

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.

AIRBORNE CONTAGION AND AIR HYGIENE: An Ecological Study of Droplet Infections—William Firth Wells—*Commonwealth Fund (Harvard University Press)*, 423 p., illus., \$6.00. Defining the behavior of airborne parasites and describing the habits that make people accessible to airborne parasites.

AMERICA'S NEEDS AND RESOURCES: A New Survey — J. Frederic Dewhurst and others — *Twentieth Century Fund*, 1148 p., illus., \$10.00. Giving the present position of American economic resources, production and consumption, and establishing a basis of comparison with earlier figures, thus making it possible to see the extent of progress made.

BIOLOGICAL SPECIFICITY AND GROWTH—Elmer G. Butler, Ed.—*Princeton University Press*, 233 p., illus., \$5.00. Report of a symposium held jointly by the Society for the Study of Development and Growth and the Committee on Developmental Biology of the National Research Council at the University of New Hampshire, June 1953.

THE BIRD BOOK—Leon Augustus Hausman—*Arco*, 159 p., illus., \$2.50. With the pictures and the descriptions one should be able to recognize the common birds of North America.

THE CARE OF YOUR SKIN—Herbert Lawrence—*Little, Brown*, 95 p., illus., \$2.50. Explains

in simple language the structure and care of the skin and tells what can be done to meet the problem of acne.

CONTROL OF COMMUNICABLE DISEASES IN MAN: An Official Report of the American Public Health Association—*American Public Health Association*, 8th ed., 219 p., paper, 60 cents. Designed as an aid in formulating standard regulations for administrative control of communicable diseases. This new edition has been enlarged to give more comprehensive coverage of world infections.

DYNAMIC TESTS OF SUSPENSION BRIDGE SECTION MODELS—F. J. Maher, L. A. Becker and D. B. Steinman—*Virginia Polytechnic Institute, Engineering Experiment Station Series No. 98*, 27 p., illus., paper, 35 cents. Results of static and dynamic wind tunnel tests.

FISHING BOATS OF THE WORLD — Jan-Olof Traung, Ed., *Arthur J. Heighway Publications*, 579 p., illus., \$12.50 plus postage. Upon the efficiency of design and operation of fishing boats depends the economy of millions of people. This book is based on two gatherings of the Fishing Boat Congress organized by the Food and Agriculture Organization of the United Nations.

HEATING VENTILATING AIR CONDITIONING GUIDE 1955—R. E. Cherne, Chairman—*American Society of Heating and Air-Conditioning Engineers, Inc.*, Vol. 33, 1680 p., illus., \$12.00 plus postage.

A LABORATORY MANUAL OF QUALITATIVE ORGANIC ANALYSIS—H. T. Openshaw—*Cambridge University Press*, 3rd ed., 92 p., \$2.00. The text has been extensively revised and partly rewritten for this edition.

MEETING THE CHALLENGE OF CANCER—Prepared by the Cancer Reports Section of the National Cancer Institute—*Govt. Printing Office*, 23 p., paper, 15 cents. Presenting some of the recent accomplishments in cancer research.

MOTION AND TIME STUDY: Principles and Practice—Marvin E. Mundel—*Prentice-Hall*, 2nd ed., 575 p., illus., \$9.35. New material covering recently developed approaches to problems has been included.

OPTICAL PROPERTIES OF THIN SOLID FILMS—O. S. Heavens—*Academic*, 261 p., illus., \$6.80. Surveying the work done on thin films, a field which Sir Isaac Newton first wrote about in the 17th century.

PHYSICAL CHEMISTRY—Farrington Daniels and Robert A. Alberty—*Wiley*, 671 p., illus., \$6.50. A textbook for a first course in physical chemistry with emphasis on practical examples.

PRINCIPLES OF ELECTRIC UTILITY ENGINEERING—Charles A. Powell—*Technology Press of MIT and Wiley*, 251 p., illus., \$6.00. A concise review of the problems which, in the author's experience, appeared to be basic to the design and operation of a utility.

PSYCHOLOGY IN LIVING—Wendell White—*Macmillan*, 3rd ed., 317 p., \$4.50. The problems of successful living, the author says, are basically the problems of human relationships, and better living can be fostered through psychology.

SAY IT IN JAPANESE—Miwa Kai—*Dover*, 124 p., paper, 33 1/3 RPM record, \$1.49. This record and booklet combination gives the pronun-

ciations for common phrases and expressions that would be useful to the traveler in a foreign land.

SAY IT IN SWEDISH — By Birgit and Ake Leander—122 p., paper, 33 1/3 RPM record, \$1.49. A pronunciation guide for tourists and students.

SEX AND THE NATURE OF THINGS—N. J. Berill — *Pocket Books*, 222 p., illus., paper, 35 cents. Written, the author says, "to make a survey of sex throughout the living kingdom." Originally published by Dodd, Mead in 1953.

SHELL THEORY OF THE NUCLEUS — Eugene Feenberg—*Princeton University Press*, 211 p., illus., paper, \$4.00. A guide to the theory of nuclear shell structure based on the development of the spin-orbit level scheme for those who are familiar with the elements of nuclear physics and quantum theory.

THE URANIUM PROSPECTOR'S GUIDE—Thomas J. Ballard and Quentin E. Conklin—*Harper*, 251 p., illus., \$3.50. Designed to give in non-technical language the basic information necessary to the prospector, miner or layman who is interested in uranium raw materials. The authors were formerly with the Exploration Division of the Atomic Energy Commission.

VEGETABLE PRODUCTION AND MARKETING — Paul Work and John Carew—*Wiley*, 2nd ed., 537 p., illus., \$4.72. Designed as an introduction to the subject with descriptions of practical operations.

Science News Letter, May 14, 1955

PSYCHOLOGY

Woman's Dual Role Causes Domestic Strife

► MODERN WOMAN'S attempt to be a "man by day, a woman by night" is the cause of unhappy or broken homes, Dr. Richard Centers, assistant professor of psychology at the University of California at Los Angeles, suggests.

"The mass invasion by women of what has long been considered the man's world of business is apparently leading to abandonment of the tradition of woman's place as being properly in the home. As a result there is much confusion as to what woman's role really should be," he points out.

"Many women are actually forced to play a dual role. They still need to prove themselves as women. They want marriage and a family. But they also expect to compete with men as equals in the business world. The attempt to be a wife and mother by night and a successful executive by day becomes a little too much for them.

"In some cases this leads to a rejection of the feminine role," he says. "From a long range point of view this could contribute to a decline in the national birth rate."

"Husbands too are confused, and this leads to tension and broken homes," he adds. "Thus children are the biggest losers." What is the solution to the problem?

Dr. Centers believes both sexes will adjust to this new, wider scope of feminine activity in time.

"One thing is certain," he says, "if mankind is to survive, woman cannot completely escape the feminine role imposed by her biological destiny."

Science News Letter, May 14, 1955

**OVER 1,000
FIRMS are USING
ATOMIC ENERGY
AND RADIOACTIVE MATERIALS
RIGHT NOW.**

How long before your firm will be affected? It's a fast-moving, tricky, technically difficult field. To keep up and to *avoid missing* great opportunities you need a service that summarizes all developments from a businessman's point of view.

COMMERCIAL ATOMICS NEWSLETTER does that in concise, clear, simple form. Write for free sample issue to:

COMMERCIAL ATOMICS, INC.
Box 265, Port Washington, N. Y.