

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.

AERODYNAMICS: Selected Topics in the Light of Their Historical Development—Theodore von Karman—*Cornell University Press*, 203 p., illus., \$4.75. Directed to readers familiar with the facts of aviation development but less familiar with the underlying theories.

ART AND VISUAL PERCEPTION: A Psychology of the Creative Eye—Rudolf Arnheim—*University of California Press*, 408 p., illus., \$10.00. The experiments cited and the psychological thinking are derived largely from gestalt theory, which, the author explains, has shown a kinship to art. Intended to help the student to see better.

ATOMIC POWER FOR PEACE—U. S. Information Agency, 20 p., illus., paper, limited number of copies free upon request direct to publisher, Washington 25, D. C. A picture book showing in excellent photographs some of the many ways that atomic research is contributing to human health and welfare.

ENDEMIC GOITER: The Adaptation of Man to Iodine Deficiency—John B. Stanbury and others—*Harvard University Press*, 209 p., illus., \$4.00. Findings of an expedition to study endemic goiter in Mendoza, Argentina, gathered just before the government made the sale of iodized salt mandatory there.

FUNDAMENTALS OF PSYCHOANALYTIC TECHNIQUE—Trygve Braatoy—Wiley, 404 p., \$6.00. The late head of a large psychiatric clinic in Norway wrote this book for students of psychiatry.

GRENZ RAY THERAPY: Principles, Methods, Clinical Applications—Gustav Bucky and Frank C. Combes—*Springer*, 204 p., illus., \$8.50. Intended especially for dermatologists is this book on the physics and uses of Grenz rays.

HUMAN DEVELOPMENT—John P. Zubek and P. A. Solberg—McGraw-Hill, 476 p., illus., \$6.00. A textbook covering the entire age span from conception to old age. The general orientation is physiological, although chapters are devoted to social development, change of interests and beliefs and personality.

INTELLIGENCE: Statistical Conceptions of Its Nature—L. J. Bischof—*Doubleday*, Doubleday Papers in Psychology, 33 p., illus., paper, 85 cents. A survey of the major theories.

A KEY TO MODERN ECONOMICS—David McCord Wright—Macmillan, 520 p., \$4.75. Intended to lay a foundation for the subject.

LABOR MOBILITY IN SIX CITIES: A Report on the Survey of Patterns and Factors in Labor Mobility, 1940-1950—Gladys L. Palmer and Carol P. Brainerd—*Social Science Research Council*, 177 p., paper \$2.25, cloth \$2.75. The movement of workers is not spread evenly over the whole labor force. Men spend longer and more consecutive periods of time in the labor force than do women. A fourth of the total of workers accounted for one-half of all jobs held.

MICROBES AND YOU—Stanley E. Wedberg—Macmillan, 439 p., illus., \$4.50. A college text as an introductory or survey course for students with little or no background in science. Not intended for premedical students.

MILK AND ITS PRODUCTS: Facts for Consumer Education—Irene H. Wolgamot and Lillian J. Fincher—*Govt. Printing Office*, 31 p., illus., paper, 25 cents. Material for extension workers, teachers, food editors and others who pass on information to the public.

NATURE AND NURTURE: A MODERN SYNTHESIS—John L. Fuller—Doubleday, Doubleday Papers in Psychology, 40 p., paper, 85 cents. A summary for psychologists.

THE OPTICAL PROPERTIES OF ORGANIC COMPOUNDS—Alexander N. Winchell—Academic Press, 2d ed., 487 p., \$12.00. In this edition more than 2,500 substances are described.

PARKING METERS: A Study of Their Number, Revenue and Use—David R. Levin—*Highway Research Board*, Bulletin 81, 119 p., illus., paper, \$1.35. Results obtained from a comprehensive questionnaire returned by 1,167 municipalities out of a total of 2,803 known to have parking meters.

PERCEPTION: A Transactional Approach—William H. Ittelson and Hadley Cantril—*Doubleday*, Doubleday Papers in Psychology, 33 p., paper, 85 cents. Stressing the part of the viewer in creating a perceived world on the basis of past experience.

PHYSICS AND CHEMICAL SCIENCES IN WESTERN GERMANY: A Symposium on Current Research—Under the Direction of Dietrich Schmidt-Ott—*Library of Congress*, 123 p., paper, 50 cents. A bibliographic survey bringing up to 1952 the information on seven fields.

PILOT—Tony LeVier as told to John Guenther with foreword by Arthur Godfrey—*Harper*, 263 p., illus., \$3.50. The story of the adventurous life of a jet test pilot who was one of the first to pierce the sound barrier.

THE PRESENT STATE OF PHYSICS: A Symposium Presented on December 30, 1949 at the New York Meeting of the American Association for the Advancement of Science—Arranged by

Frederick S. Brackett—*American Association for the Advancement of Science*, 265 p., illus., \$6.75. Experts in various fields contribute these papers.

PRISONS IN TRANSFORMATION—Thorsten Sellin and Richard D. Lambert, Eds.—American Academy of Political and Social Science, Annals, May 1954, 227 p., paper, \$2.00. Experts in the field discuss the serious problem of prison administration.

SOCIAL PLANNING IN AMERICA: A Dynamic Interpretation—Joseph S. Himes—*Doubleday*, Doubleday Short Studies in Sociology, 59 p., paper, 95 cents. Intended to furnish practical people with insight and interpretations they can use in the serious business of democratic social planning.

SONGBIRDS OF AMERICA IN COLOR, SOUND AND STORY—Arthur A. Allen and Peter P. Kellogg with foreword by Roger Tory Peterson—*Sound-book (Cornell University Press)*, 27 p., illus., paper, 2 sides 10 inch 33 1/3 L.P. record, \$5.45. Bird songs, color photographs and text to help the bird lover identify his feathered friends.

SPIN-FISHING—Hal Sharp—Sterling, 128 p., illus., \$1.50. For fishermen from novice to expert.

VEGETABLE TANNING MATERIALS—F. N. Howes—Butterworths (Chronica Botanica), 325 p., illus., \$5.50. This international survey of all plants rich in tannin lists some 800 different species.

THE ZOO COMES TO YOU—Burr W. Leyson and Ruth Manecke—Dutton, 88 p., illus., \$2.95. A book of photographs and simple text for little boys and girls (and their parents) who love animals.

Science News Letter, June 12, 1954

GEOPHYSICS

Scientists Study Alaskan Glaciers

► SEVEN SCIENTISTS are now at Lemon Creek Glacier in Alaska to study the relation between weather and the movement of glaciers.

By checking into its present state and past history, they hope to find ways of predicting whether this and other glaciers in the area will recede or advance in the future. Until last summer, no glacier studies had been made of Lemon Creek, now receding as are all but a few other glaciers in the world.

The amount and method of heat exchange between the glacier, which is at an altitude of 4,000 feet, and the air above it will be measured. The scientists will try to find out how fast the glacier is receding, and the kind of balance maintained between new snow and snow lost by evaporation and melting.

This 1954 expedition of the American Geographical Society is supported by the Office of Naval Research, the Army and Air Force. The nearly seven tons of equipment needed to maintain the expedition force on the glacier will be flown from Juneau and parachuted or dropped to them.

Dr. Edward R. LaChapelle, a snow physicist of the U. S. Forest Service, and Richard C. Hubley, a meteorologist from the University of Washington, Seattle, are co-leaders of the expedition.

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