## 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.

THE ADVANCEMENT OF SCIENCE, Vol. XXI, No. 92—J. M. Robertson, Ed.—Brit. Assn. for the Advancement of Science, 94 p., illus., paper, \$1.25. This issue includes important articles on the sun and the ionosphere, on the biological basis of criminal behavior, and on engineers at the cross-roads.

ADVANCES IN MARINE BIOLOGY, Vol. 2—F. S. Russell, Ed.—Academic Press, 274 p., \$0.50. Contains contributions on the artificial propagation of marine fish, blood groups of marine animals, the present status of some aspects of marine microbiology, and methods of sampling the benthos.

BIRDS OF THE WORLD IN COLOR—Hans Hvass, transl. from German by Gwynne Vevers—Dutton, 211 p., illus. by Wilhelm Eigener, \$4.95. Deals with 1,100 species, each one shortly described and illustrated in color.

EFFECTS OF LOW TEMPERATURES ON STRUCTURAL METALS—NASA (GPO), 55 p., illus, paper, 40¢. A Technology Utilization Report on cryogenic property data.

THE EIGHTFOLD WAY—Murray Gell-Mann and Yuval Ne'eman—Benjamin, W. A., 317 p., \$9; paper, \$4.95. Monograph presents research papers dealing with the classification of strongly interacting particles and their interactions according to the eightfold way symmetry which was recently confirmed by the discovery of the omega minus meson.

THE HISTORY OF ROCKET TECHNOLOGY:
Essays on Research, Development and Utility—Eugene
M. Emme, Ed.—Wayne State Univ. Press, 320 p.,
illus., \$8.50. Authoritative articles on the dynamic
development of modern rocket technology, on the major
U.S. rocket programs, manned flight, and related technology.

HOUSE PLANTS FOR CITY DWELLERS—Alys Sutcliffe—Dutton, 159 p., photographs, line drawings, \$3.95. A practical garden guide written by horticulturist.

INTENSITY THEORY FOR INFRARED SPECTRA OF POLYATOMIC MOLECULES—Lev Aleksandrovich Gribov, transl. from Russian—Consultants, 113 p., paper, \$15. A step-by-step outline of a semi-empirical theory of the intensities and polarizations in infrared emeters.

THE LAND AND PEOPLE OF IRAN—Helen Hinckley—Lippincott, 160 p., photographs, map, \$3.25. Portrait of a contemporary nation, better known by its ancient name of Persia.

THE LAND AND PEOPLE OF IRAQ—Bahija Lovejoy—Lippincott, 160 p., photographs, \$3.25. A portrait of the contemporary Iraqui, his culture and his country formerly known as Mesopotamia.

THE LAND AND PEOPLE OF SOUTH AFRICA—Alan Paton—Lippincott, 162 p., photographs, map, \$3.25. Up-to-date portrait of a complex nation, its people and cities.

## LANGUAGES? Easy!

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## THE MATH ENTERTAINER

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LIGHTNING IN HIS HAND: The Life Story of Nikola Tesla—Inez Hunt and Wanetta W. Draper—Sage Bks. (Swallow, Alan), 269 p., photographs, \$5. Biography of the well-known experimental scientist and discoverer of the alternating current.

Living IDEAS IN AMERICA — Henry Steele Commager, Ed.—Harper, 2nd enlarged ed., 872 p., \$7.50. New edition has added 100-page section on the struggle for racial equality, including pertinent material from the Civil War to the Civil Rights Act of 1964.

THE LOON IN MY BATHTUB—Ronald Rood— Stephen Greene Press, 176 p., photographs, \$4.50. About wildlife guests indoors.

LOW TEMPERATURE TECHNIQUES: The Use of Liquid Helium in the Laboratory—A. C. Rose-Innes—Van Nostrand, 162 p., illus., \$4.75. Guide to the use of liquid helium and the production, measurement and employment of very low temperatures in the laboratory

LUNAR MISSIONS AND EXPLORATIONS—
C. T. Leondes and R. W. Vance, Eds.—Wiley, 669
p., photographs, diagrams, \$17.50. An orderly presentation to the scientific and lay communities covering the technical problems of the first phase of deep space flight by authorities in such fields as propulsion, trajectory analysis, life support and reentry.

MACROMOLECULAR STRUCTURE OF RIBO-NUCLEIC ACIDS—A. S. Spirin, transl. from Rus-sian, Jacob A. Stekol, Ed.—Reinhold, 210 p., illus . \$10. Describes in compact form the known facts about the macrostructure of the various RNA's.

THE MATHMEN—Leon Terry—McGraw, 222 p., lus. by P. A. Hutchison, \$3.95. About the Greek athematicians and their contributions, from Thales

MEDICAL PRACTICE AND PSYCHIATRY: The MEDICAL PRACTICE AND PSYCHIATRY: The Impact of Changing Demands—Committee on Public Education—Group for the Advancement of Psychiatry, 48 p., paper, 75 f. Designed to aid physicians in meeting increased demands from the public for help with the emotions of their patients.

MEN OF ANCIENT IOWA: As Revealed by Archaeological Discoveries—Marshall McKusick—Iowa State Univ. Press, 260 p., illus, \$6.50. A graphic study of the archaeological evidence of the Indians who lived in Iowa.

THE NEW IMPROVED AMERICAN—Bernard Asbell—McGraw, 222 p., \$4.95. Discusses the problems of illiteracy, dropouts, and child geniuses, automation-caused unemployment, and education to meet the challenges of change.

PHOTOELECTRIC EFFECTS IN SEMICONDUCTORS—Solomon Mecrovich Ryvkin, transl. from Russian by A. Tybulewicz—Consultants, 402 p., illus., \$22.50. Authoritative presentation of contemporary understanding of the generation, motion and recombination of nonequilibrium carriers in semiconductors.

PLENUM PRESS HANDBOOKS OF HIGH-TEMPERATURE MATERIALS, No. 3: Thermal Radiatiove Properties—W. D. Wood, H. W. Deem and C. F. Lucks—Plenum Press, 470 p., graphs, \$17.50. This comprehensive compilation of data covers titanium and its alloys, stainless steels, iron-nickel- and cobalt-base superalloys, refractory metals, coated materials, ceramics and graphite.

RANGER VII PHOTOGRAPHS OF THE MOON, Part I: Camera "A" Series—Jet Propulsion Laboratory, California Institute of Technology, preface by Gerard P. Kuiper—NASA (GPO), 199 plates, 27 p., text, paper, \$6.50. Atlas of impact area photographs taken by the widest-angle camera on board Ranger VII.

SEVEN WOMEN EXPLORERS—Mignon Ritten-nuse—Lippincott, 158 p., maps., \$3.95. The stories women who blazed new trails into regions in frica, Asia and the Near East.

SOCIAL ASPECTS OF ECONOMIC DEVELOP-MENT IN LATIN AMERICA, Vol. II—Jose Medina Echavarria and Benjamin Higgins; introd. by H. M. Phillips—UNESCO (Int'l Doc. Serv. Columbia Univ. Press), \$4.25. A sociologist's and an economist's inde-pendent views of Latin American development.

pendent views of Latin American development.

SOVIET RESEARCHES ON LUMINESCENCE—
D. V. Skobel'tsyn, Ed., transl. from Russian—Consultants, 152 p., illus., paper, \$27. Originally pubsused (1963) by the USSR Academy of Sciences, the monograph deals with electroluminescence of crystals, investigations of the cathodoluminescence of crystals, investigations of the cathodoluminescence of crystals, investigations of the cathodoluminophors.

STRAWBERRY DISEASES—A. G. Plakidas La. State Univ. Press, 195 p., photographs, informative volume for student and researcher.

STRENGTH AND DEFORMATION IN NONUNI-FORM TEMPERATURE FIELDS: A Collection of Scientific Papers—Ya. B. Fridman, Ed., transl. from Russian—Consultants, 169 p., diagrams, paper, \$25. A critical review of recent results in the field of thermal stresses and their calculation, thermal fatigue and thermal shocks, resistance to flow, creep and impact.

STRUCTURE FORMATION IN ALLOYS—Il'ya Vasil'evich Salli, transl. from Russian—Consultants, 140 p., illus., paper, \$18.50. Monogaph presenting the mechanism of the formation of the structure of alloys from the viewpoint of the most modern theory of phase transformation.

of phase transformation.

A STUDY OF WAR—Quincy Wright, abridged by Louise Leonard Wright—Univ. of Chicago Press, 451 p., \$7.50. Abridgement of the 1942 two-volume edition which was the outcome of more than 50 research studies on the causes, nature and control of war.

TODAY'S SPOKEN SPANISH—Rodger A. Farley and Laura Argueles de Farley—Scribner, 267 p., photographs, \$4.50. Designed primarily for third-semester college classes, the modern text stresses development of audio-lingual skills with 35 dialogs in the casual Spanish spoken in Central Spain.

TOPICS IN MODERN CHEMISTRY—C. J. Mandleberg—Clesver-Hume Press (St Martins), 228 p., diagrams, \$7.50. About models and methods, fundamental particles, chemical structure, solutions of electrolytes, compounds of the non-metals and of carbon ULTRASOUND: Physical, Chemical and Biological

ULTRASOUND: Physical, Chemical and Biological Effects—Isaac Effmorich El'piner, transl. from Russian by F. L. Sinclair—Consultants, 371 p., illus., \$22.50. Comprehensive review of both Soviet and non-Soviet progress in the understanding and application of the effects of ultrasonic waves on living objects and biologically active substances.

UNESCO STATISTICAL YEARBOOK 1963—UNESCO Publications Center (N.Y.), 472 p., paper, \$4. After a lapse of several years, this new edition contains expanded statistical survey of the world's peoples, their education and resources for information through libraries, museums, press, film, television and radio.

radio.

UNITS OF MEASUREMENT OF PHYSICAL
QUANTITIES—A. G. Chertov, transl. from Russian
by Scripta Technica, rev. by Herbert J. Eagle, Ed.—
Hayden Bk. Co., 185 p., \$4.75. Describes, analyzes
and interrelates the world's quantitative measuring
systems, the measuring of mechanical units, acoustic
quantities, and of electromagnetic radiation.

systems, the measuring or mechanical units, acoustic quantities, and of electromagnetic radiation.

UTOPIATES: The Use and Users of LSD 25—Richard Blum and Associates, foreword by Nevitt Sanford—Atherton Press, 303 p., \$8. In this publication of the Institute for the Study of Human Problems, Stanford University, the individual contributions assess the pharmacological effects and the legal, social and psychological issues involved in the use of the mind-altering drug LSD.

WIDENING HORIZONS IN CREATIVITY: The Proceedings of the Fifth Utah Creativity Research Conference—Calvin W. Taylor, Ed.—Wiley, 466 p., illus., \$8.95. Discusses historical reports, creative process studies, development of creativity in education, prediction studies, and creativity in special fields.

THE WILD LIFE OF INDIA—E. P. Gee, foreword by Jawahralal Nehru—Dutton, 192 p., 64 plates, map, \$5.95. An authoritative discussion of the fauna of India, partly illustrated in color.

THE WORLD OF THE RACOON—Leonard Lee Rue III—Lippincott, 145 p., photographs by author, \$4.95. Close-up year-round observations of a racoon family in nature.

• Science News Letter, 87:12 January 2, 1965

## Do You Know?

A surgical drape of vinylfilm is replacing linen towels in 15% of all operations in U.S. hospitals, for greater protection against infection.

There will be fewer dairymen, larger herds, higher production, and increased total consumption of milk by 1968.

An estimated three percent of the U.S. population is mentally retarded.

Earthworms in one acre of land can turn over as much as 30,000 pounds of soil in a year.

An adult quail has a "vocabulary" of at least 20 different calls to solve its needs.

A digital computer has been built to simulate nerve cell behavior.

By identifying too closely with actors in medical dramas, certain television viewers "catch" the disease being portrayed.

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