

### Bloodthirsty Lady

► FAR AHEAD of the bears and the possums, an unpopular member of the great outdoors goes into hibernation at the first signs of frost.

The trouble is, they have not gone far enough. The ladies of the race, deadlier than the males by virtue of their inordinate thirst for warm, red blood, have simply taken a long last drink and gone off to a protected corner, a rotted tree trunk or a crevice in the rocks. The blood is converted to a reserve of fat and mother mosquito settles down to a winterlong coma.

Her two-legged enemy will not be idle during the winter, however. In the great spruce and fir forests of the Pacific Northwest, where the summertime mosquito population per cubic foot of air is sometimes brutal, scientists will be experimenting this year in an odd way. Before the winter snows begin to fall, and although there is not an active mosquito within hundreds of miles, men will be out spraying with DDT.

As the snows melt in spring and mosquito larvae wiggle into life in the dripping thaws, the water will hold a nasty surprise. The DDT dissolved in the melting snow, the scientists hope, will kill far more mosquitoes than the same amount

sprayed on the forests later in the year.

Dr. Marston Bates, writing in the magazine *NATURAL HISTORY*, tells of one mosquito variety in Africa and Malaya—there are about 2000 known kinds over the world—which has taken to bothering ants rather than humans. These bandits station themselves directly in front of hard-working ants

and glower until the ant stops and opens its jaws. Whereupon the mosquito reaches into the ant's mouth and drains off any honey it finds there.

Not that any harm should be wished upon the ants, but this is a career more mosquitoes should pursue.

Science News Letter, November 25, 1950

## Books of the Week

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ARTIFICIAL DRYING OF FORAGE CROPS—E. D. Gordon and W. M. Hurst—*Gov't. Printing Office*, U. S. Dept. of Ag. Circ. No. 443, 28 p., illus., paper, 10 cents.

BILLY BUYS A DOG—Elizabeth Laing Stewart—*Reilly & Lee*, 44 p., illus., \$2.00. A clever way for a 1st or 2nd grader to learn the different types of dogs. Many full page illustrations.

THE BIOLOGY OF HUMAN STARVATION—Vol. I & II—Ancel Keys and others—*University of Minnesota Press*; Vol. I: 763 p.; Vol. II: 621 p.; illus.; \$24.00 set. The history and present problems of undernutrition throughout the world.

CINCHONA PROPAGATION—Harold F. Winters—*Gov't. Printing Office*, U. S. Dept. of Ag. Bull. No. 47, 26 p., illus., paper, 15 cents. A report on propagation methods, the history of Cinchona, and diseases affecting Cinchona, the natural source of quinine.

COPEPODS GATHERED BY THE UNITED STATES FISHERIES STEAMER "ALBATROSS" FROM 1887 TO 1909, CHIEFLY IN THE PACIFIC OCEAN: Contributions to the Biology of the Philippine Archipelago and Adjacent Regions—Charles Branch Wilson—*Gov't. Printing Office*, U. S. Nat'l. Museum Bull. 100, 300 p., illus., paper, \$1.00.

DECIDUOUS FORESTS OF EASTERN NORTH AMERICA—E. Lucy Braun—*Blakiston*, 596 p., illus., \$10.00. Primarily a reference book or a text for advanced students.

DICTIONARY OF FOREIGN TRADE—Frank Henius—*Prentice-Hall*, 2nd ed., 957 p. illus., \$10.00. Definitions of foreign trade terms, usages, practices, procedures, and abbreviations, alphabetically arranged.

DISCUSSION ON THE PRESENT STATUS OF RADIATION GENETICS—*Oak Ridge National Laboratory*, 210 p., illus., paper, free upon request to publisher, P. O. Box P, Oak Ridge, Tenn. Among the topics discussed are the effects of radiation on mitosis, fungi, *Paramecium aurelia* and chromosome structure. These papers were given at the information meeting for Biology and Medicine of the Atomic Energy Commission, March 26-27, 1948. Reprinted from the *Journal of Cellular and Comparative Physiology*.

ECONOMIC ASPECTS OF ATOMIC POWER—Sam H. Schurr and Jacob Marschak and others—*Princeton University Press*, 289 p., illus., \$6.00. An exploratory study.

EFFECTIVE TEACHING: A Manual for Engineering Instructors—Fred C. Morris—*McGraw-Hill*, 86 p., illus., paper, 60 cents.

ELECTRICITY ON FARMS IN THE EASTERN LIVESTOCK AREA OF IOWA: A Progress Report—Joe F. Davis and Paul E. Strickler—*Gov't. Printing Office*, U. S. Dept. of Ag. Circ. No. 852, 88 p., illus., paper, 25 cents.

EVERYDAY MACHINES AND HOW THEY WORK—Herman Schneider—*Whittlesey*, 192 p., illus., \$2.50. Explains how many household machines and devices work. Drawings are by Jeanne Bendick.

THE EXCEPTIONAL CHILD IN INFANCY AND EARLY CHILDHOOD: Proceedings of the Annual Spring Conference on Education and the Exceptional Child Under the Auspices of the Child Research Clinic of the Woods Schools at Langhorne, Pa., May, 1950—*The Woods Schools*, 48 p., paper, free upon request to publisher, Langhorne, Pa.

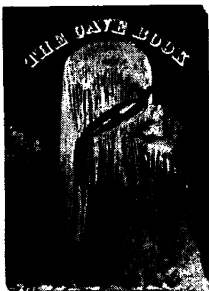
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**HOLDING POWER AND SIZE OF HIGH SCHOOLS**—Walter H. Gaumnitz and Ellsworth Tompkins—*Gov't. Printing Office*, Federal Security Agency Circ. No. 322, 25 p., illus., paper, 20 cents. A brief study.

**IDENTIFICATION OF BRASSICAS BY SEEDLING GROWTH OR LATER VEGETATIVE STAGES**—Albina F. Musil—*Gov't. Printing Office*, U. S. Dept. of Ag. Circ. 857, 26 p., illus., paper, 15 cents.

**INDUSTRIAL AND SAFETY PROBLEMS OF NUCLEAR TECHNOLOGY**—Morris H. Shamos and Sidney G. Roth, Eds.—*Harper*, 368 p., illus., \$4.00. For the well-informed layman. Lectures presented at the New York University forum, Jan. 10-12, 1950, on the non-military uses of atomic energy.

**LIVE: Vol. I, No. 1**—Cameron Day and Myron Emanuel, Eds.—*National Safe Drivers Association*, 95 p., paper, \$1.00 per year. A quarterly devoted to providing information for careful driving.

**MEDICAL EDUCATION IN THE UNITED STATES AND CANADA, 1949-50**—*American Medical Association*, 73 p., illus., paper, 50 cents. Reprinted from the Educational Number of the *Journal of the American Medical Association*.

**NEW ATOMS: Progress and Some Memories**—Otto Hahn—*Elsevier*, 183 p., illus., \$1.75. A collection of the author's papers edited by Dr. W. Gaede. Dr. Hahn was winner of the 1944 Nobel Prize in Chemistry and discoverer of the fission of uranium.

**THE OCCURRENCE OF BARIUM IN SOILS AND PLANTS**—W. O. Robinson, R. R. Whetstone and Glen Edgington—*Gov't. Printing Office*, U. S. Dept. of Ag. Tech. Bul. No. 1013, 36 p., illus., paper, 15 cents.

**PERSPECTIVES ON A TROUBLED DECADE: Science, Philosophy, and Religion, 1939-1949**—Lyman Bryson, Louis Finkelstein and R. M. MacIver Eds.—*Conference on Science, Philosophy and Religion in Their Relation to the Democratic Way of Life, Inc.* (Distributed by Harper), 901 p., \$5.50. Papers presented before the Tenth meeting of the Conference, Sept. 6-9, 1949.

**PHYSICS OF THE SUN AND STARS**—W. H. McCrea—*Hutchinson's University Library* (U. S. Distributor: Longmans, Green), 192 p., illus., \$2.00. A survey of the main features of the physical state of the universe.

**PRINCIPLES OF GENERAL PSYCHOPATHOLOGY: An Interpretation of the Theoretical Foundations of Psychopathological Concepts**—Siegfried Fischer—*Philosophical Library*, 327 p., illus., \$4.75.

**PROBLEMS IN ENGINEERING DRAWING**—J. N. Arnold—*Prentice-Hall*, 3rd ed., 76 p., illus., paper, \$4.35. Lettering exercises, working drawing, assembly drawing and pictorial drawing are included.

**REMAINS OF LAND MAMMALS FROM THE MIOCENE OF THE CHESAPEAKE BAY REGION**—C. Lewis Gazin and R. Lee Collins—*Smithsonian Institution*, Publ. 4019, 21 p., illus., paper, 25 cents.

**SOURCE MATERIALS ON KOREAN POLITICS AND IDEOLOGIES**—Donald G. Tewksbury, Compiler—*Institute of Pacific Relations*, Vol. II of the series of Source Books on Far Eastern Political Ideologies, 190 p., paper, \$2.50.

**TURRIALBA: Revista Interamericana de Ciencias Agricolas** Vol. I, No. 1—Armando Samper,

Ed.—*Inter-American Institute of Agricultural Sciences*, 63 p., illus., paper, \$2.00 per year. An inter-American quarterly presenting manuscripts on agricultural sciences and rural life. Some contributions are in Spanish and some in English.

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