

Books of the Week

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THE ADRENALS AND RESUSCITATION—Mikhail Grigor'evich Kolpakov, preface by V. A. Negovskii, transl. from Russian by Basil Haigh—Consultants, 105 p., paper, \$17.50. Monograph deals mainly with that particular section in reanimatology concerned with the influence of humoral factors on the course of terminal states.

THE AEROSPACE AGE DICTIONARY—Clarke Newlon—Watts, Franklin, 282 p., \$5.95. Quick-reference dictionary of more than 3,000 terms used by the practitioners of space science and technology, includes capsule biographies and conversion factors.

ANIMALS AND MEN—Hermann Dembeck, transl. from German by Richard and Clara Winston—Natural Hist. Press, 390 p., illus., \$7.50. An informal history of the animal as prey, servant and companion of man.

THE ARCHITECTURE OF MOLECULES—Linus Pauling and Roger Hayward—Freeman, 128 p., 57 full-color plates, \$10. A handsome teaching aid, giving a lucid introduction to the subject of how atoms are arranged and interconnected in molecules and crystals and to the way in which the geometry of this organization accounts for some of the properties of substances.

BIBLIOGRAPHY OF INTERLINGUAL SCIENTIFIC AND TECHNICAL DICTIONARIES: Supplement—UNESCO (N.Y.), 81 p., paper, \$2. Lists 450 additional dictionaries published through 1964 since 4th edition (1961), covers 45 different languages.

BIG DREAMS AND SMALL ROCKETS: A Short History of Space Travel—Patricia Lauber—Crowell, 71 p., illus., \$3.75. A well illustrated, very concise account for young people.

BIOLOGY EXPERIMENTS for High School Students—G. Congdon Wood, Ed.—Am. Cancer Society, 135 p., illus., paper, single copies available free to science teachers through the local Cancer Society. Contains a series of carefully outlined investigations into various factors related to cancer research.

BIOLUMINESCENCE—H. Arthur Klein—Lippincott, 187 p., photographs, illus. by author and L. Zaacks, \$4.25. Reviews for the layman current research in that branch of biology concerned with the light that is created by living plants and animals.

BIONICS—Vincent Marteka—Lippincott, 157 p., photographs, drawings, \$4.25. Acquaints the reader with the complexity of problems confronting the scientists and engineers in their quest of developing mechanical and electronic devices based on biological structures and systems. Describes many specific experiments in layman's language.

COINS AND COIN COLLECTING—Seymour Reit—Golden Press, 105 p., illus. by W. T. Mars, \$1.95. For boys and girls.

COMMUNICATIONS OF THE LUNAR AND PLANETARY LABORATORY, Vol. 2—William K. Hartman, Robert G. Strom and others, Gerard P. Kuiper, Dir.—Univ. of Ariz. Press, 48 p., 9 folded orthographic projection maps, illus., \$4.50. Contains analysis of lunar mare and of infrared spectrum of Mars, and discusses distribution of lunar crater diameters, and tectonic maps of moon.

DEVELOPING METROPOLITAN TRANSPORTATION POLICIES: A Guide for Local Leadership—Research and Policy Committee—CED, 99 p., paper, \$1 to CED, 711 5th Ave., New York, N.Y. 10022. Statement suggests guidelines to help metropolitan areas understand their transportation problems and participate in wise planning for the future.

THE FIRST BOOK OF ANCIENT ROME—Charles Alexander Robinson Jr.—Watts, F., 66 p., photographs, maps, \$2.65. Introduces young readers to some of the contributions to civilization made by the Romans.

THE FIRST BOOK OF ENERGY—George Russell Harrison—Watts, F., 81 p., photographs, drawings, \$2.65. Explains energy, its measurement, sources, storage and transportation.

GALILEO—Arthur S. Gregor—Scribner, 191 p., illus., \$3.50. Juvenile biography.

HANDBOOK OF SATELLITES AND SPACE VEHICLES—Robert P. Haviland and C. M. House—Van Nostrand, 457 p., illus., \$15.75. Intended to serve as a working tool to assist in solving engineering problems in the preliminary design of satellites and space systems.

HANDBOOK ON INTERNATIONAL STUDY (two vols.): For U.S. Nationals. For Foreign Nationals—Sylvia L. Hack, Ed.—Inst. for International Educ., 4th rev. ed., 386 p., 419 p., paper, \$3.50 each. Guides to study, training and exchange opportunities abroad and in the United States, respectively.

HISTORY OF THE EXPEDITION UNDER THE COMMAND OF LEWIS AND CLARK, Vols. I, II, III—Elliott Coues, Ed.—Dover, 1,364 p., portraits, maps, \$2.25 each; set of three vols. \$6.75. Unabridged reprint of definitive 1893 edition.

INTRODUCTION TO GENERAL CHEMISTRY—Jerome K. Holmes—Mosby, 445 p., diagrams, \$7.75. Textbook developed to meet the needs of junior college students with inadequate preparation.

THE LIVING BATTERY: An Introduction to Bioelectricity—E. E. Suckling—Macmillan, 146 p., diagrams, \$4.50. Explores the electricity generated by the body, how it affects the actions of muscles, nerves and senses, and discusses the recording of the electric action in muscles, heart and brain.

A MANUAL OF LABORATORY STUDIES IN PSYCHOLOGY—Barbara Heckman and Robert Fried—Oxford Univ. Press, 207 p., diagrams, paper, \$2.50. Consists of 30 experimental studies covering methodology, motivation, learning, sensory processes, perception, personality dynamics and social psychology.

METABOLISM AND PHYSIOLOGICAL SIGNIFICANCE OF LIPIDS—R. M. C. Dawson and Douglas N. Rhodes, Eds.—Wiley, 657 p., illus., \$21. The proceedings of the Advanced Study Course held at Cambridge, September 1963.

THE NEW PRIESTHOOD: The Scientific Elite and the Uses of Power—Ralph E. Lapp—Harper, 244 p., \$4.95. A probing analysis of the newly developing relationships between scientists and the centers of power and decisions such as the Pentagon, Congress, the Executive and the politicians.

THE PHANTOM WORLD OF THE OCTOPUS AND SQUID—Joseph J. Cook and William L. Wisner—Dodd, 96 p., photographs, drawings, \$3.25. An introduction to the nature and behavior of the cephalopoda, for boys and girls.

POLYMERS: Structure and Bulk Properties—Patrick Meares—Van Nostrand, 381 p., illus., \$12.50. For advanced students and research workers, brings together current knowledge about physical and mechanical properties of bulk polymers in relation to their molecular structures.

PUBLIC HEALTH

Health Program Attacked

► **OPPOSITION** by the American Medical Association to recommendations by the President's Commission on Heart Disease, Cancer and Stroke is voiced in a critique in the *Journal of the AMA*, April 26, 1965. Such a program could seriously damage the present system of U.S. medical education and care, the critique states.

Dr. Michael DeBakey of Baylor University, Houston, Tex., headed the 28-member body of laymen and physicians that recently reported to President Johnson that the leading killer diseases could be reduced by adopting recommendations and proposals for legislation. The proposals include:

1. Creation of 60 regional complexes for care and clinical investigation of patients with heart disease, cancer and stroke.
2. Research institutes within existing hospitals and medical schools to investigate disease-related and other problems.
3. Establishment of 550 diagnostic and treatment stations for the three diseases.
4. Increasing manpower in clinical and research medicine by expanding current programs supported by the Federal government and creating new ones.

Legislation following the report is already in Congress and hearings have been held by a Senate committee, the *AMA* points out.

The commission's recommended program in the eyes of the medical association totally disregards traditional relationships and responsibilities of state and local health departments, voluntary agencies and com-

THE PRIMATES—Sarel Eimerl and Irven DeVore and The Editors of *LIFE*—Time Inc., 200 p., illus., 72 p. in full color, \$3.95 direct to Time-Life Bks., 540 N. Mich. Ave., Chicago, Ill. 60611. Based on the latest studies of monkeys and apes in their natural environment, this book is a compilation of individual studies and depicts primate characteristics and group behavior.

THE PSYCHOLOGY OF RELIGIOUS EXPERIENCES—Erwin Ramsdell Goodenough—Basic Bks., 192 p., \$5. A scholarly study of the variety of responses man has made to the "great Unknown" of which he is a part.

SECRETS OF INLAND WATERS—Boris Arnov, Jr.—Little, 143 p., photographs, \$4.50. An introduction to the world of the limnologist, describing the formation of lakes and rivers, and their inhabitants.

THIRD REPORT OF THE INFORMATION CLEARINGHOUSE ON NEW SCIENCE AND MATHEMATICS CURRICULA, March 1965—J. David Lockard, Dir.—A.A.A.S.-U. of Md. Science Teaching Center, 139 p., paper, single copies free upon request direct to publisher, College Park, Md. 20742. Based on answers to questionnaire sent to directors of all major projects.

A TREATISE ON ADVANCED CALCULUS—Philip Franklin—Dover, 595 p., paper, \$2.75. Reprint (1940), includes those parts of the theory of functions of real and complex variables which form the logical basis of the infinitesimal analysis and its applications to geometry and physics.

WHAT MAKES TV WORK?—Scott Corbett—Little, 46 p., illus. by Len Darwin, \$2.95. Explains with the help of diagrams, pictures and simple words how the picture gets inside the television set.

WONDERS OF HUMMINGBIRDS—Hilda Simon—Dodd, 62 p., illus. by author, \$3. Attractive and informative volume for young readers, discusses color, flight and habits.

THE WORLD IN 1984, Vols. I and II—Nigel Calder, Ed.—Penguin Bks., 215 p., 205 p., diagrams, paper, 95¢ each. Brings together the complete *NEW SCIENTIST* series of articles in which leading international authorities in many fields attempt to forecast the developments of the next 20 years.

• Science News Letter, 87:284 May 1, 1965

munities in favor of a "centrally planned" approach to medical care.

The Federal Government already is responsible for serious fragmentation of U.S. health care services by the "development of multiple non-coordinated health care programs administered by multiple Federal agencies," the critique says.

Admitting that the present medical system is always subject to improvement, the *AMA* says it has produced the best medical education in the world, the most sophisticated diagnostic and therapeutic advances and the most advanced understanding and treatment of disease processes.

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Do You Know?

Growth in artichokes, potatoes and onions can be inhibited by *irradiation*.

There are more than one million students in higher education in the *Chinese Communist* regime.

Today, almost half of the hospital beds that were used for the care of *tuberculosis* patients in 1956 are available for other purposes.

Radiation-pasteurization, a new method of food preservation, can cut spoilage in marketing fresh strawberries by two-thirds.

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