

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.

THE BOOK OF POTTERY AND PORCELAIN—Warren E. Cox—*Crown*, 1158 p., illus., \$7.50. For art students, collectors and craftsmen, this book, formerly published in two large volumes, is now gathered into one. Profusely illustrated.

ANNUAL REPORT CARNEGIE CORPORATION OF NEW YORK FOR THE YEAR ENDING SEPTEMBER 30, 1953—Charles Dollard, President—*Carnegie Corporation of New York*, 78 p., paper, free upon request direct to publisher, 522 Fifth Ave., New York, N. Y. Roughly 25% of our youth are in colleges. If the proportion increases and even approximates that recommended by the President's Commission, the consequences for our colleges will be enormous.

CHILDREN: Volume 1, Number 1—Elizabeth H. Ross and others, Eds.—*Govt. Printing Office*, 40 p., illus., paper, 25 cents a copy, \$1.25 a year. This magazine, published six times a year, is successor to "The Child." Articles are addressed to all professions, teachers and research workers concerned with the well-being of children.

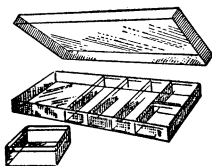
DESERT RESEARCH: Proceedings, International Symposium Held in Jerusalem, May 7-14, 1952, Sponsored by the Research Council of Israel and the United Nations Educational, Scientific, and Cultural Organization—*Research Council of Israel (Interscience)*, Special Publication No. 2, 641 p., illus., paper, \$6.00. Many nations lie entirely or in greater part in arid zones. For them and many others, the conquest of the desert is vital.

DIFFERENTIAL EQUATIONS WITH APPLICATIONS—Herman Betz, Paul B. Burcham and George M. Ewing—*Harper*, 310 p., \$4.50. Text for an introductory course.

A FIELD GUIDE TO THE BIRDS OF BRITAIN AND EUROPE—Roger Tory Peterson, Guy Mountfort and P. A. D. Hollom With an introduction by Julian Huxley—*Houghton Mifflin*, 318 p., illus., \$5.00. If you plan a trip to Europe this summer, here is a small book you can slip in your pocket to help you identify the strange birds you will see. There are many color illustrations and silhouettes to help you identify birds on the wing.

FINANCING HOSPITAL CARE IN THE UNITED STATES: Recommendations of the Commission on Financing of Hospital Care—Gordon Gray, Chairman—*Commission on Financing of Hospital Care*, 56 p., paper, \$1.00. Addressed to such questions as "How much of the increased cost of hospitalization is due to expanded service?" "How much to high costs?" "How may costs be held to a minimum?"

TRANSPARENT PLASTIC BOXES



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R. P. CARGILLE LABORATORIES, INC.
117 Liberty Street, New York, N. Y.

FIRST COURSE IN CALCULUS—Hollis R. Cooley—*Wiley*, 643 p., \$6.00. To give the student insight into the concepts and problems of calculus.

A FIRST COURSE IN ORDINARY DIFFERENTIAL EQUATIONS—Rudolph E. Langer—*Wiley*, 249 p., illus., \$4.50. For students with a year's experience in calculus.

IDEALS OF LIFE: An Introduction to Ethics and the Humanities—Millard Spencer Everett—*Wiley*, 736 p., \$5.00. Presenting a text with classical passages worked in so that the whole will give the student a fair presentation of opposing points of view and lead him to develop his own philosophy.

THE INSTITUTE FOR CANCER RESEARCH AND THE LANKENAU HOSPITAL RESEARCH INSTITUTE FIFTH SCIENTIFIC REPORT 1952-1953—Stanley P. Reimann, Scientific Director—*Institute for Cancer Research and the Lankeau Hospital*, 45 p., paper, free upon request direct to publisher, Philadelphia, Pa. An account of activities of the past year, centered around the problem of differentiation and the differences between cancer cell and normal cell.

MAKING AND USING CLASSROOM SCIENCE MATERIALS IN THE ELEMENTARY SCHOOL—Glenn

MEDICINE

Rigidity Is Relieved

► INJECTION OF the local anesthetic, procaine, into a nerve structure within the head has brought temporary relief of tremor and rigidity in eight patients with Parkinsonism, or shaking palsy as the layman calls it, Dr. Irving S. Cooper of New York University announces in *Science* (March 26).

Dr. Cooper tried the procaine injection in 10 patients with the hope of making it a test to select those who would be helped by an artery crushing operation he previously discovered would aid some of these shaking palsy victims. (See SNL, June 27, 1953, p. 391.)

The artery crushing operation has since been used successfully by eight other doctors for patients with far-advanced Parkinsonism. In some cases, rigid and disabling deformities, such as a permanently bent wrist, formerly considered incurable, have been reversed by the operation.

The artery that is crushed lies inside the head and is called the anterior choroidal artery. Since to crush it involves a head operation on sick patients, Dr. Cooper sought a means of telling in advance which patients might benefit from it.

The procaine test is made by removing a disk of bone from the skull above the ear at about the level of the eyebrows. Through this opening the procaine is injected a little over an inch into the brain and into a structure called the globus pallidus.

In eight cases, the tremor and rigidity of hands and feet on the opposite side of the

O. Blough and Marjorie H. Campbell—*Dryden*, 229 p., illus., \$2.75. Showing the teacher with a limited budget how she can make her own equipment, and how she can teach the children by helping them to make simple instruments and devices.

THE MEIBOMIAN GLANDS OF VOLES AND LEMMINGS (MICROTINAE)—Wilbur B. Quay—*University of Michigan Press*, Miscellaneous Publications, Museum of Zoology, No. 82, 17 p., 3 plates, paper, 15 cents. The variation and trends of these tarsal glands from the eyelids of mammals should aid in understanding the morphological relationships of the groups within the subfamily.

SCIENCE: A Story of Observation and Experiment, Book 1—Ira C. Davis, John Burnett and E. Wayne Gross—*Holt*, 341 p., illus., \$3.16. A junior high school text for seventh grade. Discussing fire, water, light, sound, magnetism, and plant growth and utilization.

SCIENCE: A Story of Experiment and Discovery, Book 2—Ira C. Davis, John Burnett and E. Wayne Gross—*Holt*, 438 p., illus., \$3.28. A junior high school text for eighth grade, with many simple experiments for the student to perform himself.

VIRGINIA MINERALS AND ROCKS—Richard V. Dietrich—*Virginia Polytechnic Institute*, Engineering Experiment Station Series No. 90, 61 p., illus., paper, 75 cents. A handbook of information in non-technical form for scouts, 4-H members and nature study groups.

Science News Letter, April 10, 1954

body were markedly reduced or completely stopped within two to five minutes. Tremor and rigidity remained absent for as long as 48 hours afterwards, though some returned within three hours and, in one patient, rigidity returned within 45 minutes.

Science News Letter, April 10, 1954

ANTHROPOLOGY

Fleshy Fathers Found To Have More Daughters

► FAT FATHERS have more daughters than do thin ones, and they also have a larger number of children.

However, in spite of this tendency, young men of today weigh more than did their fathers. This is apparently due to better nutrition and environment, and occurs in spite of heredity and the mating customs of their parents.

These findings were made in a study of the body size and proportions of fathers and sons who attended Harvard University by Dr. Edward E. Hunt Jr. of Forsyth Dental Infirmary, Boston.

Although the Harvard sons weigh more than their fathers, the fathers were more "pot-bellied." The sons are more muscular.

The sons have longer thighs and forearms, and their spines are somewhat longer than their fathers'. However, they have more spinal curvatures.

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