

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.

THE ADVANCEMENT OF SCIENCE, Vol. X, No. 39—*British Association for the Advancement of Science*, 96 p., paper, 7s. 6d. Contains a biography of Sir Richard Gregory.

AN AMERICAN IN EUROPE: The Life of Benjamin Thompson, Count Rumford—Egon Larsen—*Philosophical Library*, 224 p., illus., \$4.75. The fascinating life of a scientist with varied talents, famous not only for the determination of the mechanical equivalent of heat, but for a method of brewing good coffee, the development of the Baldwin apple and the introduction of a kitchen range.

THE AIM AND STRUCTURE OF PHYSICAL THEORY — Pierre Duhem with foreword by Prince Louis de Broglie, translated from the French by Philip P. Wiener—*Princeton University Press*, 344 p., \$6.00. The author, who died in 1916, was a distinguished French teacher of physics and historian of science. This book was written in 1905.

BIOLOGY—Paul B. Weisz—*McGraw-Hill*, 679 p., illus., \$6.50. A college textbook intended for reading as a story for enjoyment.

BYROADS OF OLD NEW ENGLAND: Some Tales of Less-Known Persons and Places Along the Way — George Francis Marlowe — *Exposition Press*, 153 p., illus., \$3.50. Written for those who like to seek out the quaint, picturesque and historic by traveling the little known roads and slower routes. Illustrated by charming photographs by the author, an architect, and others.

CORRECTIVE READING: GROUPING — Emmett Albert Betts—*Reading Clinic, Temple University*, 12 p., paper, 40 cents. There are only a few extremely retarded readers in school—about one in 600 or more. These present, however, a wide variety of problems, from defective vision or hearing to feeble-mindedness.

CURIOUS CREATURES — Erna Pinner — *Philosophical Library*, 256 p., illus., \$4.75. Charming illustrations by the author add to the interest of this account of nature's oddities.

ERNEST THOMPSON SETON'S AMERICA: Selections from the Writings of the Artist-Naturalist — Farida A. Wiley, Ed., with contributions by Julia M. Seton — *Devin-Adair*, 413 p., illus., \$5.00. Excerpts from the charming writings of this naturalist with delightful drawings also from his pen.

HOUDINI ON MAGIC—Walter B. Gibson and Morris N. Young, Eds.—*Dover*, 280 p., illus.,

\$2.95. Here Houdini himself tells how he deceived audiences and also reveals the "secrets" of others, including the famous medium, "Margery."

HOW TO MAKE A SUCCESS OF YOUR MARRIAGE — Eustace Chesser—*New American Library*, 124 p., paper, 25 cents. This book by a physician is intended to smooth the rough spots of the pathway of newlyweds.

AN INTRODUCTION TO HUMAN BIOCHEMICAL GENETICS — H. Harris — *Cambridge University Press*, 96 p., illus., paper, \$2.75. Bringing the subject up to date by describing the recently accumulated knowledge in the field.

AN INTRODUCTION TO THE THEORY OF SEISMOLOGY—K. E. Bullen—*Cambridge University Press*, 2d ed., 296 p., illus., \$6.50. From Sydney, Australia, comes this concise text on seismology. Several sections have been mostly rewritten for this edition.

MAIN CURRENTS OF SCIENTIFIC THOUGHT: A History of the Sciences—S. F. Mason—*Schuman*, 520 p., \$5.00. Science, born of two traditions, philosophical and artisan, produced results that reacted back to influence its sources with both technical and philosophical implications. It is with these influences that this book by an English author is concerned.

MENTAL HEALTH IMPLICATIONS IN CIVILIAN EMERGENCIES: Report of Subcommittee on Civil Defense, Community Services Committee, National Advisory Mental Health Council, May 1953—Subcommittee on Civil Defense—*Gov't. Printing Office*, Public Health Service Publication No. 310, 25 p., paper, 15 cents. There is no biotic which can be given to prevent panic, but planning to minimize fear should be part of all the preparations for meeting disaster.

NEW FACTS ABOUT BURSTITIS—William Kitay — *Crowell*, 242 p., illus., \$3.50. Bursitis is on the increase, and the author blames modern office machines that hold the shoulder in an unnatural position and heavy modern house furnishings, as well as weekend exercise and odd jobs for precipitating many cases. This book gives the patient and his family new understanding of the painful ailment.

OUR WILDLIFE LEGACY—Durward L. Allen—*Funk & Wagnalls*, 422 p., illus., \$5.00. Telling what is happening to America's great wealth of natural resources and what must be done to prevent complete loss.

PARKING AS A FACTOR IN BUSINESS: Part 3, Relationship Between Downtown Automobile-Parking Conditions and Retail-Business Centralization—William J. Watkins—*Highway Research Board*, 21 p., illus., paper, 75 cents.

PARKING AS A FACTOR IN BUSINESS: Part 4, Central City Property Values in San Francisco and Oakland—Paul F. Wendt—*Highway Research Board*, 42 p., illus., paper, \$1.35.

PHYSIOLOGICAL ACOUSTICS—Ernest Glen Wever and Merle Lawrence — *Princeton University Press*, 454 p., illus., \$10.00. This work, by authorities in the field, discusses only the first part of the complicated process of hearing, from the reception of sound vibrations by the outer ear to the mechanical stimulation of the cells in the cochlea by the transmitted vibrations. Distortion is given detailed attention.

THE PHYSICS OF THE STRATOSPHERE — R. M. Goody—*Cambridge University Press*, 187 p.,

illus., \$5.00. Reviewing the present state of knowledge resulting from recent upper atmosphere research.

POOLING SKILLS FOR HUMAN PROGRESS: The Why, What and How of United Nations Technical Assistance — *United Nations (Columbia University Press)*, 34 p., illus., paper, 15 cents. About 50% of mankind, the report points out, can neither read nor write, and two out of every three people earn less than an average \$200.00 a year. These are only two of the evils that the Technical Assistance program is aimed at correcting.

THE PRE-ADOLESCENT EXCEPTIONAL CHILD—Leslie R. Angus, Chairman — *Child Research Clinic, The Woods Schools*, 66 p., paper, free upon request direct to publisher, Langhorne, Pa. Proceedings of the 35th Conference of the Child Research Clinic. "Exceptional," as used here refers to the mentally retarded or emotionally disturbed child.

SCIENCE AND MAN'S BEHAVIOR: The Contribution of Phylobiology—Trigant Burrow, edited by William E. Galt—*Philosophical Library*, 564 p., illus., \$6.00. "Phylobiology" is a school of thought initiated by the author, who believed that disorders in behavior in individuals were essentially social or a result of unhealthy inter-relationships between men and groups.

THE SEA AROUND US—Rachel L. Carson—*New American Library*, 169 p., illus., paper, 35 cents. Now, a pocket edition of this popular and poetically written book. Contains minor editorial revisions by the author.

SOCIAL WORK YEAR BOOK 1954: A Description of Organized Activities in Social Work and in Related Fields—Russell H. Kurtz, Ed.—*American Association of Social Workers*, 12th ed., 703 p., \$6.00. Consisting of two parts, one containing articles by authorities in the special fields discussed and the other directories of agencies in the field.

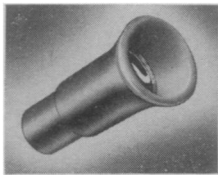
STAR SCIENCE FICTION STORIES No. 2—Fredrik Pohl—*Ballantine Books*, 195 p., paper, 35 cents, cloth \$2.00. A former literary agent made this selection of stories that have not appeared in print before.

THE STUDY OF BEHAVIOR: Q-Technique and Its Methodology—William Stephenson—*University of Chicago Press*, 376 p., \$7.50. Introducing the reader to a new statistical technique and its uses in the study of the reaction of the individual to various aspects of his environment.

THE STUDY OF CULTURE AT A DISTANCE — Margaret Mead and Rhoda Metraux, Eds. — *University of Chicago Press*, 480 p., paper, \$5.00. Necessity has been the mother of new techniques developed by social anthropologists for the study of distant people when circumstances made it impossible to visit them. These include

(See p. 78)

Optical Radioactivity Detector



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work with informants, study of literature, motion pictures, propaganda and other expressions of ways of thought and personality.

THERMIONIC VALVES: Their Theory and Design—A. H. W. Beck—*Cambridge University Press*, 570 p., illus., \$12.00. A book of British authorship for engineers and others in the electronic industry.

WORLD AGAINST WANT: An Account of the UN Technical Assistance Programme for Economic Development—*United Nations (Columbia University Press)*, 80 p., illus., paper, 50 cents. The less than 2,000 workers in this program represent 64 different nationalities and the world is their workshop. The program costs only about one-tenth the price of a single aircraft carrier.

ANNUAL REPORTS—Free upon request direct to institution unless otherwise stated.

NATIONAL SCIENCE FOUNDATION—*Govt. Print-*

ing Office, 110 p., paper, 40 cents. During the year, grants totaling \$1,698,150 were made for the support of basic research in the natural sciences.

SMITHSONIAN INSTITUTION—Washington 25, D. C.—Leonard Carmichael, Secretary—165 p., illus., paper. Reviewing the activities of the Institution and allied organizations during the fiscal year.

Science News Letter, January 30, 1954

Questions

AERONAUTICS—What are the relative merits of a turboprop and a jet engine? p. 71.

□ □ □

ASTRONOMY—What can cause a white arc on the moon even during a total eclipse? p. 73.

□ □ □

GENERAL SCIENCE — What is the grand scholarship award in the Science Talent Search? p. 71.

How much money has President Eisenhower requested Congress to appropriate for research and development by the government during fiscal year 1955? p. 72.

□ □ □

PSYCHIATRY—Of what aid could a psychiatrist be in court? p. 68.

□ □ □

PHOTOGRAPHS: Cover, Parke Davis & Company; p. 67, University of California; p. 69, General Electric Company; p. 71, Curtiss-Wright Corporation; p. 80, Selectric Products Co.

Science News Letter, January 30, 1954

plenty of company.
but do not be dismayed. You have
scientific aptitude is not very high—
your score was less than 12, you
have strong scientific aptitude. If
this test. If you got 19 or more, you
average high school senior who took
scientific ability about equals the av-
If you got 15 answers correct, your
1; 104-2; 105-2; 106-1.
101(1)-4; 101(2)-3; 101(3)-2; 101(4)-
Correct answers to Part C are:
52-4; 53-4; 80-1; 81-1.
Correct answers to Part B are: 51-2;
33-4; 34-3.
2-4; 4-2; 5-1; 6-2; 7-1; 30-2; 31-1; 32-4;
Correct answers to Part A are: 1-1;
one point for each right answer.
check your answers. Give yourself
science aptitude test, you are ready to
Now that you have taken the
SCIENCE QUIZ ANSWERS

PSYCHOLOGY

Men and Women Differ In Perception "Styles"

► EACH PERSON takes in his surroundings and forms his impressions of them and of himself according to his own "style."

Men and women, moreover, have important differences in "style" of perception.

These findings, result of a 10-year study, were announced by Dr. Herman Witkin of the State University College of Medicine, New York, at the fifth meeting of the College's Research Society.

"We can no longer," Dr. Witkin said, "conceive of perception in terms of the operation of sense organs [eyes, ears, and so on] and nerve mechanisms alone but must include, as determining factors, the individual's feelings, strivings and techniques of adjustment."

"Styles" of perception, he finds, are stable, lasting over an extended period of time, and are related significantly to each person's basic personality organization.

Science News Letter, January 30, 1954

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Or the rings of Saturn, the moons of Jupiter, or the craters and mountains of the Moon? To merely read about the Universe is to deprive yourself of the intellectual excitement of exploring the vast reaches of space. **UNITRON** Telescopes are chosen by leading universities and amateur astronomers for their outstanding quality and proven performance; by engineers and business executives as a source of relaxation and mental diversion. Unexcelled for real close-up views of distant terrestrial objects—mountains, animals, ships at sea, etc. **UNITRON** values cannot be duplicated. Write at once for free educational literature on how to select a telescope and illustrating all **UNITRON** models. Learn why astronomy is today's fastest-growing hobby!

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"Accurate, unvarnished story of practical skin care." — *Connecticut State Medical Journal.*

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