nature and artist, seen through the eyes of a contemporary naturalist.

CAMBRIDGE, U.S.A.: Hub of a New World—Christopher Rand—Oxford Univ. Press, 195 p., \$4.50. About the interplay of local electronics laboratories with the educational institutions, Harvard and M.I.T., the uses of computers by a diversity of scholars, and the closer ties of all with government and its affairs.

CIVILIZATION IN TRANSITION—C. G. Jung, transl. from German by R. F. C. Hull—Pantheon Bks., 618 p., illus., \$6.75. Volume 10 of the *Collected Works of C. G. Jung*, Bollingen Series XX, comprises essays bearing on the contemporary scene, particularly on the relation of the individual to society.

COMPARATIVE BIOCHEMISTRY: A Comprehensive Treatise, Vol. VII, Supplementary Volume—Marcel Florjkin and Howard S. Mason—Academic Press, 476 p., \$15. Deals with pentose phosphate cycle, with cellular aspects of active transport, hormones and behavior, and the comparative biochemistry of antibiotics and antibiotics.

CONTRACEPTION AND CATHOLICS: A New Appraisal—Louis Dupre—Helicon Press, 94 p., \$1.95. Re-examines under the impact of new developments, both medical and demographic, the relevance of the customary teaching of the Church on the question of birth control.

THE DEEP AND THE PAST—David B. Ericson and Goesta Wollin—Knopf, 316 p., 16 plates, diagrams, \$6.95. Based primarily on the authors' studies of cores of deep-sea sediment and the results of these studies, the book is an account of scientific methods capable of tracing the four ice ages and the three great interglacial eras.

DICTIONARY OF HERPETOLOGY: A Brief and Meaningful Definition of Words and Terms Used in Herpetology—James A. Peters—Hafner Pub. Co., 392 p., 30 p. illus., \$11.50. Authoritative definitions of some 3,000 words and specialized terms, with citations to the herpetological literature providing further information.

THE DIMENSIONS OF DIPLOMACY—McGeorge Bundy and others; E. A. J. Johnson, Ed.—Johns Hopkins Press, 135 p., \$3.95. Essays dealing with the techniques and efficacy of diplomatic activity in relation to strategy, science, economics and scholarship.

DYING TO SMOKE—Robert Osborn and Fred W. Benton, M.D.—Houghton, 111 p., illus., \$4.95. Depicts with rather grim humor the facts about inhaling, and about forming the habit and breaking the habit of smoking.

EARLY ELECTRICAL COMMUNICATION—E. A. Marland—Abelard-Schuman, 220 p., plates, diagrams, \$6. Emphasis is on the patient investigations of the workers of 19th century that laid the foundations to our modern techniques of electrical communications.

ELECTRONS ON THE MOVE—Allan Bennett and others, Sharon Banigan, Ed.—Walker & Co., 229 p., illus., \$5.95. Scientists of the Westinghouse Research Laboratories here describe what they know about the electron and explain the control and use of electron motion in the light of advanced theory.

ICE AND SNOW: Properties, Processes and Applications—W. D. Kingery, Ed.—M.I.T. Press, 684 p., illus., \$16. Conference proceedings (1962), reporting on research and engineering studies on ice properties, glacier flow, solidification phenomena and bearing capacity of sea ice, snow properties, and ablation.

IF YOU DON'T MIND MY SAYING SO: Essays on Man and Nature—Joseph Wood Krutch, foreword by John K. Hutchens—Sloane Associates, 402 p., \$5.95. Naturalist-philosopher's eloquent writings about the issues and phenomena affecting civilized man in the modern world.

INTRODUCTION TO MINE SURVEYING—W. W. Staley—Stanford Univ. Press, 2nd ed., 303 p., illus., \$7.50. Completely revised and expanded text on underground and auxiliary surface surveying.

JOHN JAMES AUDUBON—Alice Ford—Univ. of Okla. Press, 488 p., illus., \$7.95. Biographical account based on previously inaccessible personal collections of records, documents and letters.

LIFE HISTORIES OF NORTH AMERICAN CUCKOOS, GOATSUCKERS, HUMMINGBIRDS AND THEIR ALLIES, Parts I and II—Arthur Cleveland Bent—Dover, 506 p., 73 plates, paper, \$2.50 each, two-vol. set \$5. Volume I deals with nighthawk, swift and hummingbird families exclusively.

LIFE HISTORIES OF NORTH AMERICAN JAYS, CROWS AND TITMICE, Vols. I and II—Arthur Cleveland Bent—Dover, 495 p., 68 plates, paper, \$2.50 each; two-vol. set \$5. Reprint (1946).

THE LIVING METHOD COURSE IN SPEED MATHEMATICS: Your Teacher on Records—David Gordon—Crown Publishers, 74 p., four 3 1/2 r.p.m. records, boxed, \$9.95. A four-record course with instruction manual, designed to increase the speed and accuracy of mental and written calculations.

MAN AND SPACE—Arthur C. Clarke and the Editors of LIFE—Time Inc. Bk. Div., 200 p., illus., 72 p. in color, \$3.95 direct to publisher, \$4.00 N. Mich. Ave., Chicago, Ill. Reviews the history of man's interest in space, and analyzes and illustrates the technological developments that have enabled him to explore this new frontier.

MY VIEW OF THE WORLD—Erwin Schrodinger, transl. from German by Cecily Hastings—Cambridge Univ. Press, 110 p., \$3.50. Two essays summarizing the Nobel Prize winner's philosophical views on the metaphysical nature of the world.

NOW TRY THIS: Problems, Projects and Tests to Accompany Health Science Series, Book 6—Herman and Nina Schneider and Brenda Lansdown—Health, 172 p., illus., paper, \$1.24. Evaluation-activity book, teacher edition.

THE ORIGINS AND EVOLUTION OF ATMOSPHERES AND OCEANS—Peter J. Brancaccio and A. G. W. Cameron—Wiley, 314 p., illus., \$12.50. Proceedings of 1963 conference, including some of the most recent theoretical and experimental developments related to the processes responsible for production and subsequent development of planetary atmospheres and oceans.

THE SCIENCE OF SMELL—R. H. Wright—Basic Bks., 164 p., illus., \$4.95. A survey of olfaction and olfactory responses, deals with fish migration, infrared spectroscopy, nerve physiology, communication theory, animal behavior and quantum mechanics.

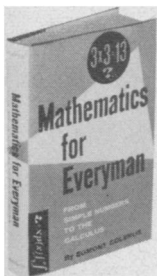
THIS IS PSYCHIATRY—Felix von Mendelssohn—Watts, Franklin, 237 p., \$7.95. Concerned with principles and structure of contemporary psychiatry, the book addresses itself to professional people who have to deal with mental illness.

THOREAU ON BIRDS—Compiled and with Commentary by Helen Cruickshank, foreword by Roger Tory Peterson—McGraw, 331 p., illus., \$7.95. Handsome book, brings together the most interesting passages about birds from all of Thoreau's writings, together with modern comments.

• Science News Letter, 86:380 December 12, 1964

Mathematics for Everyman

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Do You Know?

Kidney disease kills more than a million persons each year.

Plants treated with decenylsuccinic acid are undamaged by freezing temperatures and have survived prolonged dry spells.

Of the one- to four-year-old age group of U.S. children last year 40% had not received a smallpox vaccine.

In many parts of Africa, rapidly growing bush has engulfed great tracts of once-useful land and created desolate, poverty-stricken regions.

• Science News Letter, 86:380 December 12, 1964

TELLS HOW TO SELL YOUR INVENTION

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