

# Books of the Week

TO SERVE YOU: To get books, send us a check or money order to cover retail price. Address Book Dept., SCIENCE NEWS LETTER, 1719 N St., N. W., Washington 6, D. C. Ask for free publications direct from issuing organizations.

**THE AFRICAN VIOLET (SAINTPAULIA)**—Helen Van Pelt Wilson—*Barrows*, 191 p., illus., \$2.50. For those who are fond of this house plant.

**THE ATOM**—Sir George Thomson—*Oxford*, 3d ed., 196 p., illus., \$2.00. This book by the British Nobelist has been brought up to date by new chapters.

**AUSTRALIAN BIRD LIFE**—Charles Barrett—*Oxford*, 239 p., illus., \$3.25. A readable account.

**THE BACK AND ITS DISORDERS**—Philip Lewin—*McGraw-Hill*, 157 p., illus., \$2.50. Written by a professor of bone and joint surgery especially for persons who have backache or who are candidates for it and also for their relatives and friends.

**A BIOCHEMICAL HYPOTHESIS OF THE GENESIS OF CANCER**—Louis A. Pinck—*New York Academy of Sciences*, 17 p., paper, 50 cents.

**BROADCAST OPERATORS HANDBOOK**—Harold E. Ennes—*John F. Rider*, 265 p., illus., \$3.30. Intended for the man in the control room—oldtimers as well as newcomers.

**THE BUSINESS OF FARMING**—Herrell DeGraff and Ladd Haystead—*Univ. of Oklahoma Press*, 244 p., illus., \$3.00. A practical book with the emphasis strictly on profits, not romance.

**CHILDHOOD AND DEVELOPMENT AMONG THE WIND RIVER SHOSHONE**—D. B. Shimkin—*Univ. of California Press*, 37 p., paper, 75 cents.

**CHROMATOGRAPHY**—Harold G. Cassidy—*New York Academy of Sciences*, 325 p., illus., paper, \$2.75.

**DAVID LILIENTHAL: Public Servant in a Power Age**—Willson Whitman—*Holt*, 245 p., \$3.00. This biography is, naturally, also the story of TVA.

**ELEMENTARY PHYSICAL METALLURGY: With Emphasis on Ferrous Metallurgy**—Edward G. Mahin—*Chemical Publishing Co.*, 276 p., illus., \$6.00. For plant workers as well as students.

**ENGINEERING APPLICATIONS OF FLUID MECHANICS**—J. C. Hunsaker and B. G. Rightmire—*McGraw-Hill*, 494 p., illus., \$5.00. Of prime importance in understanding the action of compressors and turbines and also engines where controlled flow of air, fuel and combustion gases is essential.

**EUROPE'S POPULATION IN THE INTERWAR YEARS**—Dudley Kirk—*Columbia Univ. Press*, 302 p., illus., paper \$3.50, Cloth \$4.00. A League of Nations Publication prepared by Princeton University's Office of Population Research.

**FROM FIJI THROUGH THE PHILIPPINES: With the Thirteenth Air Force**—Benjamin E. Lippincott and others—*Macmillan*, 193 p., illus., \$10.00. Illustrated by paintings by Robert A. Laessig, the book is of historic and artistic interest.

**THE INTERPRETATION OF SPECTRA**—William Mayo Venable—*Reinhold*, 200 p., \$6.00.

**A LABORATORY MANUAL OF COMPARATIVE VERTEBRATE EMBRYOLOGY**—Allyn J. Waterman—*Holt*, 248 p., 63 pl., \$3.50. For the undergraduate.

**MATHEMATICS FOR ENGINEERS**—Raymond W. Dull—*McGraw-Hill*, 2nd ed., 780 p., illus., \$5.50. A reference book for engineers.

**METAL PROCESS ENGINEERING**—Norman E. Woldman—*Reinhold*, 291 p., illus., \$5.00. For engineering students.

**PHILOSOPHY IN A NEW KEY: A Study in the Symbolism of Reason, Rite and Art**—Susanne K. Langer—*Penguin*, 248 p., paper, 35 cents. A reprint of a book originally published by Harvard University in 1942.

**A PSYCHOLOGY OF GROWTH**—Bert I. Beverly—*McGraw-Hill*, 235 p., \$3.00. A book intended especially for nurses to help them understand their small charges, but also of great interest to parents who want their children to grow up to mentally healthy adulthood.

**THE RADIO AMATEUR'S HANDBOOK**—Headquarters Staff of the American Radio Relay League—*American Radio Relay League*, 25th ed., 608 p., illus., \$2.00. A "must" for the "ham" or the person who aspires to be one.

**RUDIMENTS OF CHEMISTRY: The Chemist's View of the Nature of Matter**—Roland M. Whittaker—*Ronald*, 310 p., illus., \$3.00. A college text.

**SYMPOSIUM ON MEDICOLEGAL PROBLEMS**—Samuel A. Levinson, Ed.—*Lippincott*, 255 p., illus., \$5.00. Under the co-sponsorship of the Institute of Medicine of Chicago and the Chicago Bar Association.

**TOOL STEEL SIMPLIFIED: A Handbook of Modern Practice for the Man Who Makes Tools**—Frank R. Palmer and George V. Luerssen—*Carpenter Steel Company*, 2d ed., 564 p., illus., \$2.00.

*Science News Letter, March 6, 1948*

## PHYSIOLOGY-PSYCHOLOGY

### Tests Show Feeding Hungry Is Step to Less Fighting

➤ SUPPORT for the ERP idea that "feeding the hungry is a step in the promotion of peaceful living" comes from goat studies by Dr. J. P. Scott of the Roscoe B. Jackson Memorial Laboratory of Bar Harbor, Me.

The studies were made to test experimentally the effect of hunger on aggression and fighting in an animal. A flock of goats containing several age groups was used. Hungry animals, Dr. Scott found, do fight more than well-fed ones. But they fight chiefly in situations where they are already in the habit of fighting. The scientific conclusion was: "The training of individuals with regard to fighting is perhaps more important than hunger in determining whether or not they are aggressive."

True of goats, Dr. Scott asks whether it applies to humans.

The animals in the study were not undernourished or actually starving as might be the case in human populations. This, Dr. Scott points out, might change the reaction to hunger.

Comparing dominant and subordinate animals, Dr. Scott found that delayed feeding increases the amount of aggressive fighting in the dominant animals and causes the subordinate animals to take more punishment and thus lower the degree of dominance. But delayed feeding almost never causes aggression in the subordinate animals.

The dominance relationships between males, he also found, appears to be approximately but not entirely the same in cases of sexual frustration as in food frustration.

Considering the results of his studies in relation to the Marshall Plan and our activities in Europe, Dr. Scott suggests that our European policy should probably be considered primarily with regard to the effects of food as a reward and as a means of creating good will.

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