

Books of the Week

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AUDITORY TRAINING FOR THE DEAF—Mary Wood Whitehurst and Edna K. Monsees—*The Volta Bureau*, 99 p., paper, \$3.12. For persons with some residual hearing who suffer their impairment before they learned to speak.

BUILD-IT-YOURSELF RANCH-TYPE HOUSE—Tom Riley—*Popular Mechanics*, 132 p., illus., paper, \$3.50. The author built this \$4,950 home with the aid of his wife. The book is illustrated with photographs of the steps of construction.

CANCER ILLNESS AMONG RESIDENTS OF DENVER, COLORADO — Samuel C. Marcus — *National Cancer Institute*, 39 p., paper, free upon request to publisher, Bethesda 14, Md. This survey, compared to one made in 1939, shows an increase of incidence, especially in cancer of the lung, but part of the increase may be due to better diagnosis and reporting.

DIRECTORY OF COLLECTIONS AND LIST OF SPECIES MAINTAINED IN THE UNITED KINGDOM AND THE CROWN COLONIES—Permanent Committee, British Commonwealth Collections of Micro-Organisms—*Her Majesty's Stationery Office*, 59 p., paper, \$1.35. The collections include algae and protozoa, bacteria, fungi, viruses, bacteriophages and yeasts.

THE FALSE SPIDER MITES OF CALIFORNIA: (Acarina: *Phytoseptipidae*) — A. Earl Pritchard and Edward W. Baker—*University of California Press*, 49 p., illus., paper, \$1.00. Some of the species described are serious pests in California.

THE FORGOTTEN LANGUAGE: An Introduction to the Understanding of Dreams, Fairy Tales, and Myths — Erich Fromm—*Rinehart*, 263 p., \$3.50. Helping the student of psychiatry or psychology and interested laymen to understand the symbolic language which, the author says, is the only universal language the human race ever developed.

GENERAL BACTERIOLOGY LABORATORY MANUAL—L. S. McClung — *Saunders*, 2d ed., 134 p., paper, \$2.50. A workbook for classes in introductory bacteriology.

A HISTORY OF THE THEORIES OF AETHER AND ELECTRICITY: The Classical Theories—Sir Edmund Whittaker—*Philosophical Library*, 434 p., \$12.00. The recent re-birth of this theory makes the present volume very timely.

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JANE WALKER'S BOOK OF ART LECTURES FOR LIPREADING PRACTICE—Sanzoray Club, Ed. —*The Volta Bureau*, 61 p., illus. by packet of color prints, paper, \$3.12. The author, herself deaf, for 30 years before her death headed art classes for speech-readers at the Metropolitan Museum of Art.

JEFFERSON—Saul K. Padover—*New American Library*, 192 p., paper, 35 cents. Biography of a man who was scientist and educator as well as statesman. Especially abridged by the author from an edition originally published by Harcourt, Brace and Company.

LABORATORY EXERCISES IN GENERAL BIOLOGY—James Watt Mavor—*Macmillan*, 4th ed., 333 p., illus., paper, \$3.50. Designed to accompany the author's General Biology.

MANPOWER, CHEMISTRY, AND AGRICULTURE; Report of the Subcommittee on Labor and Labor-Management Relations—Francis Joseph Weiss —*U. S. Senate Committee on Labor and Public Welfare*, 54 p., illus., paper, free on request to publisher, Capitol, Washington 25, D. C. Use of chemicals on the farm is expected to lessen the need for farm labor and result in a new movement of people away from rural areas.

MULTIPLE VALUED HARMONIC FUNCTIONS WITH CIRCLE AS BRANCH CURVE — Siegfried F. Neustadter—*University of California Press*, 35 p., paper, 50 cents.

PALOMAR OBSERVATORY—Dinsmore Alter and Clarence H. Clemminshaw—*Griffith Observatory*, 75 p., illus., paper, 90 cents. A description, beautifully illustrated, of the "Big Eye," and other important instruments at Palomar. Includes a description of the principle of the Schmidt telescope.

A SEX GUIDE TO HAPPY MARRIAGE—Edward F. Griffith—*Emerson Books*, 352 p., illus., \$3.00. For those about to be married and for married people who want practical advice. The book has gone to 25 editions in England before this revised American edition was prepared.

THE SHRUBS OF PENNSYLVANIA—William Carey Grimm—*Stackpole*, 522 p., illus., \$5.00. A field guide for laymen interested in wild shrubs.

SPEECH TRAINING: A Handbook for Students—A. Musgrave Horner—*Philosophical Library*, 176 p., illus., \$3.75. For teachers and students, with material for practice.

WE ARE A FAMILY—Inez Hogan—*Dutton*, 93 p., illus., \$2.75. Giving children a pleasant account of family life among five different kinds of animals.

WORLD CARTOGRAPHY; Volume I, 1951—*United Nations (Columbia University Press)*, 107 p., illus., paper, \$1.25. Reporting activities, progress and plans throughout the world.

Science News Letter, March 1, 1952

Traffic in mid-town New York City moved twice as fast in horse-drawn days as it does now in automobile days, a traffic engineer recently stated.

MEDICINE

Signs Tell Whether Paralysis Cure Probable

► IN A patient who has had a "stroke" paralyzing one side of his body, here are signs which, if they appear early, point toward a good recovery:

1. Fingers will flex if they are tapped lightly even when the patient cannot yet flex them at will.

2. All arm bending muscles will contract actively when passive traction is applied to these flexing muscles.

The first is an example of a "proprioceptive response." The second is an example of a "proximal traction response."

Studies showing that early return of these two is a good sign of ultimate complete recovery have been made by Dr. Thomas E. Twitchell of Boston City Hospital and Harvard University.

In patients who recovered completely, the first sign appeared within nine and the second within 15 days following the stroke of paralysis.

Remedial exercises aimed at retraining movement should, Dr. Twitchell's studies show, be timed and conducted so as to call forth the optimum proprioceptive and touch reactions. Fellow neurologists will read details of the studies in the scientific journal, *BRAIN* (Part IV, 1951).

Science News Letter, March 1, 1952

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