

THE LOW SODIUM COOK BOOK—Alma S. Payne and Dorothy Callahan—*Little, Brown*, 477 p., \$4.00. How to prepare tasteful meals for the low sodium diet, including suggestions for the low sodium, low fat, low cholesterol diet.

THE L-SHAPED STRONGHOLD FENCE STAPLE—E. George Stein—*Wood Research Laboratory, Virginia Polytechnic Institute*, 20 p., illus., paper, free upon request to publisher, Blacksburg, Va. Covers the effectiveness of the L-shaped staple with threaded shank, in comparison with that of the U-shaped staple.

MANUAL OF COMPARATIVE ANATOMY—Osmond P. Breland—*McGraw-Hill*, 2nd ed., \$4.50. Includes the Amphioxus, the lamprey, the dogfish, the perch, the Necturus, the turtle, the cat and the pigeon.

METERING LIQUID SULFUR—E. S. Boe, C. E. Butterworth and J. R. West—*Mellon Institute of Industrial Research*, 5 p., illus., paper, free upon request direct to publisher, 4400 Fifth Avenue, Pittsburgh 13, Pa.

MICROBIOLOGY AND HUMAN PROGRESS—Madeleine P. Grant—*Rinehart*, 718 p., illus., \$6.75. A college text for introductory courses in bacteriology and microbiology.

MODERN MEDICINE ANNUAL, 1953—Walter C. Alvarez, Ed.-in-Chief—*Modern Medicine*, 1414 p., illus., \$6.00. The articles that appeared in the 24 issues of "Modern Medicine" during 1952.

NORTH AMERICAN AND EUROPEAN STROPHODONTIDS: Their Morphology and Systematics—Alwyn Williams—*Geological Society of America, Memoir* 56, 67 p., illus., \$1.50.

PETS: Wild and Western—Elmo N. Stevenson—*Scribners*, 163 p., illus., \$2.50. Interesting stories of wild animals found in the western states. Ages 8-12.

THE PRINCIPLES OF PHYSICAL METALLURGY—Gilbert E. Doan—*McGraw-Hill*, 3rd ed., 331 p., illus., \$5.50. An account of the behavior of metals under the various processes which are performed upon them in the metal fabricating and manufacturing industries.

PROBLEMS IN SELECTING AND PREPARING STUDENTS IN PROFESSIONAL EDUCATION WITH SPECIAL ATTENTION TO STUDENT EXPENSES—Bureau of Educational Research and Service—*Medical College of Virginia*, 87 p., paper, \$1.75. Suggests possible means and methods of solutions.

SCIENCE FUN WITH MILK CARTONS—Herman and Nina Schneider—*Whittlesey House*, 159 p.,

illus., \$2.50. By using milk cartons to build bridges, motor cranes, elevators, etc.; children can learn the scientific principles involved in simple engineering. Ages 9 and up.

SILICON: The Cinderella of the Elements—R. R. McGregor—*Mellon Institute of Industrial Research*, 3 p., illus., paper, free upon request direct to publisher, 4400 Fifth Avenue, Pittsburgh 13, Pa.

SOCIAL EVOLUTION — V. Gordon Childe — *Schuman*, 184 p., paper, \$1.00. Traces the evolution of society and culture from barbarism to civilization.

SOCIOLOGY AND PSYCHOLOGY OF COMMUNISM—Jules Monnerot, translated by Jane Degras and Richard Rees — *Beacon Press*, 339 p., \$6.00. Covers the development, theory and practice of Communism.

SPADEWORK IN ARCHAEOLOGY—Sir Leonard Woolley—*Philosophical Library*, 124 p., illus., \$4.75. A collection of reminiscences by a great archaeologist, covering briefly the areas in which he excavated.

THE SUEZ CANAL IN WORLD AFFAIRS—Hugh J. Schonfeld — *Philosophical Library*, 174 p., illus., \$4.50. The history of the Suez Canal from the days of the Pharaohs to the present clashes between Britain and Egypt.

TELLING TREES — Julius King — *William Sloane*, 127 p., illus., \$2.00. Describes and illustrates more than 100 common trees of America.

YOUR DIABETES AND HOW TO LIVE WITH IT—Floyd L. Rogers and Ruth M. Leverton—*University of Nebraska Press*, 113 p., paper, \$2.25. A doctor and a nutrition expert teamed up to write this guide to a normal life for diabetic patients.

YOUTH: The Nation's Richest Resource, Their Education and Employment Needs—Interdepartmental Committee on Children and Youth—*Government Printing Office*, 54 p., paper, 20 cents. Shows how teen-agers are being helped to get the kind of education and employment opportunities that prepare them for their adult responsibilities.

Science News Letter, May 9, 1953

MEDICINE

1,000 Mice Live in Smog for Cancer Study

➤ A THOUSAND mice are helping out in cancer research by living in enclosed cages which reproduce the most intense smog of our industrial cities. A control group lives in pure mountain air, achieved with glass fiber filters.

Dr. Paul Kotin of the University of Southern California School of Medicine and his associates are trying to find out whether there is anything in smoggy air which produces cancer. At the same time the effects of smog on nutrition and the ability to reproduce will be investigated.

The scientists have to wait until the mice live out their life cycle, about 30 months, to see what results they have.

Science News Letter, May 9, 1953

TECHNOLOGY

Transplanted Natural Gas Solves Load Problem

➤ TRANSPLANTING NATURAL gas from southwestern fields and storing it underground near heavy users is the present answer to the supply problem created by sudden cold snaps.

C. T. Konecny and B. J. Clarke of the Columbia Gas System Service Corp., Columbus, Ohio, told the American Society of Mechanical Engineers meeting in that city that unexpected cold weather causes a heavy demand for gas. Since gas travels through pipelines at low speeds, about 10 to 25 miles an hour, it is difficult to supply these extra heavy demands directly from the pipeline.

Storing gas underground is the present solution. Gas from the Southwest is pumped into storage tanks or suitable abandoned wells and mines. When gas demand is extra heavy, these underground reservoirs can be tapped.

On the peak day for natural gas demand during the winter of 1951-52, over 45% of the Appalachian Gas System's total load was supplied from underground reservoirs near the users.

Science News Letter, May 9, 1953



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