

First Glances at New Books

► THE War Department has outlined a simple course in elementary electricity which it hopes that everyone likely to enter the army or industry will study, especially in high school. FUNDAMENTALS OF ELECTRICITY (*Science Service*, 15 cents, 10 copies for \$1), a beautifully illustrated publication of 40 lessons, with 250 diagrams and photographs, has been written especially by Morton Mott-Smith, *Science Service's* staff writer in physics, for this purpose. A quarter million copies are being distributed without charge to the nation's secondary schools in cooperation with Westinghouse as a public service and a contribution to the war effort. Individuals and study groups that wish an effective introduction to this fundamental science can obtain copies at a nominal price for their own use.

Science News Letter, April 17, 1943

► THE ANNALS of The American Academy of Political and Social Science for March contains valuable and interesting geography background studies of SOUTHEASTERN ASIA AND THE PHILIPPINES, by Lennox A. Mills. These studies will prove very helpful to those who desire to obtain accurate information relative to these war-torn areas and their peoples. It contains also brief book reviews of new literature in the field of the social sciences. (*American Academy of Political and Social Science*, \$2.00 paper, \$2.50 cloth.)

Science News Letter, April 17, 1943

► A CONTRIBUTION to the exact knowledge of an interesting group of land-shells is THE CYCLOPHORID OPERCULATE LAND MOLLUSKS OF AMERICA, by Carlos de la Torre, Paul Bartsch and Joseph P. E. Morrison. It will be welcomed by all zoologists who know a good job in taxonomy when they see it. (*Govt. Print. Off.*, 65c.)

Science News Letter, April 17, 1943

► A BORN FARMER who has become a leader in the new movement for a nationally integrated and planned agriculture, Howard Tolley vigorously presents his interpretation of that movement in THE FARMER CITIZEN AT WAR. As he sees him, the American farmer has long had too hard a struggle against adverse economic forces to be terrified by the stresses of war; he has learned too well how to cooperate with his fellows to ac-

cept either imposed regimentation or a return to the chaotic disorganization from which he has emerged. (*Macmillan*, \$2.50.)

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► AIRMEN of the future as well as aviation minded citizens will find military aeronautics described fully in ARMY FLYER by Lt. Gen. H. H. Arnold and Maj. Gen. Ira C. Eaker (*Harper & Bros.*, \$2.50). This book, literally written in the air, by two of the outstanding and top ranking American Army Air Forces officers traces the career of a flying cadet from the time of his induction to retirement. Proceeds from the sale go to the Army Air Forces Trust Fund.

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► GENERAL ZOOLOGY, by Tracy I. Storer, is a new, well organized, very solidly written textbook for college classes. The student who manages to absorb a fair fraction of what is packed into its nearly 800 pages can be counted as at least the beginnings of a zoologist. (*McGraw-Hill*, \$3.75.)

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► COMPLETE and unashamedly technical, ELEMENTS OF MINERALOGY, by Alexander N. Winchell, appeals to a limited audience but is highly useful to that one. (*Prentice-Hall*, \$5.)

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► PRINCIPLES underlying various types of naval operation, illustrated mainly by examples from World War I, are the material of NAVAL WARFARE: AN INTRODUCTORY STUDY, by Comdr. John Creswell, R.N. Defense against air attack, the convoy system and landing on hostile shores are sample topics whose appositeness needs no argument. (*Chemical Publ. Co.*, \$4.)

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► JUVENILE scientists will find a wealth of material in FUN WITH SCIENCE by Mae and Ira Freeman (*Random House*, \$1). Fundamental principles of science are set forth by means of simple and entertaining experiments which can be done at home without complicated equipment. Excellent photographs illustrate the experiments.

Science News Letter, April 17, 1943

Just Off the Press

BIOLOGY: THE SCIENCE OF LIFE—Mary Stuart MacDougall and Robert William Hegner—*McGraw-Hill*, 963 p., illus., \$4.
CHILE: A Geographic Extravaganza—Benjamin Subercaseaux—*Macmillan*, 255 p., \$3.
CONTRIBUTIONS TO EMBRYOLOGY: Carnegie Institution of Washington—*Carnegie Institution*—246 p., illus., \$4.50 paper, \$5 cloth binding. Volume XXX: nos. 187 to 197, publication 541.
A COURSE IN THE FUNDAMENTALS OF ELECTRICITY—Morton Mott-Smith—*Westinghouse Electric and Manufacturing Co., and Science Service*, 65 p., illus., 15c each, \$1 for ten copies.
EGYPT AND THE SUEZ CANAL—Frank H. H. Roberts, Jr.—*Smithsonian Institution*, 68 p., illus., free upon direct application to the Smithsonian. (Smithsonian Institution War Background Studies Number Eleven.)
EVERYDAY ELECTRICITY AND MAGNETISM—A. C. Penney—*Longmans, Green*, 248 p., illus., \$1.75. English textbook.
HEART DISEASE IS CURABLE—Peter J. Steincrohn—*Doubleday, Doran*, 193 p., \$1.98.
THE HOME VETERINARIAN'S HANDBOOK: A Guide for Handling Emergencies in Farm Animals and Poultry—E. T. Baker—*Macmillan*, 191 p., \$2.50.
LABORATORY EXPERIMENTS IN PHYSIOLOGY—W. D. Zoethout—*Mosby*, 256 p., illus.,

\$2.25. Third edition.

THE MAMMALS OF EASTERN UNITED STATES—W. J. Hamilton, Jr.—*Comstock Publishing Co.*, 432 p., illus., \$4. Handbook of American Natural History, volume II.
MODERN MARINE ENGINEER'S MANUAL: Volume II—Alan Osbourne, editor-in-chief—*Cornell Maritime Press*, 1200 p., illus., \$4. This volume is the completion to the Modern Marine Engineer's Manual.
PIONEER TO THE PAST: The Story of James Henry Breasted—Charles Breasted—*Scribner's*, 436 p., \$3.50.
RELIGION, SCIENCE, AND SOCIETY IN THE MODERN WORLD—Alexander D. Lindsay—*Yale Univ. Press*, 73 p., \$1.50.
SCIENCE, PHILOSOPHY AND RELIGION: THIRD SYMPOSIUM—*Conference on Science. Philosophy and Religion*, 438 p., \$3.
SUB-ATOMIC PHYSICS—Herbert Dingle—*Ronald Press*, 272 p., illus., \$2.25. (This book forms Volume II of a course of Physics for Aeronautical Students, complete in two volumes. Volume I is Mechanical Physics.)
VERTEBRATE PHOTORECEPTORS—Samuel R. Detwiler—*Macmillan*, 184 p., illus., \$4. "A general account of the usual cells of vertebrates with particular emphasis upon their structure, development, distribution, and certain aspects of their physiology."