

Books of the Week

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AIRBORNE WARFARE—James M. Gavin—*Infantry Journal*, 186 p., illus., \$3.00.

The author foresees for future warfare a troop-carrying aircraft that would release the entire fuselage at the destination, the pilot returning with the power plant to pick up another cargo body. He also looks for high-speed chutes that will permit safe jumping at several hundred miles per hour.

THE BLOWFLIES OF NORTH AMERICA—David G. Hall—*Thomas Say Foundation*, 477 p., illus., \$6.50. A systematic account of the 83 species known in North America and familiar to most of us as "blue-bottles".

THE BULLDOG: An Illustrated Standard of the Breed; A Picture Study of Good Points and Faults; Containing Information on the History, Anatomy, Breeding, Feeding, Training and Management of Bulldogs—Enno Meyer—*Orange Judd Publishing Co.*, 151 p., illus., \$3.00.

THE CARE AND MANAGEMENT OF LABORATORY ANIMALS: Handbook of the Universities Federation for Animal Welfare—Alastair N. Worden—*Williams and Wilkins*, 368 p., illus., \$8.50.

ELECTRONIC INSTRUMENTS—Ivan A. Greenwood, Jr., J. Vance Holdam, Jr. and Duncan Macrae, Jr., Eds.—*McGraw-Hill*, 721 p., illus., \$9.00. Treating electronic analogue computers, instrument servo-mechanisms, voltage and current regulators and pulse test equipment, all important adjuncts to many modern radar systems.

THE ENGINEERING SOCIETIES YEARBOOK: The Periodical Reference Book on Engineering Societies, Clubs, and Councils in the United States and Canada—Harry B. Coffin, Ed.—*American Society of Mechanical Engineers*, 95 p., paper, \$3.00.

ESSENTIALS OF RADIO—Morris Slurzberg and William Osterheld — *McGraw-Hill*, 806 p., illus., \$4.00. A textbook for students of radio and others who wish a knowledge of the subject.

FATTY ACIDS AND THEIR DERIVATIVES—A. W. Ralston—*Wiley*, 986 p., \$10.00. Concerned only with those acids which contain six or more carbon atoms and their derivatives.

MANUAL ON WOOD CONSTRUCTION FOR PREFABRICATED HOUSES — Forest Products Laboratory—*Govt. Printing Office*, 330 p., illus., paper, \$1.50. For all those interested in planning or in building—a wealth of information and "know-how."

THE MODERN METALLURGY OF ALLOYS—R. H. Harrington—*Wiley*, 209 p., \$3.50. A reference book and text for students, instructors, and practicing metallurgists.

OUR ENEMY THE TERMITE—Thomas Elliott Snyder—*Comstock*, rev. ed., 257 p., illus., \$3.50. A new edition of an important book which has been out of print for several years. Damage done by this insect is described, as well as methods of control, but the author warns against exaggerated fears.

POULTRY HANDBOOK: An Encyclopedia for Good Management of All Poultry Breeds—Rudolph Seiden, Ed.—*Van Nostrand*, 410 p., illus., \$6.00. Information for poultry raisers all in alphabetical order.

PSYCHOLOGIC THERAPY IN RESPIRATORY DISEASES—Alvan L. Barach—*Lippincott*, 2d ed., 408 p., illus., \$9.00. On the use of oxygen, carbon dioxide, rare gases, helium, positive pressure, alternating pressure, equalizing chest pressures and aerosols.

PSYCHOLOGICAL WARFARE—Paul M. A. Linebarger—*Infantry Journal*, 259 p., illus., \$3.50. The understanding of psychological warfare and the defenses against it is an important part of winning not only the victory but the peace. Here is distilled the experience of the author as civilian expert and as Army officer in World War II.

PULSE GENERATORS—G. N. Glasoe and J. V. Lebacqz, Eds.—*McGraw-Hill*, 741 p., illus., \$9.00. Report of research developing from the need for equipment capable of delivering high-power pulses for a microwave-radar system; the techniques are, however, applicable to many problems in physics and engineering.

THROW ME A BONE: What Happens When You Marry an Archaeologist — Eleanor Lothrop — *McGraw-Hill*, 234 p., illus., \$3.00. The author got a lot of amusement out of the archaeological expeditions to Chile and Guatemala which constituted her honeymoon.

VIOLIN VARNISH: A Plausible Re-Creation of the Varnish Used by the Italian Violin Makers Between the Years 1550 and 1750 A.D.—Joseph Michelman—*Joseph Michelman*, 185 p., \$3.75. The results of research into old manuscripts and chemical experimentation presented for the benefit of scientists, collectors, and violinists.

Science News Letter, May 15, 1948

France, until about a decade ago, furnished America with most of its cigarette paper, using linen rags of Europe as a source of materials; America now makes its own cigarette paper and makes it from home-grown flax.

MEDICINE

Sex Hormones May Help Heal Broken Bones in Aged

► SEX hormones may help the healing of broken bones in old people, it appears from a report of Dr. W. O. Thompson of Chicago to the American College of Physicians meeting in San Francisco.

Male hormone treatment of broken bones in old men is one of 14 uses of this material listed by Dr. Thompson.

Use of the hormone is based on its influence on the growth of bone and laying down of calcium in bone. Not enough observations of the hormone's effect in broken bones have been made to prove beyond doubt that it is helpful, Dr. Thompson cautioned, but several scientists have observed good results.

Similar improvement, he said, has been reported in older women with broken bones as a result of doses of female hormone, which also influences growth of bone.

Science News Letter, May 15, 1948

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