

# Books of the Week

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THE AMERICAN COLLEGE DICTIONARY—Clarence L. Barnhart, ed.—*Random House*, 1432 p., \$5.00. This up-to-date compendium includes correct definitions for many new scientific terms.

AMERICAN MEDICAL RESEARCH: Past and Present—Richard H. Shryock—*Commonwealth Fund*, 350 p., \$2.50. Historical survey of the development and achievements of medical research in the United States; references to popularization of medicine, particularly by Science Service, need elaboration and correction.

AMERICA'S DESTINY—Herman Finer—*Macmillan*, 408 p., \$5.00. The author contends that it is America's destiny to assume the position of world leadership formerly occupied by England, and to enforce peace and democratic rights in the world.

BROKEN HOMES—George Thorman—*Public Affairs Comm.*, Pamphlet No. 135, 30 p., illus., 20 cents. An analysis of the causes and effects of the break-up of family life—by death, divorce, desertion, or involuntary separations.

CHILDREN IN THE COMMUNITY—Sybil A. Stone, Elsa Castendyck, and Harold B. Hanson—U. S. Children's Bureau Publication No. 317—*Govt. Printing*, 182 p., 35 cents.

DOUGLAS OF THE FIR—Athenstan George Harvey—*Harvard Univ.*, 290 p., illus., \$4.00. An interestingly written account of the life and travels of this famous explorer and horticulturist.

EASTERN ALGONKIAN BLOCK-STAMP DECORATION: A New World Original or an Acculturated Art—Frank G. Speck—*Archaeological Soc. of N. J.*, Research Series No. 1, 62 p., illus., \$2.00.

FEDERAL DUCK STAMPS AND THEIR PLACE IN WATERFOWL CONSERVATION—Edna N. Sater—*Govt. Printing*, No. 3, Fish and Wildlife Service, Department of the Interior, 14 p., 15 cents.

FOOD, NUTRITION AND HEALTH—E. V. McCollum and J. Ernestine Becker—*Published by the authors at Johns Hopkins Univ.*—146 p., \$2.00. For the layman, a concise guide to the science of nutrition.

HANDBOOK OF GEM IDENTIFICATION—Richard T. Liddicoat, Jr.—*Gemological Inst. of Am.*, 283 p., illus., \$4.50. Jewelers, gemologists and students will find useful this manual, which includes a comprehensive index as well as a glossary of the usual gemological terms.

HELPING CHILDREN IN TROUBLE—U. S. Children's Bureau, Federal Security Agency, Publication 320—1947—*Govt. Printing*, 17 p., illus., 10 cents.

HERITAGE OF FREEDOM—Frank Monaghan—*Princeton Univ.*, 150 p., illus., \$3.50. Published in cooperation with the American Heritage Foundation, this account of the historical significance of each of the documents exhibited on the Freedom Train includes facsimile reproductions of about 30 principal testaments to our freedom.

THE INDUSTRIAL STUDY OF ECONOMIC PROGRESS—Hiram S. Davis—*Univ. of Pa.*, Research Studies XXXIII, 187 p., \$2.75. The Director of the Industrial Research Department, Wharton School of Finance and Commerce, presents basic concepts and methods of applying the industrial approach to the study of economic progress.

THE LOGIC OF THE SCIENCES AND THE HUMANITIES—F. S. C. Northrop—*Macmillan*, 402 p., \$4.50. Explorations into the applications of deductive, inductive, and institutional logic in the varied scientific methods of the natural and social sciences and the humanities.

MEASUREMENT OF CONSUMER INTEREST—C. West Churchman, Russell L. Ackoff, and Murray Wax—*Univ. of Pa.*—214 p., \$3.50. This book is the result of a conference on experimental method in consumer analysis, sponsored by the University of Pennsylvania in May, 1946.

MICROSCOPIC ANATOMY OF VERTEBRATES—James I. Kendall—*Lea and Febiger*, 3rd ed., 354 p., illus., \$6.00. A text intended to supply a working knowledge, supplementary to courses in comparative anatomy and embryology as a foundation for physiology and graduate work.

THE PENNSYLVANIA RAILROAD: A Pictorial History—Edwin P. Alexander—*Norton*, 248 p., illus., \$6.00. A copiously illustrated account of one of the greatest transportation systems in the United States.

ROCKET SHIP GALILEO—Robert A. Heinlein—*Scribner*, 212 p., illus., \$2.00. The author's conception of the first piloted rocket ship flight to the moon, for boys.

THE SCIENTIFIC PAPER: How to Prepare It, How to Write It—Sam F. Trelease—*Williams and Wilkins*, 152 p., \$2.00. Designed to aid scientists and students in the preparation of technical papers and theses, this revised edition of "The Preparation of Scientific and Technical Papers" is compact yet comprehensive.

SOVIET EDUCATION—Maurice J. Shore—*Philosophical Lib.*, 346 p., \$4.75. History and analysis of the principles of Marxian planned education, geared to the life process within which they operate.

TECHNIQUE OF HOUSE NAILING—Housing and Home Finance Agency—*Govt. Printing*, 53 p., illus., 20 cents.

TREE-RING HYDROLOGY IN SOUTHERN CALIFORNIA—Edmund Schulman—*Univ. of Ariz.*, Laboratory of Tree-Ring Research Bulletin No. 4, Vol. XVIII, No. 3, 36 p., 35 cents.

TRENDS IN OUTPUT AND EMPLOYMENT—George J. Stigler—*Nat'l. Bur. of Econ. Res.*, 25th anniversary series, 67 p., \$1.00.

THE WORLD WITHIN—Mary Louise Aswell, ed., with introduction and notes by Frederic Wertham—*Whittlesey House*, 376 p., \$3.75. Fifteen chapters from famous fiction, illustrative of the neuroses of modern life, with notes on the literary merit and scientific accuracy of each selection.

YOUR PLANS FOR THE FUTURE—Mary Ford Detjen and Ervin W. Detjen—*Whittlesey House*, 294 p., illus., \$2.50. For young people, a timely and interesting discussion of the diverse problems of correlating education to career choices.

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GEODESY

## Chaff that Baffled Radar Now Helps Army Mapping

► CHAFF, the aluminum foil used by U. S. military forces to baffle enemy radar warning systems, is being utilized now in a new and novel manner by U. S. Army engineers working from the headquarters of the Caribbean Command at Quarry Heights, C. Z.

In a plan developed by Col. Fremont Tandy and Capt. William Hatcher, the aluminum foil, which resembles Christmas-tree tinsel, is dropped from airplanes to mark designated high spots in the jungles of Panama. This facilitates the mapping of that entire country, now being carried on by the U. S. Army Engineers working in ground survey parties proceeding through the jungle on foot.

Formerly, to obtain geodetic information, the survey parties with their heavy equipment had to climb all the peaks in each locality to determine the highest summit. Now, an airplane flies overhead, determining the highest point among several with its nontarnishable chaff on the loftiest peak, from where it is visible for several miles. Days of wearisome climbing are saved.

It is predicted that this inexpensive marking device may become a standard mapping procedure in jungle areas throughout the world when its efficiency has become established.

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YOUR

# HAIR

AND ITS CARE

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

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