

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.

AND NOW THE "PLASTIGELS"—Richard W. Quarles, Edward T. Severs, Arthur C. Frechtling and Hugh S. Carpenter—*Mellon Institute*, 5 p., illus., paper, free upon request to publisher, 4400 Fifth Ave., Pittsburgh 13, Pa. When a thickening agent such as metallic soap is added to vinyl resin plastisols, the latter are converted to putty-like substances suitable for hand modeling and offering possibilities for handicraft.

BACITRACIN—*Research Division, S. B. Penick & Co.*, 127 p., \$4.00. A review and digest of the literature on this antibiotic up to and including January, 1952.

BERTRAND RUSSELL'S DICTIONARY OF MIND, MATTER AND MORALS—Lester E. Denonn, Ed.—*Philosophical Library*, 290 p., \$5.00. Selections presenting Lord Russell's thinking on a wide variety of subjects, arranged alphabetically. They are not, Lord Russell explains, to be regarded as pontifical pronouncements, but only as "the best that I could do at the time towards the promotion of clear and accurate thinking."

CHILD RORSCHACH RESPONSES: Developmental Trends From Two to Ten Years—Louise Bates Ames, Janet Learned, Ruth W. Metraux, and Richard N. Walker—*Hoebner*, 310 p., \$7.50. It is possible to secure Rorschach responses from two-year-olds although they are considered to have more scientific than practical significance. This book from the Gesell Institute will be useful to those testing children.

ELEMENTARY ANALYSIS—Kenneth O. May—*Wiley*, 635 p., \$5.00. Especially for those who are going to use mathematics in science, engineering or business or in advanced courses. This is a unified treatment of material usually labeled algebra, analytic geometry, trigonometry and introductory calculus.

ELEMENTARY METALLURGY—W. T. Frier—*McGraw-Hill*, 2nd ed., 258 p., illus., \$4.50. A complete revision of a text suitable for technical night schools.

ELEMENTS OF WAVE MECHANICS—N. F. Mott—*Cambridge University Press*, 156 p., \$3.75. A text intended for students of experimental physics and as an introduction to more ad-

vanced texts for those who intend to specialize. The author is professor of physics at the University of Bristol, England.

EXCAVATIONS AT NEBAJ, GUATEMALA—A. Ledyard Smith and Alfred V. Kidder—*Carnegie Institution*, 90 p., illus., paper, \$5.25, cloth \$6.00. Important new data were secured as to developments in architecture, ceramics, jade carving, mortuary customs and trade relations.

EXPERIMENTAL NUCLEONICS—Ernst Bleuler and George J. Goldsmith—*Rinehart*, 393 p., illus., \$6.50. A textbook for students of nuclear physics and those planning to perform tracer research, covering both chemical and physical aspects of the technique.

FUNCTIONAL ENDOCRINOLOGY FROM BIRTH THROUGH ADOLESCENCE—Nathan B. Talbot, Edna H. Sobel, Janet W. McArthur and John D. Crawford—*Harvard University Press*, 638 p., illus., \$10.00. To provide practical information about the functioning of the endocrine systems to practitioners, students and medical research men.

GENERAL BIOLOGY—Perry D. Strausbaugh and Bernal R. Weimer—*Wiley*, 3rd ed., 813 p., illus., \$6.00. This edition has been revised, corrected and, in part, re-written to bring it up to date.

GEOGRAPHY IN THE MAKING: The American Geographical Society 1851-1951—John Kirtland Wright—*American Geographical Society*, 437 p., illus., \$5.00. Telling what the Society has been and has done and about the progress of geography in the last century.

HOBBY FUN BOOK FOR GRADE SCHOOL BOYS AND GIRLS—Margaret Oldroyd Hyde and Frances W. Keene—*Seahorse*, 128 p., illus., \$1.00. Many interesting things that young children can do for fun that will teach them something about science.

AN INTRODUCTION TO THE PRINCIPLES OF PLANT PHYSIOLOGY—Walter Stiles—*Methuen (Pitman)*, 2nd ed., 701 p., illus., \$12.50. Recent advances in this subject have necessitated the re-writing of considerable portions of the text.

A LABORATORY EVALUATION OF CERTAIN FEATURES OF COTTON HOUSEWORK DRESS CONSTRUCTION—Mary C. Whitlock, Florence E. Petzel, Bess V. Morrison, and Hazel M. Fletcher—*Govt. Printing Office, USDA Circular No. 889*, 69 p., illus., paper, 25 cents. Results of tests on the strength of seams, patch pockets and buttonholes when constructed in various ways and with different kinds and sizes of thread.

LANDMARKS IN THE HISTORY OF EDUCATION: English Education as Part of the European Tradition—T. L. Jarman—*Philosophical Library*, 323 p., \$4.75. Education for all, concludes the writer, is the practice today both in the West and in the communist East. But in the West, the aim is to fit boys and girls for life in a free, democratic community, while in the Soviet-dominated East boys and

girls are being trained to unthinking obedience in the servile state.

PARASITISM AND SYMBIOSIS—Maurice Caullery, Translated by Averil M. Lysaght—*Sidgwick and Jackson, (MacMillan)*, 340 p., illus., \$5.50. Parasitism from the point of view of general biology.

POLITICAL ETHICS AND THE VOTER—Thomas A. Rousse, Ed.—*H. W. Wilson*, 181 p., \$1.75. A group of articles reprinted from various sources and offering food for thought in an election year.

THE PRINCIPLES OF THE CONTROL AND STABILITY OF AIRCRAFT—W. J. Duncan—*Cambridge University Press*, 384 p., illus., \$8.00. Presenting material a great deal of which cannot yet be found in textbooks. Included is a dictionary of British-American equivalents in aerodynamic terms and symbols.

SCIENCE AND SOCIETY—Robert F. Ervin, Ed.—*University of Notre Dame Press*, 54 p., illus., paper, \$1.00. Papers presented at a symposium at Lubund Institute to consider the interrelationships of science and man.

STEAM POWER PLANTS—Alexander H. Zerban and Edwin P. Nye—*International Textbook Co.*, 524 p., illus., \$7.50. A text for junior or senior students in mechanical and electrical engineering who have had some previous work in heat power. Nearly 70% of all electric power is generated in steam stations.

TELEVISION THE MAGIC WINDOW—Frank Denman—*Macmillan*, 60 p., illus., \$2.00. Explaining in simple terms the workings of your television and the science that makes it possible.

Science News Letter, May 24, 1952

MEDICINE

Patients' TB Germs Develop Drug Resistance

➤ TUBERCULOSIS germs in human patients already are developing resistance to the new anti-tuberculosis drugs, isonicotinic acid hydrazides.

In three patients "definite evidence" of drug resistance appeared after seven weeks of treatment and in one the first sign of such resistance appeared after 26 days, Dr. William Steenken, Jr., Gordon M. Meade, Emanuel Wolinsky and E. Osborne Coates, Jr., of the Trudeau, N. Y., Foundation and Sanatorium report in the *JOURNAL OF THE AMERICAN MEDICAL ASSOCIATION* (May 10).

The patients had tuberculosis of the lungs with cavity formation. All three and three others with the same type of the disease had previously been given streptomycin and PAS without improvement. They were started on the new drugs on Jan. 18.

In only one of the six has the sputum been converted to negative as shown by culture tests. Four of the six have as many or more TB germs, as shown by sputum counts, than they did before starting treatment with the new drugs.

These drugs, the doctors warn, can thus be expected to produce only temporary benefits if used alone in patients with this type of tuberculosis.

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