

# Books of the Week

For the editorial information of our readers, books received for review are listed. For convenient purchase of any U. S. book in print, priced at 95¢ or over, send a remittance to cover retail price (postage will be paid) to Book Department, Science Service, 1719 N Street, N.W., Washington 6, D. C. Request free publications direct from publisher, not from Science Service.

**ADVANCES IN CLINICAL CHEMISTRY, Vol. 2**—Harry Sobotka and C. P. Stewart, Eds.—*Academic*, 387 p., illus., \$12. Ranges from a review of hypercalcemia of infancy to consideration of automation in the hospital laboratory.

**ADVANCES IN VETERINARY SCIENCE, Vol. V**—C. A. Brandly and E. L. Jungherr, Eds.—*Academic*, 450 p., illus., \$14. Treats examination of eye operations in animals, Q fever, rabies, theilerioses, and tissue culture.

**AFRICA IS ADVENTURE**—Attilio Gatti—*Messenger*, 249 p., photographs, \$4.50. Adventures while photographing wild animals at close range.

**ALGEBRAIC THEORIES (Formerly Titled: Modern Algebraic Theories)**—Leonard E. Dickson—*Dover*, 276 p., paper, \$1.50. Reprint of 1926 edition.

**AMERICAN FOLKLORE**—Richard M. Dorson—*Univ. of Chicago Press*, 328 p., \$4.50. Survey of America's folklore, from colonization to mass culture.

**ANIMAL-GLUE TESTING FOR PAPER SIZING**—P. B. Davidson and H. B. Bodenhagen—*Mellon Institute*, 14 p., illus., paper, free upon request direct to publisher, 4400 5th Ave., Pittsburgh 13, Pa.

**A BIRD IS BORN**—E. Bosiger and J. M. Guilcher—*Sterling*, 92 p., 111 photographs by E. Hosking and R. H. Noailles, \$2.50. Close-ups and X-ray photographs graphically portray the life cycle of birds.

**THE BIRTH OF A NEW PHYSICS**—I. Bernard Cohen—*Doubleday*, 200 p., illus., paper, 95¢. From Copernicus to Newton, shows how a major modification in any one part of the physical sciences must eventually produce changes throughout.

**A BUTTERFLY IS BORN**—J. P. Vanden Eeckhoudt—*Sterling*, 90 p., photographs by author,

\$2.50. More than 120 photographs dramatically present the story of metamorphosis.

**CLASS IN AMERICAN SOCIETY**—Leonard Reissman—*Free Press*, 436 p., \$6.75. Systematic analysis of what class means for American society.

**COMPUTERS AND PEOPLE: Business Activity in the New World of Data Processing**—John A. Postley—*McGraw*, 246 p., \$6. Explains what modern computers can do for business, in non-technical language.

**CURIOSITIES OF ANIMAL LIFE**—Maurice Burton—*Sterling*, 128 p., illus. by A. M. Jauss, photographs, \$3.95. Picture-stories making clear the great diversity among birds and beasts.

**FAA STATISTICAL HANDBOOK OF AVIATION**—Federal Aviation Agency—*GPO*, 11th ed., 140 p., paper, 60¢. Review of aeronautical progress and reference volume.

**THE FACE OF THE EARTH**—G. H. Dury—*Penguin*, 223 p., illus., paper, \$1.25. About river-patterns, volcanoes, beaches and mountain formations.

**THE FIRST BOOK OF ASTRONOMY**—Vivian Grey—*Watts, F.*, 68 p., illus. by G. Geygan, \$1.95. For young readers.

**FUNDAMENTALS OF ELECTRONICS**—E. Norman Lurch—*Wiley*, 631 p., illus., \$8.25. Thorough introduction to the field, directed towards the non-engineer.

**GENETICS AND CANCER**—Staff of M. D. Anderson Hospital and Tumor Institute, Eds.—*Univ. of Tex. Press*, 459 p., illus., \$8.50. Papers presented at Thirteenth Annual Symposium on Fundamental Cancer Research, 1959.

**GESTATION: Transactions of Fifth Conference, 1958**—Claude A. Vilce, Ed.—*Macy*, 262 p., illus., \$5.75. Among others, discussions of circulation in the placenta, and its biology.

**A GUIDE TO STEREO SOUND**—David Tardy—*Pop. Mechanics*, 192 p., illus. by Art Lutz, photographs, \$4.95. Emphasis is on basics of stereophonic reproduction.

**HANDBOOK FOR SPACE TRAVELERS**—Walter B. Hendrickson, Jr.—*Bobbs*, 256 p., illus. by J. Russell, \$3.95. History of rockets, and current and future space programs, for young people.

**JOHN DEWEY'S CHALLENGE TO EDUCATION: Historic Perspectives on the Cultural Context**—Oscar Handlin, foreword by Arthur G. Wirth—*Harper*, 59 p., \$2.50. Analyzes the American

school at the beginning of Dewey's career.

**LECTURES ON THE THEORY OF FUNCTIONS OF REAL VARIABLES, Vols. I and II**—James Pierpont—*Dover*, 560 p., 645 p., paper, \$2.45 each. Unabridged reprint.

**LIGHT AND PLANT GROWTH**—R. van der Veen and G. Meijer—*Macmillan*, 161 p., illus., \$8. Import from Holland, surveys present state of knowledge about photobiological processes that take place in plants.

**LIPIDE CHEMISTRY**—Donald J. Hanahan, Frank R. N. Gurd and Irving Zabin—*Wiley*, 330 p., \$10. Examines and evaluates progress made during the last ten years.

**MAN AND LEARNING IN MODERN SOCIETY**—Clark Kerr and others—*Univ. of Wash. Press*, 200 p., \$5. Papers and addresses delivered at the inauguration of Charles E. Odegaard as President of the University of Washington, 1958.

**THE MEASUREMENT OF GRASSLAND PRODUCTIVITY: Proceedings of the University of Nottingham Sixth Easter School in Agricultural Science, 1959**—J. D. Ivins, Ed.—*Academic*, 217 p., illus., \$7. Primarily concerned with techniques of measurement.

**A MILLION YEARS OF MAN**—Patrick Lynch—*St. Martin's*, 64 p., illus. by David Chalmers, \$2.95. Traces earth's history from protozoa to pre-historic man, with glossary and chart. Intended for ages 10-14.

**THE MIND OF MAN: A History of Psychotherapy and Psychoanalysis**—Walter Bromberg—*Harper*, 344 p., illus., paper, \$1.95. Historical review of man's efforts in mental healing.

**THE MIND READERS: Some Recent Experiments in Telepathy**—S. G. Soal and H. T. Bowden—*Doubleday*, 290 p., \$3.95. An account of experiments with two young Welsh boys which, the authors believe, demonstrated telepathy.

**MINERALS YEARBOOK 1958. Vol. I: Metals and Minerals (Except Fuels). Vol. II: Fuels. Vol. III: Area Reports**—Staff of Bureau of Mines—*GPO*, 1230 p., 484 p. and 1065 p., \$4, \$2.25 and \$3.75. Record of performance of the Nation's minerals industry.

**MOON BASE: Technical and Psychological Aspects**—T. C. Helvey—*Rider*, 72 p., illus., paper, \$1.95. Shows main problem areas in the construction of a moon base. Glossary of technical terms included.

**MORE ANIMALS FROM EVERYWHERE**—Clifford Webb—*Warne*, unpagged, illus. by author, \$2.75. Child's picture book with facts about animals.

**NATIONAL SCIENCE FOUNDATION: Ninth Annual Report for the Fiscal Year Ended June 30, 1959**—Alan T. Waterman, Dir.—*GPO*, 274 p., illus., paper, \$1. Lists program activities and grants.

**THE NATURE OF THE CHEMICAL BOND AND THE STRUCTURE OF MOLECULES AND CRYSTALS: An Introduction to Modern Structural Chemistry**—Linus Pauling—*Cornell Univ. Press*, 3rd ed., 644 p., illus., \$8.85. Fully revised edition.

**NORMAL CHILDREN AND MOTHERS: Their Emotional Opportunities and Obstacles**—Irving D. Harris—*Free Press*, 287 p., \$6. Doctor points out the variety of normal behavior, illustrating his points with 54 concrete cases.

**NUCLEAR ELECTRONICS II (Sessions 6-9)**—Paul Brafford and others—IAEA (Int. Publications, N. Y.), 380 p., illus., paper, \$4. Proceedings of the International Symposium organized by the French Society of Radioelectricians, Paris 1958.

**NUCLEAR REACTOR MATERIALS**—B. R. T. Frost and M. B. Waldron—*Simmons-Boardman*, 79 p., illus., paper, \$2.75. Outlines for physicists and reactor engineers the present state of the art and science of reactor materials.

**OPERATION HARDTACK, Phase II: Evaluation of Blast and Shock Effects on Tunnel Support**

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Structures—A. A. Lee and E. Y. Wong—*AEC (OTS)*, 36 p., illus., paper, \$1.

PROJECT SHERWOOD: The U. S. Program in Controlled Fusion—Amasa S. Bishop—*Double-day*, 227 p., illus., paper, \$1.25. This new edition has chapter added on progress from June, 1958, to June, 1959, by Arthur E. Ruark.

RADIATION BIOLOGY: Proceedings of Second Australasian Conference, 1958—Australian Radiation Society, J. H. Martin, Ed.—*Academic*, 304 p., illus., \$11. Concerned with the interaction of ionizing radiation in living cells.

ROADS TO DISCOVERY—Ralph E. Lapp—*Harper*, 191 p., illus., \$3.75. Tells of the scientists who have advanced our knowledge of the atom, and explains its structure. For young adults.

ROCKETS AND SATELLITES WORK LIKE THIS—John W. R. Taylor—*Roy Pubs.*, 71 p., illus. by John W. Wood, \$2.75. Informs young readers about the various forms of propulsion, and guidance systems.

ROCKETS OF THE NAVY—Erik Bergaust, foreword by Rear Admiral W. F. Raborn—*Putnam*, 48 p., \$2.50. Word-and-picture story, from first Vanguard to Polaris.

THE SKY IS OUR WINDOW—Terry Maloney—*Sterling*, 128 p., illus., \$3.95. Astronomy for the layman, from simple observable phenomena to increasingly involved concepts.

SOCIAL AND CULTURAL MOBILITY—Pitirim A. Sorokin—*Free Press*, new ed., 645 p., \$7.50. Reprint of classic, supplemented by chapter on "Genesis, Multiplication, Mobility, and Diffusion of Sociocultural Phenomena."

STEAM'S FINEST HOUR—David P. Morgan, Ed.—*Kalmbach Pub. Co.*, 128 p., photographs, \$15. Pictorial record, 16 x 11 inches, of 101 U. S. steam locomotives.

THE STORY OF DISSECTION—Jack Kevorkian—*Philosophical Lib.*, 80 p., illus., \$3.75. Historical account of the favorable and unfavorable influences which affected anatomic inquiry.

SWEET SUE'S ADVENTURES—Sam Campbell—*Bobbs*, 119 p., photographs by Charles P. Fox, \$2.95. About a mother skunk and her eight skunklets, for young readers.

SYMPOSIUM ON MICROSCOPY—Oscar W. Richards, introd. by F. F. Morehead—*Am. Soc. for Testing Materials*, 165 p., illus., \$4.75. Recent developments in light and electron microscopy.

THE TECHNICAL INSTITUTE IN AMERICA—G. Ross Henninger—*McGraw*, 276 p., \$6. Results of a national survey of technical institute education in America.

THE TEEN-AGE YEARS: A Medical Guide for Young People and Their Parents—Arthur Roth—*Doubleday*, 288 p., \$3.95. Discusses the special changes, illnesses and problems of growing up.

TELEMETERING SYSTEMS—Perry A. Borden and Wilfrid J. Mayo-Wells—*Reinhold*, 349 p., illus., \$8.50. On the practical aspects and possibilities of both stationary and mobile telemetering.

THE THEORY OF NUMBERS AND DIOPHANTINE ANALYSIS—Robert D. Carmichael—*Dover*, 226 p., paper, \$1.35. Reprint of 1914 and 1915 separately published editions.

TRAVEL GUIDE TO RUSSIA—Irving R. Levine—*Doubleday*, 416 p., \$4.95. Concrete suggestions on every phase of travel within Russia.

THE WIND: Nature's Great Voice—Ethel M. Campbell—*Denison*, 45 p., illus. by Norma Stevens, \$3. About the movements of the atmosphere over the surface of the earth. Elementary level.

THE WORLD ALMANAC 1960 and Book of Facts—Harry Hansen, Ed.—*N. Y. World Telegram (Doubleday)*, 75th ed., 896 p., \$2; paper, \$1.35. Reliable reference work, with survey of scientific feats of 1959.

Science News Letter, February 6, 1960

## PUBLIC HEALTH

## AMA Journal Hits Health Bill for Elderly

DOCTORS were warned of the dangers of supporting the compulsory health insurance program that would provide health care for elderly persons.

The program, known as the Forand Bill, introduced by Rep. Ami Forand (D-R. I.), is before Congress. It supports Government-financed medical care for all who collect Social Security.

An editorial in the *Journal of the American Medical Association* (172, 130/344 Jan. 23, 1960) interprets the actual motivation of supporters of such legislation as this:

"The proponents of compulsory health insurance contend basically that the people—in this case Social Security recipients—should not be permitted to buy their own health care."

Opponents of such legislation, the editorial continues, and this presumably includes the AMA, support, instead, the basic principle that people should be permitted to choose freely how they wish to spend their own money. They urge programs to promote prosperity, maintain the purchasing power of the dollar, support the indigent, develop voluntary health insurance, and construct special facilities designed to meet the health needs of the aged, encourage home care and other appropriate measures.

The editorial criticizes "misleading statistics widely stated" and exploited by supporters of the Forand Bill such as that three-fifths of all persons 65 and over had less than \$1,000 in money income in 1956 and 1957. The AMA contends that this does not take into consideration family and non-monetary income, total assets and other resources.

The proportion of those over 65 who have \$2,000 or more or \$5,000 or more is higher than for any other age group. Furthermore, the Federal Reserve Board's annual Survey of Consumer Finances reveals that the liquid assets of those over 65 have grown faster than the assets of any other age group in the last 10 years, the editorial continues.

Yet the editorial admits that to date the seriousness of meeting the health problems of the elderly has not been accurately determined. However, last April, Arthur S. Flemming, Secretary of Health, Education and Welfare, submitted to the Committee on Ways and Means a report titled "Methods of Providing Hospital Benefits Other Than by O.A.S.D.I. Mechanisms (Social Security)."

That report stated three out of every four aged persons could prove need in relation to hospital costs of at least those costs that exceeded any protection they might have through private health insurance. Other figures recently compiled point out that there will be 18,000,000 aged 65 or over by 1962.

The AMA editorial denounced the Forand Bill as a "costly, irreversible program tailored to avoid the real problem. It is a fundamental deviation from the basic concept of the social security system.

Science News Letter, February 6, 1960



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