

Books of the Week

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ASTM STANDARDS ON TEXTILE MATERIALS (WITH RELATED INFORMATION): Specifications, Tolerances, Methods of Testing, Definitions and Terms—ASTM Committee D-13 on Textile Materials—*American Society for Testing Materials*, 597 p., illus., paper, \$5.00. A proposed method of testing nylons for snag resistance involves pulling the stocking over a piece of sandpaper.

ADVANCED FLUID DYNAMICS AND FLUID MACHINERY—Ralph C. Binder—*Prentice-Hall*, 426 p., illus., \$6.00. An extension of the author's "Fluid Mechanics."

AMERICAN FOREST POLICY: A Study of Government Administration and Economic Control—Luther Halsey Gulick—*Duell* for the Institute of Public Administration, 252 p., \$3.50. When a government acts to solve an economic problem, what happens? This is the question which this study of our national attitude toward our forests poses and tries to answer.

DOGS, DOGS, DOGS: Stories of Challengers and Champions, Heroes and Hunters, Warriors and Workers—Stories selected by Phyllis R. Fenner—*Watts, F.*, 270 p., illus., \$2.75. Pen drawings by Manning deV. Lee illustrate these old and new favorites of dog-loving boys and girls.



**ATOMS,
STARS,
X-RAYS,
ISOTOPES,
RAINBOWS,
GRAVITATION**

now simply explained in

THE NATURE OF THINGS

by **DR. ROY K. MARSHALL**
NBC-TV's Science Expert

"This book gives the substance of his telecasts and shows he is a born teacher. . . . Readers will find themselves oriented in discussions today which they have but dimly understood. Jon Gnagy's illustrative drawings greatly help. Like a well-built novel, THE NATURE OF THINGS grows in excitement throughout and ends with an O. Henry-like snapper."

—*Christian Science Monitor*

\$2.95 at all booksellers, or direct from
HENRY HOLT & CO., 257 Fourth Ave., N.Y. 10

EDUCATION UNLIMITED: A Community High School in Action—Grace S. Wright, Walter H. Gaumnitz, and Everett A. McDonald, Jr.—*Govt. Printing Office*, Office of Education Bulletin 1951, No. 5, 35 p., illus., paper, 15 cents. A case history of a small rural secondary school which has successfully overcome its limitations.

ENVIRONMENT AND HEALTH—*Govt. Printing Office*, 152 p., illus., paper, 75 cents. A readable account of Public Health Service programs which help local governments control major environmental threats to health and safety.

THE FIRST BOOK OF BIRDS—Margaret Williamson—*Watts, F.*, 69 p., illus., \$1.75. Telling children where to look for birds and the interesting things to look for in them.

THE FIRST BOOK OF FIREMEN—Benjamin Brewster, *Watts, F.*, 42 p., illus., \$1.75. Hooksies and smoke-eaters all over the world, now and then, are described for the beginning reader.

FOUNDRY WORK—Edwin W. Doe—*Wiley*, 109 p., illus., \$1.76. This high-school text-book tells the student how to work in a foundry.

GODS, GRAVES, AND SCHOLARS: The Story of Archaeology—C. W. Ceram, translated from the German by E. B. Garside—*Knopf*, 426 p., illus., \$5.75. A German newspaper editor and dramatic critic who has made archaeology a hobby writes this interesting account of the drama of man's past.

IN QUEST OF PEACE AND SECURITY: Selected Documents on American Foreign Policy 1941-1951—U. S. Department of State—*Govt. Printing Office*, State Publication 4245, 119 p., paper, 55 cents. Excerpts and complete documents important in recent history.

THE KREMLIN SPEAKS: Excerpts from Statements Made by the Leaders of the Soviet Union—U. S. Department of State—*Govt. Printing Office*, State Publication 4264, 37 p., paper, 15 cents. These quotations from statements made by Soviet political leaders, from Soviet laws and Communist doctrine, and from official party periodicals, illustrate the Soviet Union's propaganda techniques, which are similar to those of Hitler.

A LABORATORY COURSE IN BIOLOGY—James C. Adell and Louis E. Welton—*Ginn*, 282 p., illus., paper, \$2.20. To promote learning by doing.

MARKETING DRY EDIBLE BEANS AND PEAS—Reed A. Phillips and D. B. DeLoach—*Govt. Printing Office*, USDA Technical Bulletin No. 1044, 105 p., paper, 30 cents. Many charts, graphs, and maps illustrate this rather technical account of a nation-wide survey.

MINNEQUA PLANT OF COLORADO FUEL AND IRON CORPORATION AND TWO LOCALS OF UNITED STEELWORKERS OF AMERICA: Case Study No. 9, Causes of Industrial Peace Under Collective Bargaining—George W. Zinke—*National Planning Association*, 95 p., paper, \$1.00. Two factors in industrial peace at this plant are "the existence of a guiding wage struc-

ture and of arrangements for applying it to changing conditions" and, in union and management, "a spirit of mutual recognition of each other's needs."

NORTH WITH THE SPRING—Edwin Way Teale—*Dodd, Mead*, 366 p., illus., \$5.00. A naturalist and his camera followed spring's 15-mile-a-day advance over our nation from the Everglades to Mount Washington.

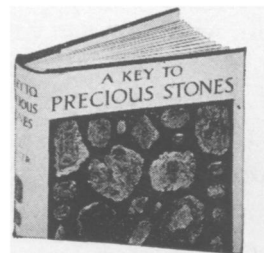
THE PEOPLE IN YOUR LIFE: Psychiatry and Personal Relations by Ten Leading Authorities—Margaret M. Hughes, Ed.—*Knopf*, 278 p., \$3.50. Authoritative lectures on mental health, originally given at Town Hall, together with answers to questions asked by the audience.

POINT FOUR PIONEERS: Reports From a New Frontier—U. S. Dept. of State—*Govt. Printing Office*, State Publication 4279, 36 p., illus., paper, 20 cents. The work of Frank Pinder in Liberia, of Albion W. Patterson in Paraguay, and of Horace Holmes in India, show that our war against hunger and poverty "must be fought not only with technical knowledge but also with patience, courage, creative imagination and a humble spirit."

PROCEEDINGS NUMBER—*American Council of Learned Societies*, Bulletin No. 44, 122 p., paper, \$1.00. Includes a chapter on the "Conquest of Fear," as well as the usual reports and directory.

PROGRESS AND PROSPECTS: Scientific Research in Physiology, Nutrition and Special Uses of Sugar—*Sugar Research Foundation, Inc.*, Seventh Annual Report, 1950, 71 p., paper, free upon request to publisher, 52 Wall St., New York 5, N. Y.

PSYCHOLOGY AND ITS BEARING ON EDUCATION—C. W. Valentine—*Philosophical Library*, 674 p., illus., \$6.00. A college text by a British psychologist.



A Key to Precious Stones

By **L. J. SPENCER**

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Minerals, British Museum

"The author has set a high standard for popular works on scientific subjects. By avoiding technical treatment and using simple language he introduces the reader to the fundamentals of the subject. Well-worn facts are given new lustre and recent discoveries are presented in a manner that is intelligible to the layman. Within the compass of a small, inexpensive book, provided with a good index, is collected considerable information formerly scattered through a voluminous literature, including much that is new to the advanced student."—*Mineralogical Magazine*

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THE PSYCHOLOGY OF C. G. JUNG—Jolande Jacobi (K. W. Bash, Translator)—*Yale University Press*, rev. ed., 244 p., illus., \$3.75. This authoritative presentation of the theories of one of Freud's chief rivals includes a foreword by Jung himself.

RADIATION SCREENS IMPROVE WORK CONDITIONS IN "HOT SPOTS"—George F. Haines, Jr.—*Mellon Institute*. 2 p., illus., paper, free upon request to publisher, 4400 Fifth Ave., Pittsburgh 13, Pa. Not atomic radiation but plain heat is the industrial "contaminant" this article tells how to control.

RECENTLY INTRODUCED VARIETIES OF HEAD LETTUCE AND METHODS USED IN THEIR DEVELOPMENT—G. W. Bohn and Thomas W. Whitaker—*Govt. Printing Office*, USDA Circular No. 881, 27 p., illus., paper, 15 cents. Sixteen kinds of lettuce introduced by Agriculture and the different environments to which they are suited are described.

A REVISED CLASSIFICATION FOR THE BIRDS OF THE WORLD—Alexander Wetmore—*Smithsonian*, 22 p., paper, 15 cents. Dr. Wetmore's own studies and review of others' work have led to this first classification printed since 1940.

SCIENCE IN PROGRESS: Seventh Series—George A. Baitsell, Ed.—*Yale University Press*, 512 p., illus., \$6.00. Based on Sigma Xi National Lectures, these articles describe recent major contributions to science in the words of the men responsible for them.

THE THEORY AND CONSTRUCTION OF A SELF-CHARGING VAN DE GRAAFF GENERATOR—Richard H. Waters—*American Electrostatic Company*, 20 p., illus., \$2.50. Telling how to build this instrument with material and tools available in the home workshop.

THE TSIMSHIAN: Their Arts and Music—Viola E. Garfield, Paul S. Wingert, and Marius Barbeau—*Augustin*, 290 p., illus., \$6.00. These Indians of British Columbia are distinctive in their language, tribal relationships and authority of chiefs; includes music and words to 75 songs.

WATERFOWL AND THEIR FOOD PLANTS IN WASHINGTON—Charles F. Yocom—*University of Washington Press*, 272 p., illus., \$5.00. Hunters as well as ornithologists and ecologists will be interested in this work.

Science News Letter, November 17, 1951

New hybrid guayule, rubber-yielding plant of the dry Southwest, gives up to 40% more rubber than the best wild varieties of a decade ago.

PUBLIC HEALTH

Avoid Fire Hazards From Television

► IF YOU have a television set in your home, be sure you do not let it create a fire hazard.

Advice on this new home danger is given by the U. S. Rural Electrification Administration as follows: One hazard may be the way the aerial is attached to the chimney. This danger is somewhat greater on farms than in town, because in the country aerials must be high.

If not securely attached, the constant vibration of the aerial in the wind may weaken the mortar, causing bricks to come loose or cracks to develop in the chimney wall. If this occurs, two things can happen: Sparks can fly onto the roof, or hot gases accumulate in the walls or attic of the house. Either might result in a disastrous fire. And remember to have the television aerial grounded against the possibility of a lightning strike.


The specialists also suggest television precautions to take inside the house. One concerns location. Each set uses from two to three hundred watts of electric power, so it generates a good deal of heat. If the owner pushes it flat against the wall, or into a tight corner, this may cut off air circulation, and the heat that accumulates may damage the set. It might even result in a fire inside the cabinet.

Television manufacturers provide for further ventilation by putting small vent holes in the cabinet—usually at the top or bottom of the set. The homemaker who puts a decorative mat or covering over the cabinet may nullify this safety effort of the maker. With a table model, it's well to take care that the family doesn't slide magazines into the space between the bottom of the cabinet and the table. This will shut off the air from the vents in the under side.

Science News Letter, November 17, 1951


A new raspberry, developed in New York State, bears two crops a year and is named the "September" because the second bearing is late in that month.

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