

Books of the Week

For the editorial information of our readers, books received for review since last week's issue are listed. For convenient purchase of any U. S. book in print, 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.

AFRICAN NEGRO SCULPTURE—Margaret Plass, introduction by Carleton S. Coon—*University Museum, Bulletin Volume 21, Number 4*, 76 p., illus. with photographs by Reuben Goldberg, paper, 50¢. An introduction to exhibits on display at the Museum.

ANTONY VAN LEEUWENHOEK AND HIS "LITTLE ANIMALS": Being Some Account of the Father of Protozoology & Bacteriology and His Multifarious Discoveries in These Disciplines—Collected, translated and edited from his printed works, unpublished manuscripts and contemporary records by Clifford Dobell, introduction by Cornelis B. van Niel—*Russell & Russell*, 435 p., illus., \$10. A rekindled enthusiasm for Leeuwenhoek, the introduction comments, should help counteract our excessive specialization.

THE ARCHAEOLOGY OF THE ROMAN EMPIRE: A Scheme of Study—I. A. Richmond—*Oxford Univ. Press*, 21 p., paper, 40¢. A lecture delivered at the University.

THE ASTRONOMICAL UNIVERSE—Otto Struve—*Oregon State System of Higher Education, Condon Lectures*, 55 p., illus., paper, \$1.50. Because of sputnik, the year 1957 will be remembered in the history of astronomical exploration as the year 1492 is remembered in the history of geographical exploration.

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THE ATOMIC AGE AND OUR BIOLOGICAL FUTURE—H. V. Bronsted, translated by E. M. Huggard—*Philosophical Lib.*, 80 p., \$2.75. Based on a series of lectures to the general public.

ATOMIC PHYSICS AND HUMAN KNOWLEDGE—Niels Bohr—*Wiley*, 101 p., illus., \$3.95. Presenting the essential aspects of the situation in quantum physics and stressing points of similarity to positions in other fields of knowledge.

BASIC PRINCIPLES OF CHEMISTRY—Eugene C. Winslow—*Van Nostrand*, 284 p., illus., \$4.75. A concise text for first year college students.

BIOGRAPHICAL MEMOIRS OF FELLOWS OF THE ROYAL SOCIETY 1957, Volume 3—*The Royal Society*, 328 p., illus., \$4.20. Including portraits and obituary notices of leading scientists.

COLORADO GEM TRAILS AND MINERAL GUIDE—Richard M. Pearl—*Sage*, 176 p., illus., \$2.95. An aid for mineral collectors.

COMMON SENSE ABOUT GIFTED CHILDREN—Willard Abraham—*Harper*, 268 p., illus., \$5. Advice on how to tell if your child is gifted and how to encourage and help him develop all his potentialities.

THE CONQUEST OF LONELINESS—Eric P. Mosse—*Random House*, 241 p., \$3.75. Hate, the author points out, is the number one enemy that makes it impossible to build a bridge to others to overcome loneliness.

DE LESSEPS, BUILDER OF SUEZ—Laura Long—*Longmans*, 154 p., illus., \$2.75. This biography is the story of the great waterway.

A DICTIONARY OF CONTEMPORARY AMERICAN USAGE—Bergan Evans and Cornelia Evans—*Random House*, 567 p., \$5.95. A useful reference work for those who write.

A DICTIONARY OF MOUNTAINEERING—R. G. Collomb—*Philosophical Lib.*, 175 p., illus., \$6. Defining mountaineering terms from "abseil" to "zinne."

DRAINAGE OF AGRICULTURAL LANDS—James N. Luthin, Ed.—*Am. Soc. of Agronomy*, 620 p., illus., \$11. Discussing means of removing excess subsurface water and the relationships between water tables and crops.

ELECTRONIC HOBBYISTS' HANDBOOK—Rufus P. Turner—*Gernsback*, 160 p., illus., paper, \$2.50. A collection of practical circuits for the experimenter.

ELECTRONS AT WORK—F. J. M. Laver—*Oxford Univ. Press*, 78 p., 8 pl., illus., \$1.20.

Describing non-technically the use of electricity for telecommunications and electronics.

THE ENCYCLOPAEDIA OF RADIO AND TELEVISION: A Complete Alphabetical Reference to All Aspects of Modern Radio Technology—S. W. Amos and others—*Philosophical Lib.*, 2d ed., 736 p., illus., \$12. Containing over 3,000 entries.

ENCYCLOPEDIA OF CHEMICAL REACTIONS: Volume VII (Strontium-Titanium)—Compiled by C. A. Jacobson, edited by Clifford A. Hampel—*Reinhold*, 479 p., \$12.75. A reference work.

FIRST DAYS OF THE WORLD—Gerald Ames and Rose Wylar—*Harper*, 48 p., illus. with drawings by Leonard Weisgard, \$2.95. Story of the creation and beginnings of life on earth told for children from the viewpoint of modern science.

THE GEOPHYSICAL JOURNAL OF THE ROYAL ASTRONOMICAL SOCIETY: Volume 1, No. 1, March 1958—*Royal Astronomical Society*, 114 p., illus., paper, quarterly, \$3 per copy, \$9 per year. Devoted to work on seismology, geodesy, gravity measurements, terrestrial magnetism, etc. Contains summaries in Russian of all articles.

A HISTORY OF MAGIC AND EXPERIMENTAL SCIENCE: Volumes VII and VIII, The Seventeenth Century—Lynn Thorndike—*Columbia Univ. Press*, Vol. VII, 695 p., Vol. VIII, 808 p., \$10 each volume. These two volumes conclude the author's monumental work begun over 50 years ago.

THE INDISPENSABLE MAN . . . THE ELECTRICAL ENGINEER—*Am. Inst. of Electrical Engineers*, 20 p., illus., paper, free upon request direct to publisher, 33 West 39th St., New York 18, N. Y. Guidance for high-school students interested in engineering as a career, advising them how best to prepare for it.

INSTRUMENTATION AND CONTROL IN THE PROCESS INDUSTRIES: Proceedings of the Conference—R. D. Hutton and others—*Armour Research Foundation*, 145 p., illus., paper, \$4. Instrumentation is "measurement in action."

INTRODUCTION TO GEOLOGY—Howard E. Brown, Victor E. Monnett and J. Willis Stovall—*Ginn*, 664 p., illus., \$7.25. For college students, to help prepare them for the enjoyment of living that a foundation of culture and general knowledge can provide.

ISAAC NEWTON—Patrick Moore—*Putnam*, 123 p., illus., \$2. A biography intended to inspire young mathematicians and scientists.

MINERALS, METALS AND GEMS—A. Hyatt Verrill—*Grosset*, 293 p., illus. with drawings by the author, \$1.98. Telling the interesting, and frequently very strange, stories of some of the most important minerals.

ORBIT: A Picture Story of Force and Motion—Hy Ruchlis—*Harper*, 147 p., illus., \$2.75. Telling what the paths of the satellites have to do with the discoveries of Sir Isaac Newton.

OUR NUCLEAR ADVENTURE: Its Possibilities and Perils—D. G. Arnott—*Philosophical Lib.*, 170 p., illus., \$6. Intended to provide enough information to enable the reader to take an intelligent interest in recent technical developments.

PHYSICS FOR OUR TIMES—Walter G. Marburger and Charles W. Hoffman—*McGraw-Hill*, 2d ed., 602 p., illus., \$5.48. A high-school text, beautifully illustrated.

PRINCIPLES OF ELECTRICITY: An Intermediate Text in Electricity and Magnetism—Leigh Page and Norman Ilsey Adams, Jr.—*Van Nostrand*, 3d ed., 533 p., illus., \$7.50. For college undergraduates and also for advanced students.

PROGRESS IN STEREOCHEMISTRY: Volume 2—W. Klyne and P. B. D. de la Mare—*Academic*, 323 p., \$8.80. Reflecting the growing concern of chemists with physical methods.

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Finalists will be present on

Friday, from 8:30 p.m. to 10:00 p.m.

PSYCHOLOGY: Understanding Human Behavior—Aaron Quinn Sartain, Alvin John North, Jack Roy Strange and Harold Martin Chapman—*McGraw-Hill*, 444 p., illus., \$6. Introductory text intended to attract the student and lead him to continue his interest and study of this science when he course is over.

REHABILITATION: A Community Challenge—W. Scott Allan—*Wiley*, 247 p., \$5.75. Presenting what may be a utopian plan for returning the physically handicapped to useful lives.

THE SAC AND FOX INDIANS—William T. Hagan—*Univ. of Oklahoma Press*, 287 p., illus., \$5. This history of a once powerful group of Indians is volume 48 of a series on the Civilization of the American Indian.

THE STRANGE STORY OF OUR EARTH—A. Hyatt Verrill, introduction by L. Don Leet—*Grosset*, 255 p., illus., \$1.98. The book of the geologist is the earth itself, its mountains, rocks, deserts and seas. This book is a translation for the benefit of the reader not trained to read the story in the earth.

THE STRATEGY OF CHEMOTHERAPY: Eighth Symposium of the Society for General Microbiology Held at the Royal Institution, London, April, 1958—S. T. Cowan and Elizabeth Rowatt, Eds.—*Cambridge Univ. Press*, for the Society for General Microbiology, 360 p., illus., \$7. The organizer of the symposium invited contributors to suggest fresh ways of attacking micro-organisms without damaging the host.

TEN STEPS FORWARD: World Health 1948-1958—Ritchie Calder—*World Health Organization. (International Documents Office, Columbia Univ.)* 68 p., illus., paper, 50¢. Telling the dramatic story of what happened when the whole world became our own neighborhood and the health of the world our intimate concern.

TUBERCULOSIS IN WHITE AND NEGRO CHILDREN: Volume I, The Roentgenologic Aspects of the Harriet Lane Study—Janet B. Hardy—*Harvard Univ. Press* for the Commonwealth Fund, 122 p., illus., \$7.50. Based on cases in a special clinic of the Johns Hopkins University Hospital.

TUBERCULOSIS IN WHITE AND NEGRO CHILDREN: Volume II, The Epidemiologic Aspects of the Harriet Lane Study—Miriam E. Brailey—*Harvard Univ. Press* for the Commonwealth Fund, 103 p., graphs, \$4.50. Death from tuberculosis among white children infected before the age of three was found to be about 9%; for Negroes it was nearly 22%.

UNCONVENTIONAL ELECTRICAL POWER SOURCES—Attie L. Betts and Paul A. McCollum—*Office of Technical Services*, illus., paper, \$2. Nuclear reactors provide only one of many novel sources of power now available or being developed.

UNCONVENTIONAL ELECTRICAL POWER SOURCES: Part II—Paul A. McCollum—*Office of Technical Services*, 66 p., illus., paper, \$2. A summary of the second year of work on unconventional power sources.

WONDERLAND—John M. Scott—*Loyola Univ. Press*, 197 p., illus., \$3.50. To build in young people a glad enthusiasm for the wonders of the world we live in.

YOUNG PEOPLE'S BOOK OF SCIENCE—Glenn O. Blough, Ed.—*Whittlesey House*, 446 p., illus., \$4.50. Gives boys and girls a general knowledge of science, looking at living things, the weather, atoms, space, the sea and electrons. Clever drawings.

YOUR FUTURE IN SCIENCE: The Challenging Opportunities Awaiting You in Exciting New Fields—Morris Meister and Paul F. Brandwein—*Science Res.*, 56 p., illus., paper, 60¢. Information for the young person considering a scientific career.

Science News Letter, May 3, 1958

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