

Books of the Week

For the editorial information of our readers, books received for review since last week's issue are listed. For convenient purchase of any U. S. book in print, send a remittance to cover retail price (postage will be paid) to Book Department, Science Service, 1719 N Street, N.W., Washington 6, D. C. Request free publications direct from publisher, not from Science Service.

BIOLOGY OF THE LABORATORY MOUSE—George D. Snell, Ed.—*Dover*, 497 p., illus., \$6.00. A republication of a standard guide, compiled by the staff of the Roscoe B. Jackson Memorial Laboratory, which was originally published by Blakiston in 1941.

THE BOOK OF REPTILES AND AMPHIBIANS—Michael H. Bevens—*Garden City Books*, 63 p., illus., \$2.50. Describing and illustrating many of the reptiles and amphibians of the United States.

CALIFORNIA AND THE SOUTHWEST—Clifford M. Zierer, Ed.—*Wiley*, 376 p., illus., \$11.25. A comprehensive presentation of the geography of California, Nevada, Utah and Arizona, an area that comprises one-seventh of the United States.

A CLASSIFICATION OF THE FIRST INSTAR LARVAE OF THE MELOIDAE (COLEOPTERA)—J. W. MacSwain—*University of California Press*, 182 p., illus., paper, \$3.00. Based largely on the larvae, and including a study of the genera of the world and of all levels of classification for North American forms.

CRICKETS—Olive L. Earle—*Morrow*, 62 p., illus., \$2.00. The life cycle of this insect explained for children and anyone who has heard the chirp of the cricket.

DISEASES OF FRUIT CROPS—Harry Warren Anderson—*McGraw-Hill*, 501 p., illus., \$8.50. The major emphasis is on conditions as they exist in the United States and Canada.

ESSENTIAL UROLOGY—Fletcher H. Colby—*Williams & Wilkins*, 3rd ed., 656 p., illus., \$8.00. For students and residents and for those who are preparing for the examinations of the Board of Urology.

EXPLORING MARS—Roy A. Gallant—*Garden City Books*, 62 p., illus., \$2.00. With the close approach of Mars this September, interest in the "red planet" is great. This book gives in simple language many interesting facts and much of the history of the observation of our close planetary neighbor.

HISTORY OF ANALYTIC GEOMETRY—Carl B. Boyer—*Scripta Mathematica*, Studies No. 6 and 7, 291 p., \$6.00. Only those parts of analytic geometry that might be included in an elementary college course are covered. For this reason, developments of the last hundred years are largely omitted, since they are more advanced and more specialized.

A NEW COURSE OF PLANTS AND ANIMALS—M. A. Grigg—*Cambridge University Press*, Book I, 216 p., illus., \$1.50. A nature study guide for young people.

PROCEEDINGS OF THE INTERNATIONAL CONFERENCE ON THE PEACEFUL USES OF ATOMIC ENERGY: Volume 1, The World's Requirements for Energy: The Role of Nuclear Energy—*United Nations (Columbia University Press)*, 479 p., illus., \$8.00. Discussing the anticipated requirements for energy and the possible ways in which nuclear power can be used to overcome the shortage.

THE STARS BY CLOCK AND FIST—Henry M. Neely—*Viking*, 192 p., illus., \$4.00. Telling young people and any beginning amateur astronomer a way to locate and identify stars by using a simple star clock and one fist.

THE STRENGTH TO MEET OUR NATIONAL NEED—Charles G. Dobbins, Ed.—*American Council on Education*, 125 p., paper, \$1.50. A statement presented to the President's Committee on Education Beyond the High School, together with major addresses given at the conference.

VALENCY AND MOLECULAR STRUCTURE—E. Cartmell and G. W. A. Fowles—*Academic*, 256 p., illus., \$5.80. Written to provide an introductory text in which an elementary account of the development of the quantum theory is combined with a survey of its application to structural chemistry.

Science News Letter, August 18, 1956

BIOPHYSICS

Test Body's Reaction by Electromagnetic Method

► AN ELECTROMAGNETIC METHOD that measures blood flow by electromagnetic induction will be used in a long-range survey of the human body's response to physiological and psychological factors, disease and drugs.

The method was developed by Dr. Alexander Kolin of the U.C.L.A. department of biophysics. The survey will be conducted at the University of California Medical School, under a Los Angeles County Heart Association grant.

An organ's response to a great variety of factors is characterized by changes in blood flow through the organ. These changes, however slight, can be measured by placing the part of the body containing the artery that supplies the organ's blood in a magnetic field.

Electrodes embedded in small plastic sleeves, which fit around the blood vessel, pick up electrical signals induced in the moving blood. Signals are carried by wire to a recording system. The plastic sleeves can be implanted indefinitely in experimental animals.

It is planned to make a systematic study in this manner of the responses of all body organs to many factors. The project will enable U.C.L.A. scientists to test the effects of various drugs, as well as physiological and psychological stress, on such organs as the heart, brain and uterus.

Science News Letter, August 18, 1956

LINGUAPHONE
MAKES IT EASY TO
LISTEN and LEARN to
Speak
SPANISH • FRENCH • ITALIAN
GERMAN • RUSSIAN • JAPANESE

MODERN GREEK—34 languages available
for FREE TRIAL AT HOME

With LINGUAPHONE—The World's Standard Conversational Method—You Start to SPEAK another language TOMORROW or IT COSTS YOU NOTHING! By listening to Linguaphone's fine life-like recordings for just 20 minutes a day, you can learn another language AT HOME—the same easy, natural way you learned to speak English long before you went to school.

Only LINGUAPHONE brings the world's best native language teachers into your home. You hear men and women converse about everyday matters in their native tongue. You listen—YOU understand—You SPEAK correctly as they do. It's like living in another land.

That's why Linguaphone is used 'round the world by scientists, educators, governments and business firms. More than a million home-study students of all ages have learned to speak another language this ideal way.

Send or call today for Free booklet fully describing the conversational method; also details on how you may obtain a COMPLETE Course unit in the language you choose on FREE TRIAL. Linguaphone Institute, T-31-086 Rock Plaza, N. Y. 20. CI 7-0830.

LINGUAPHONE INSTITUTE CI 7-0830

T-31-086 Rock Plaza, New York 20, N. Y.

Please send me: FREE Book.

Details on FREE trial. No obligation, of course.

My language interest is.....

Name.....

Address.....

City..... Zone..... State.....

World's Standard Conversational Method For
Over Half a Century

Powerful Electric Generator

Cost Over \$20.00 New; While They Last. \$3.95

Generates UP TO 75 volts.

Use to generate electricity, ring bells, light up

batteries, as a medical

battery, deliver terrific electric shock as joke,

many electrical experiments, classroom uses,

etc. Cost over \$20 new.

Used but excellent operating condition. Hand crank

or gear wheel drive. Made by leading electrical companies.

Each has 3 or 4 five-inch 1-lb. bar magnets (alone worth more than total cost), generating armature, wire leads, gear crank, ready for use. Originally used in crank phones. Complete unit weighs over 5 lbs. Each Postpaid \$3.95.

Johnson Smith Company, Dept. 332, Detroit 7, Mich.

Johnson Smith Company, Dept. 332, Detroit 7, Mich.

Johnson Smith Company, Dept. 332, Detroit 7, Mich.

Johnson Smith Company, Dept. 332, Detroit 7, Mich.

Johnson Smith Company, Dept. 332, Detroit 7, Mich.

Johnson Smith Company, Dept. 332, Detroit 7, Mich.

Johnson Smith Company, Dept. 332, Detroit 7, Mich.

Johnson Smith Company, Dept. 332, Detroit 7, Mich.

Johnson Smith Company, Dept. 332, Detroit 7, Mich.

Johnson Smith Company, Dept. 332, Detroit 7, Mich.

Johnson Smith Company, Dept. 332, Detroit 7, Mich.

Johnson Smith Company, Dept. 332, Detroit 7, Mich.

Johnson Smith Company, Dept. 332, Detroit 7, Mich.

Johnson Smith Company, Dept. 332, Detroit 7, Mich.

Johnson Smith Company, Dept. 332, Detroit 7, Mich.

Johnson Smith Company, Dept. 332, Detroit 7, Mich.

Johnson Smith Company, Dept. 332, Detroit 7, Mich.

Johnson Smith Company, Dept. 332, Detroit 7, Mich.

Johnson Smith Company, Dept. 332, Detroit 7, Mich.

Johnson Smith Company, Dept. 332, Detroit 7, Mich.

Johnson Smith Company, Dept. 332, Detroit 7, Mich.

Johnson Smith Company, Dept. 332, Detroit 7, Mich.

Johnson Smith Company, Dept. 332, Detroit 7, Mich.

Johnson Smith Company, Dept. 332, Detroit 7, Mich.

Johnson Smith Company, Dept. 332, Detroit 7, Mich.

Johnson Smith Company, Dept. 332, Detroit 7, Mich.

Johnson Smith Company, Dept. 332, Detroit 7, Mich.

Johnson Smith Company, Dept. 332, Detroit 7, Mich.

Johnson Smith Company, Dept. 332, Detroit 7, Mich.

Johnson Smith Company, Dept. 332, Detroit 7, Mich.

Johnson Smith Company, Dept. 332, Detroit 7, Mich.

Johnson Smith Company, Dept. 332, Detroit 7, Mich.

Johnson Smith Company, Dept. 332, Detroit 7, Mich.

Johnson Smith Company, Dept. 332, Detroit 7, Mich.

Johnson Smith Company, Dept. 332, Detroit 7, Mich.

Johnson Smith Company, Dept. 332, Detroit 7, Mich.

Johnson Smith Company, Dept. 332, Detroit 7, Mich.

Johnson Smith Company, Dept. 332, Detroit 7, Mich.

Johnson Smith Company, Dept. 332, Detroit 7, Mich.

MAKE MONEY WRITING .. short paragraphs!

You don't have to be a trained author to make money writing. Hundreds now making money every day on short paragraphs. I tell you what to write, where and how to sell; and supply big list of editors who buy from beginners. Lots of small checks in a hurry bring cash that adds up quickly. No tedious study. Write to sell, right away. Send for free facts. BENSON BARRETT, Dept. 163-V, 7464 Clark St., Chicago 26, Ill.