

First Glances at New Books

► UP TO DATE material for the radio engineer is found in FREQUENCY MODULATION by August Hund (*McGraw-Hill*, \$4). Thorough treatment of this relatively new field includes application of mathematical formulas in gradual steps. Useful comparison of the amplitude, phase and frequency types of modulation, is also made.

Science News Letter, November 28, 1942

► WAR DEMANDS call for many more persons trained in drawing. MECHANICAL DRAWING, by Ervin Kenison, James McKinney and Tom C. Plumridge (*American Technical Society*, \$2) is a book for the beginner studying at home after work, as well as for the school student. It is profusely and well illustrated.

Science News Letter, November 28, 1942

• SECRET AGREEMENTS between American and Nazi corporations, patent monopolies, and the hamstringing of our war production are charged in PATENTS FOR HITLER, by Guenter Reimann (*Vanguard*, \$2.50) which utilizes data gathered by Congressional committees and the Department of Justice. Hitler's secret weapon was "the spider web of cartels, patent exchanges, licensing arrangements, divisions of territory, etc., concluded between German industrial concerns and those of other nations."

Science News Letter, November 28, 1942

► "GOOD SHOW"! That is what the RAF lads say when they bring down the enemy. You can have a taste of it as experienced by Squadron Leader "B. J. Ellan" if you read his SPITFIRE! THE EXPERIENCES OF A FIGHTER PILOT (*John Murray*, \$1.50). You will get a glimpse, too, of the sort of emotional conflict that makes a man glad that he didn't have any ammunition left to shoot a German pilot, helpless with his gunner dead, although if he had had the ammunition he "would have done it, not because I hated that German personally—I didn't know who he was—but because I wanted to and got a kick out of it."

Science News Letter, November 28, 1942

► AVERAGE INTELLIGENCE is all a person requires to achieve a clear grasp of the essentials of arithmetic through trigonometry, and some of the elements of physics, in A MATHEMATICAL REFRESHER by A. Hooper, American Edi-

tion (*Holt*, \$1.90). The original English edition was written for Royal Air Force candidates who found their mathematics rusty or had not properly grasped the subject at school.

Science News Letter, November 28, 1942

► THE PEAKS AND VALLEYS of human progress are outlined in A MILLION YEARS OF HUMAN PROGRESS, by Ira D. Cardiff (*Dorset House*, \$2.). "Taking things for granted," was one of the main causes of the many downward plunges of civilization in the past, Mr. Cardiff finds, and is a dangerous menace today.

Science News Letter, November 28, 1942

► FIRST WEAPON of defense is understanding of the enemy. An exposure of the Nazi plans for the war of nerves and other attacks on the minds of their opponents is contained in GERMAN PSYCHOLOGICAL WARFARE, edited by Ladislav Farago for the Committee for National Morale (*Putnam*, \$3) now published in a new cloth-bound edition.

Science News Letter, November 28, 1942

► LIFE AND ACHIEVEMENT are moulded by the weather according to Clarence A. Mills, in CLIMATE MAKES THE MAN (*Harper* \$3.). Climate affects our rate of growth, speed of development, resistance to infection, fertility of mind and body, happiness and length of life. The whole story of human history can be better understood when climatic factors are borne in mind. Dr. Mills also punctures some myths regarding climatic factors, and discusses the effects of drugs and stimulants.

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► FIRE LOSSES can hamper the war effort, even without incendiary raids. Teachers, civilian defense workers and others interested in community protection will find FIRE PREVENTION EDUCATION by Charles C. Hawkins (*National Board of Fire Underwriters*, 85c; 10 to 50 copies, 50c; special rates for quantity orders), a thorough manual. One section is devoted to fire prevention and protection programs for schools; the second section concerns community programs.

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Just Off the Press

ALUMINUM: A MAGIC MINERAL — Lilian Holmes Strack—*Harper*, 56 p., illus., \$1. Juvenile.

AMERICA'S FUTURE—Fern Long—*American Library Association*—9 p., 25c. Reprint of Vol. 36, No. 13, Part II. The second of the series of reading lists prepared by the adult education field worker of the Cleveland Public Library.

A. S. T. M. STANDARDS ON PETROLEUM PRODUCTS AND LUBRICANTS—A. S. T. M. Committee D-2 — *American Society For Testing Materials*, 442 p., illus., \$2.25.

AN ELEMENTARY COURSE IN QUALITATIVE ANALYSIS—William Lloyd Evans, Jesse Erwin Day and Alfred Benjamin Garrett—*Ginn*, 240 p., \$2.25. New edition.

DRIVES TOWARD WAR—Edward C. Tolman—*Appleton-Century*, 118 p., \$1.25.

THE EFFECTIVE USE AND PROPER CARE OF THE MICROTOME—Oscar W. Richards—*Spencer Lens Company*—88 p., illus., 25c.

ELEMENTARY METEOROLOGY — Vernor C. Finch, Glenn T. Trewartha, M. H. Shearer and Frederick L. Caudle — *McGraw-Hill*, 301 p., illus., \$1.76. A book designed for secondary school students which gives the principles of meteorology. "Two chapters apply these principles to the problem of aviation."

GLIMPSES INTO CHILD LIFE: The Twelve-Year-Old at Home and School — Rose Zeligs—*Morrow*, 442 p., \$3. Based on study of normal children and written by a public school teacher. Gives parents new insight into the interests, attitudes and

development of their adolescent children. INTRODUCTORY CHEMISTRY FOR THE LABORATORY—Alfred B. Garrett, Laurence L. Quill, and Frank H. Verhoek—*Ginn*, 240 p., \$1.60. Text-book for first-year course in chemistry.

LABOR RELATIONS AND THE WAR—Herman Feldman, ed.—*The American Academy of Political and Social Science*, 244 p., \$2, paper, \$2.50 cloth to non-members; \$1, paper, \$1.50 cloth to members. Vol. 224, Nov. 1942 of the Annals of the American Academy of Political and Social Science.

THE MAN BEHIND THE FLIGHT—Assen Jordanoff—*Harper*, 317 p., illus., \$3.50. "A Ground Course for Aviation Mechanics and Airmen". Nicely illustrated.

MANUAL FOR THE MICROSCOPICAL DIAGNOSIS OF MALARIA IN MAN—Aimee Wilcox—*United States Govt. Print. Off.*, 79 p., illus., 30c.

SCIENCE IN WAR—*Philadelphia College of Pharmacy and Science*, 97 p., \$1. Popular Science talks, vol. XIV. A series of popular science lectures given by the members of the faculty of the Philadelphia College of Pharmacy and Science.

WINGED MARS: Vol. 1, The German Air Weapon, 1870-1914—John R. Cuneo—*Military Service Publishing Co.*, 338 p., \$2.50.

WORKBOOK IN METEOROLOGY—Atheletan F. Spilhaus and James E. Miller—*McGraw-Hill*, 163 p., illus., \$2.50, accompanying maps, 50c.