

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.

ADJUSTING TO A COMPETITIVE ECONOMY—THE HUMAN PROBLEM: With a Section on The Increasing Responsibility of the Manufacturing Executive—Paul D. Arnold and others—*American Management Association*, Manufacturing Series, No. 214, 48 p., paper, \$1.25.

ANIMALS OF THE SOUTHWEST DESERTS — George Olin—*Southwestern Monuments Association*, 112 p., illus., paper, \$1.00. Presenting descriptions and habits of the outstanding mammals inhabiting the deserts of the Southwest.

BECAS PARA LATINOAMERICANOS EN LOS ESTADOS UNIDOS—Sección de Intercambio Educativo, Division de Educacion—*Union Panamericana*, 95 p., paper, 50 cents. A list of colleges and universities in the United States that offer scholarships to Latin American students.

CLIMATOLOGICAL ATLAS OF CANADA—Prepared by Morley K. Thomas—*Division of Building Research, National Research Council and the Meteorological Division, Dept. of Transport, Canada*, 253 p., illus., paper, \$2.00. Maps and charts of Canada, each of which provides information about one important aspect of the various weather elements.

THE DEAF AND THEIR PROBLEMS: A Study in Special Education—Kenneth W. Hodgson with Preface by Sir Richard Paget—*Philosophical Library*, 364 p., \$6.00. Presenting historical material as well as practical aids for those who are concerned with the problems of the deaf.

EDUCATORS GUIDE TO FREE FILMS—Compiled and edited by Mary Foley Horkheimer and John W. Diffor—*Educators Progress Service*, 14th ed., 566 p., paper, \$6.00. Listing 2,982 titles of films, indexed by subject and source as well as title.

EDUCATORS GUIDE TO FREE SLIDEFILMS — Compiled and edited by Mary F. Horkheimer and John W. Diffor—*Educators Progress Service*, 6th ed., 209 p., paper, \$5.00. This book lists a total of 708 titles available from 88 sources for classroom use. Included in this edition is a section on how to use slidefilm.

ELECTRONICS FOR EVERYONE: The Story of Electricity in Action—Monroe Upton—*Devin-Adair*, 370 p., \$6.00. In simple, everyday language the development of electricity is explained from its earliest beginnings to the latest electronic devices.

INDIAN CORN IN OLD AMERICA—Paul Weatherwax—*Macmillan*, 253 p., illus., \$7.50. Although this is a botanical work on corn, anthropologists now recognize that the story of the development of corn is one with the story of the development of America's original inhabitants and their progress, from the hunting and gathering of wild foods to the growing and improving of crops with resultant leisure for other pursuits.

AN INTRODUCTION TO THE STUDY OF ROCK BUILDING ALGAE AND ALGAL LIMESTONES—J. Harlan Johnson—*Colorado School of Mines, Quarterly*, Vol. 49, No. 2, 117 p., illus., paper, \$2.50. Intended to meet the needs of students and professionals in the field in recognizing the various types of fossil algae and algal limestones and in interpreting their significance.

ION TRANSPORT ACROSS MEMBRANES: Incorporating Papers Presented at a Symposium Held at the College of Physicians & Surgeons, Columbia University, October, 1953—Hans T. Clarke and David Nachmansohn, Eds.—*Academic Press*, 298 p., illus., \$7.50. Dealing with ion transport across membranes and the interaction between ions and proteins.

IRRIGATED SOILS: Their Fertility and Management—D. W. Thorne and H. B. Peterson—*Blakiston*, 2nd ed., 392 p., illus., \$6.50. Food produced under irrigation now supplies more than half the world's population. In this book the authors have sought to emphasize fundamental principles that underlie soil management practices.

LET'S DRIVE RIGHT: A Textbook for Courses in Driver Education—Maxwell Halsey, Study aids and reading lists by Leslie R. Silvernale—*Scott, Foresman*, 496 p., illus., \$3.48. Written especially for high school driver education courses by the executive secretary of the Michigan State Safety Commission.

MASTER'S THESES IN SCIENCE, 1952—Barton Bledsoe, Ed.—*Biblio Press*, 252 p., \$7.00. The first of a proposed annual list of master's theses in the fields of pure and applied science accepted by American colleges and universities. Included are 5,588 entries from 138 institutions.

A NEW GENUS AND SPECIES OF PLANKTON DIATOM FROM THE FLORIDA STRAITS—Paul S. Conger—*Smithsonian, Smithsonian Miscellaneous Collections*, Vol. 122, No. 14, 8 p., illus., paper, 30 cents. This form, according to the author, represents both a distinctive new species and a new genus, which may be monotypic.

A PSYCHOLOGICAL APPROACH TO ACCIDENTS—Norman Roberts Lykes—*Vantage*, 138 p., illus., \$2.95. The author points out that leading authorities on accident prevention have concluded that between 80% and 90% of all accidents are motivated by psychological factors. Industrial and home accidents, as well as automobile accidents, are analyzed.

PSYCHOLOGY AS A PROFESSION—Robert I. Watson—*Doubleday*, Doubleday Papers in Psychology, 65 p., paper, 95 cents. Describing the development of the professional psychologist in the community and presenting his potentialities as a "community resource."

SELECTED CHILD WELFARE EXPENDITURES BY STATE AND LOCAL PUBLIC WELFARE AGENCIES—Mignon Sauber and Jack Wiener—*Children's Bureau, U. S. Dept. of Health, Education and Welfare*, 17 p., paper, free upon request direct to publisher, Washington 25, D. C.

STRATEGIC AREAS IN COST REDUCTION—Stuart F. Heinritz and others—*American Management Association*, Manufacturing Series, No. 215, 28 p., paper, \$1.25.

THE TRUE BOOK OF AFRICAN ANIMALS—John Wallace Purcell—*Childrens Press*, 47 p., illus., \$2.00. Presenting to the young reader the animals that he can see only in a zoo, as they come to an African river for water.

THE TRUE BOOK OF INSECTS—Illa Podendorf—*Childrens Press*, 47 p., illus., \$2.00. A book for children on the primary reading level telling the fascinating story of insects.

THE TRUE BOOK OF SCIENCE EXPERIMENTS—Illa Podendorf—*Childrens Press*, 47 p., illus., \$2.00. Simple experiments for the primary-age school child to read about and perform himself.

THE TRUE BOOK OF TREES—Illa Podendorf—*Childrens Press*, 47 p., illus., \$2.00. To introduce the young child to the beauty and usefulness of trees.

VETERINARY NECROPSY PROCEDURES—Thomas Carlyle Jones and Chester A. Gleiser, Eds.—*Lippincott*, 136 p., illus., \$7.50. A modern guide to the performance of postmortem examinations of animals. Sponsored by the Armed Forces Institute of Pathology and the American Veterinary Medical Association.

WRITING FOR TELEVISION—Eric Heath—*Horizon Publications*, 3rd ed., 438 p., \$5.50. A handbook on the basic requirements and techniques of writing television scripts.

Science News Letter, July 31, 1954

VITAL STATISTICS

Peptic Ulcer Deaths Continue at Same Level

► DEATHS FROM peptic ulcers have not declined to the extent that might be expected from medical knowledge and management of this chronic illness, statisticians of the Metropolitan Life Insurance Company in New York have concluded.

There has been a comparatively stable mortality rate during the past eight years. In 1945, the death rate reached its lowest level in more than 20 years.

In 1953, ulcers of the stomach and duodenum accounted for about 9,000 deaths in the United States, or a rate of 5.6 per 100,000 population.

The death rate from stomach ulcers has shown a marked reduction in all age groups among both men and women. However, deaths from duodenal ulcer have increased markedly at older ages, where mortality is highest.

So far as peptic ulcers are concerned, the report declares that "apparently even good medical management or surgery cannot overcome the obstacles caused by the patients' living habits or the stress they undergo that may stimulate recurrent attacks."

Science News Letter, July 31, 1954

ANIMAL HUSBANDRY

Stock Need Protection From Storm's Lightning

► SUMMER THUNDERSTORMS bring an increase in deaths of farm animals from lightning, but shelter buildings equipped with lightning rods can reduce these sudden deaths, which number in the hundreds annually.

Grounding of wire fences, using steel stakes driven into the ground and connected to the fence wires, has been recommended as a remedy by officials of the American Veterinary Medical Association in Chicago.

A tuft of grass still held in the mouth or a narrow singed stripe down one leg is a good indication that lightning has caused an animal's death. Often, however, no identifiable marks are left on the carcass.

It is dangerous, the AVMA warned farmers, to attribute all sudden livestock deaths to lightning. Anthrax and blackleg diseases also cause quick deaths and, if undetected, may spread through an entire herd.

Science News Letter, July 31, 1954