

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. books 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.

ANCIENT SPARTA: A Re-examination of the Evidence—K. M. T. Chrimes—*Philosophical Library*, 527 p., illus., \$8.75. Using new material excavated at the ancient city, the author's object is to trace the constitutional and social survivals in later Sparta back to their roots.

THE ARAB REFUGEE PROBLEM—Joseph B. Schechtman—*Philosophical Library*, 137 p., illus., \$3.00. The author has given the background on the problem of 750,000 Arabs living in refugee camps. He discusses the possible solution of resettlement.

BENJAMIN DISRAELI: Earl of Beaconsfield—Cecil Roth—*Philosophical Library*, 178 p., illus., \$3.75. This biography traces the Jewish part of Disraeli's background and discusses the influence it had on his career and policies.

BIOGRAPHY OF AN IDEA: The Story of Mutual Fire and Casualty Insurance—John Bainbridge—*Doubleday*, 381 p., illus., \$4.00. In the 200 years since Benjamin Franklin founded his company, the number of insurance companies in America has grown from one to 4,480.

BIRDS AND THEIR NESTS—Olive L. Earle—*Morrow*, 64 p., illus., \$2.00. A child's book with interesting descriptions of 42 varieties of birds and their nests.

COLLEGE PHYSICS—Francis Weston Sears and Mark W. Zemansky—*Addison-Wesley*, 2nd ed., 912 p., illus., \$8.50. Some new material has been added along with a completely new set of problems to modernize this standard text.

CRISIS IN THE MIDDLE EAST—Edward Latham, Ed.—*H. W. Wilson*, 189 p., \$1.75. Reprinted articles that touch briefly on current crises. Bibliography included.

ELECTRODYNAMICS: Lectures on Theoretical Physics, Vol. III—Arnold Sommerfeld, translated by Edward G. Ramberg—*Academic Press*, 371 p., illus., \$6.80. Presenting a four-dimensional theory of electrodynamics as the simplest introduction to the theory of relativity.



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THE ELECTROMAGNETIC FIELD—Max Mason and Warren Weaver—*Dover*, 389 p., illus., paper, \$1.85. Paperbound student's edition of textbook originally published in 1929.

FOLLOW THE SUNSET—Herman and Nina Schneider—*Doubleday*, 43 p., illus., \$2.75. A lovely illustrated book for children, making clear the changing time around the world and describing the activities in other lands that come with the setting of the sun.

GERMANY TODAY AND TOMORROW—Henry J. Kellermann—*Govt. Printing Office*, Dept. of State Publication 4655, 14 p., paper, 10 cents. Based on an address by the Director of the Office of German Public Affairs.

HEALTH RESOURCES IN THE UNITED STATES: Personnel, Facilities and Services—George W. Bachman—*Brookings Institution*, 344 p., illus., \$5.00. Material presented was collected during a three-year study of the nation's health services in order to determine the extent of our health resources. The most striking health advance has been among children in the first five years.

HISTORY OF THE CATTLE INDUSTRY IN SOUTHERN ARIZONA, 1540-1940—J. J. Wagoner—*University of Arizona Press*, Social Science Bulletin No. 20, 132 p., illus., paper, \$1.25. The complicated system of land ownership in Arizona is one of the greatest problems facing cattlemen.

MAN AND THE BIOLOGICAL WORLD—J. Speed Rogers, Theodore H. Hubbell and C. Francis Byers—*McGraw-Hill*, 2nd ed., 690 p., illus., \$5.75. New material on evolution, photosynthesis, hormones and vitamins has been added to bring the text up-to-date.

MECHANICS OF THE GYROSCOPE: The Dynamics of Rotation—Richard F. Deimel—*Dover*, 2nd ed., 192 p., illus., paper, \$1.60. Paperbound student's edition of textbook originally published in 1929.

OPTICKS: Or a Treatise of the Reflections, Refractions, Inflections and Colours of Light—Sir Isaac Newton—*Dover*, Based on the 4th edition London, 1730, 406 p., illus., paper, \$1.90. A student's edition of the classic. Foreword by Albert Einstein.

PROBLEMS OF LIFE: An Evaluation of Modern Biological Thought—Ludwig von Bertalanffy—*Wiley*, 216 p., \$4.00. This book originally appeared in German under the title, *Das Biologische Weltbild*. It emphasizes the unity of science and the unitary conception of the processes of life.

PROCEEDINGS VOLUME OF THE GEOLOGICAL SOCIETY OF AMERICA FOR 1951—H. R. Aldrich, Ed.—*Geological Society of America*, 217 p., illus., paper, \$1.50.

RECENT ADVANCES IN NUTRITION RESEARCH WITH EMPHASIS ON THE NEWER B VITAMINS: Proceedings of the Scientific Sessions of the Seventh Annual Meeting—A. E. Axelrod and others—*National Vitamin Foundation*, 129 p., illus., paper, \$1.50.

SEAWEEDS AND THEIR USES—V. J. Chapman—*Pitman*, 287 p., illus., \$6.00. The author be-

lieves that one primary reason for the failure of seaweed industries is their concentration on one aspect only, such as the production of iodine or cattle feed.

THE TREATMENT OF ACUTE DEHYDRATION IN INFANTS—A Working Team appointed and advised by the committee on Acute Infections in Infancy—*Her Majesty's Stationery Office*, Medical Research Council Memorandum No. 26, 48 p., illus., paper, Approx. 75 cents. Price correction.

UNITED STATES GOVERNMENT GRANTS UNDER THE FULBRIGHT ACT—*Conference Board of Associated Research Councils*, 43 p., paper, free upon request to publisher, 2101 Constitution Ave., Washington 25, D. C. A list of awards together with general information about availability and applications procedures.

WHAT'S INSIDE OF ME?—Herbert S. Zim—*Morrow*, 32 p., illus., \$1.75. One in a series of books planned for parents and children to read together. This one is intended to help children understand their bodies.

WHAT'S INSIDE OF PLANTS?—Herbert S. Zim—*Morrow*, 32 p., illus., \$1.75. Another "Read-it-to-me" book explaining with words and pictures the different parts of plants.

WHITHER EUROPE—UNION OR PARTNERSHIP?—M. J. Bonn—*Philosophical Library*, 207 p., \$3.75. A former financial adviser to the Weimar Republic strongly urges a system of multiple partnerships for the countries of Europe.

THE WONDERFUL EGG—G. Warren Schloat, Jr.—*Scribner's*, 48 p., illus., \$2.25. A photographic story about chickens and eggs giving simple answers to children's questions.

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GEOGRAPHY

Conservatism of Negroes Blocks African Progress

► THE MOST difficult obstacle to progress in East Africa is the African Negro, the International Geographical Union was told in Washington.

The African Negro, with his conservative habits and ideas, has a soul that reacts fundamentally differently from that of Europeans, Ernst Weigt, German geographer, told a symposium on tropical Africa. Therefore, he said, development in East Africa is far more a question of psychology than of modern economy.

To change the mind of the natives takes no less time than to find out by trial and error what can be grown in Africa. Neither problem, Mr. Weigt stated, can be solved by a mere transfer of methods from the very different world of the white man to that of the Negro.

The German scientist told the symposium that agriculture is and always will be the most important activity of the people of East Africa. However, to intensify agriculture without introducing proper soil conservation methods will end in disaster, he said.

East Africa, he concluded, can play its part in feeding the world, but only by slow development and not without hard toil by both the Negro and the white man.

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