

Books of the Week

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ATLAS OF BACTERIOLOGY—R. Cranston Low and T. C. Dodds—*Williams and Wilkins*, 168 illus., \$8.50. This book of beautifully colored illustrations is intended primarily for the medical undergraduate.

ENGLISH NATURALISTS FROM NECKAM TO RAY; A Study of the Making of the Modern World—Charles E. Raven—*Cambridge Univ.* 379 p., \$6.50. A history of man's attitude toward the flora and fauna of his environment, illustrated by the lives of the men who contributed to the progressive change in Western civilization from the medieval to the modern world.

A HANDBOOK OF DESIGNS AND HOW TO USE THEM—Gordon de Lemos—*Educational Materials*, 118 p., illus., paper, \$2.50. For artists, craftsmen and students—designs covering subjects ranging from birds and flowers to abstract motifs.

HORMONES AND BEHAVIOR; a Survey of Interrelationships Between Endocrine Secretions and Patterns of Overt Response—Frank A. Beach—*Hoeber*, 368 p., \$6.50. A detailed study of the whole subject of hormonal activity in men and other animals. Includes an exhaustive bibliography.

HYPNOTHERAPY: a Survey of the Literature—Margaret Brenman and Merton M. Gill—*Int. Univ. Press*, Menninger Foundation Monograph Series No. 5, 276 p., \$4.50. An edition for the public of a monograph published in 1944 by Josiah Macy, Jr., Foundation, plus four case studies and a report on the use of hypnosis in experimental psychology investigation.

INTRODUCTION TO PHILOSOPHY OF EDUCATION—Stella Van Petten Henderson—*Univ. of Chicago Press*, 401 p., \$4.00. Textbook for the undergraduate preparing to teach, summarizing philosophy as a sound basis for educational practice.

MAN'S LAST CHOICE: a Survey of Political Creeds and Scientific Realities—E. M. Friedwald—*Viking*, 128 p., \$2.00. Unprecedented growth of science, the most potent single factor in the history of mankind, constitutes, the author believes, a challenge to political thought.

NUCLEAR PHYSICS IN PHOTOGRAPHS; Tracks of Charged Particles in Photographic Emulsions—C. F. Powell and G. P. S. Occhialini—*Oxford*, 124 p., illus., \$6.00. A photographic atlas with explanatory text including natural radioactivity, nuclear transmutations, as well as mesons.

THE PATENT SYSTEM—Law and Contemporary Problems, Vol. XII, No. 4—*Duke Univ.*, 162 p., paper, \$1.00. Symposium of eight papers covering various phases of this important subject.

PRACTICAL CHILD GUIDANCE AND MENTAL HYGIENE—Samuel Kahn, Grace Kirsten, May E. March—*Meador*, 285 p., \$4.00. This book attempts to answer some common questions on child care.

THE PRACTICE OF GROUP THERAPY—S. R. Slavson, ed.—*Int. Univs.*, 271 p., \$5.00. A comprehensive survey of the scope and

limitations of this new method of clinical treatment of various maladjustments such as allergies, neuroses, and speech disorders, are well as psychoses.

PRELIMINARY SURVEY OF THE AMPHIBIANS OF THE RIUKIU ISLANDS—Robert F. Inger—*Chicago Nat. History Museum*, Fieldiana: Zoology, Vol. 32, No. 5, 55 p., paper, 75 cents.

PROBLEMS OF ACCELERATING AIRCRAFT PRODUCTION DURING WORLD WAR II—Tom Lilley, Pearson Hunt, J. K. Butters, Frank F. Gilmore, Paul F. Lawler—*Harvard Univ., Grad. School of Bus. Adm.*, 112 p., paper, \$1.50. A plan for industrial preparedness in the aircraft industry, undertaken at request of War, Navy and Commerce Departments.

PROCEEDINGS OF THE INDIANA ACADEMY OF SCIENCE, 1946, Vol. 56—P. D. Edwards, ed.—*The Academy*, 284 p., illus., \$3.00. Papers on subjects ranging from anthropology to zoology.

SCIENTISTS STARRED 1903-1943 IN "AMERICAN MEN OF SCIENCE"; a Study of Collegiate and Doctoral Training, Birthplace, Distribution, Backgrounds, and Developmental Influences—Stephen Sargent Visser—*Johns Hopkins Press*, 556 p., \$4.50.

A SELECTED BIBLIOGRAPHY ON HIGHWAY SAFETY—*Highway Research Board*, Bibliography No. 2, 46 p., paper, 45 cents. While highway safety is the main point of emphasis here, design, construction and traffic facilitation are also included.

SEXUAL BEHAVIOR IN THE HUMAN MALE—Alfred C. Kinsey, Wardell B. Pomeroy, Clyde E. Martin—*Saunders* 804 p., \$6.50. Based on interviews with more than 12,000 individuals in a study supported by National Research Council's Committee for Research on Problems of Sex, (See SNL, Nov. 29, p. 342.)

TALES FROM SPECKS OF DUST: Poems on the Atomic Age—Max Kaufman—*William-Frederick*, 52 p., \$2.00. Various topics portraying an intimate knowledge of the universe presented in verse.

UNDERSTANDING VECTORS AND PHASE—John F. Rider and Seymour D. Uslan—*John F. Rider Pub. Inc.*, 153 p., illus., paper, 99 cents. Handy pocket-size book for those lacking technical training, clarifying many aspects in radio and electronics.

Science News Letter, January 17, 1948

GENERAL SCIENCE

Radio Storm Predictions Were 75% Correct in 1947

➤ ADVANCE warnings of bad radio reception or radio blackouts, issued by Science Service throughout the past year in exclusive forecasts, were correct three out of four times. Likewise good reception of shortwave radio broadcasts materialized as predicted 75% of the time.

These predictions, foretelling radio reception several days and often even a week in the future, compare favorably with the Bureau's daily warnings. On these, issued several hours in advance, their predictions were correct 92% of the time.

These up-to-the-minute forecasts can be secured twice an hour by tuning in on the Bureau's own station, WWV, at 2.5, 5, 10, 15 and 20 megacycles, audible almost anywhere in the world. If short-wave broadcasts are to come through clearly, "W"s (dot, dash, dash in Morse code) follow the time announcement.

Science News Letter, January 17, 1948

EMBRYOLOGY

Grow Chick Embryos Under Glass Dishes for Study

➤ CHICK embryos can be grown for study purposes with glass dishes substituted for their opaque eggshells, by a method which Dr. Nelson T. Spratt, Jr., of the Johns Hopkins University, has developed.

They do not develop to full hatching size, of course, but they can be carried along for several days, while students watch the beginnings of organ development. Effects of drugs and other chemicals can also be studied.

The embryos, at an early stage of incubation, are removed from the carefully shelled eggs and transferred to the covered glass dishes. They absorb a food mixture consisting of raw white of egg, agar (a seaweed gelatin), and a carefully adjusted solution of three mineral salts known as Ringer's solution.

Details of the technique are presented in *Science*, (Nov. 7, 1947).

Science News Letter, January 17, 1948

YOUR HAIR AND ITS CARE

By O.L. Levin, M.D. and H.T. Behrman, M.D.

Two medical specialists tell you what to do to save and beautify your hair, stimulate healthier hair growth, and deal with many problems, as: Dandruff—gray hair—thinning hair—care of the scalp—baldness—abnormal types of hair—excessive oiliness—brittle dryness—hair falling out—infection—parasites—hair hygiene, etc., etc. "A worthwhile book full of important information."

Ohio State Medical Journal.

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