

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.

ASTM STANDARDS IN BUILDING CODES: Specifications, Methods of Testing, Definitions—*American Society for Testing Materials*, 973 p., illus., paper, \$6.00. Bringing together material formerly scattered throughout the 10,000 pages of ASTM standards.

ACCEPTANCE INSPECTION FOR THE CONSUMER—Jules Labarthe—*Mellon Institute*, 5 p., paper, free upon request direct to publisher, 4400 Fifth Ave., Pittsburgh 13, Pa. Describing the work of the quality control laboratory.

APPROXIMATIONS FOR DIGITAL COMPUTERS—Cecil Hastings Jr., assisted by Jeanne T. Hayward and James P. Wong Jr.—*Princeton University Press*, 201 p., illus., \$4.00. First publication in book form of material formerly available only in limited numbers in loose sheets.

BIBLIOGRAPHY ON SOUTHWESTERN ASIA: II: A Second Compilation—Henry Field—*University of Miami Press*, 126 p., paper, \$3.00. Included are articles and books published from January 1, 1953, to December 31, 1954, with some earlier titles especially in medicine, geology and paleontology.

CREDIT COURSES BY TELEVISION: Report of a Conference Sponsored Jointly by the Committee on Television of the American Council on Education, and Continuing Education Service, Michigan State College, East Lansing, Mich. February 21-22, 1955—*American Council on Education*, 49 p., paper, \$1.00.

CULTURE AND HUMAN FERTILITY: A Study of the Relation of Cultural Conditions to Fertility in Non-Industrial and Transitional Societies—Frank Lorimer with special contributions by Meyer Fortes and others and a foreword by Frank W. Notestein—*UNESCO (Columbia University Press)*, 510 p., illus., paper, \$4.50. The disadvantage of too many mouths to feed was obvious even to primitive peoples. At the same time it was clear that a high birthrate is needed to balance high mortality.

ESSENTIALS OF BIOLOGICAL AND MEDICAL PHYSICS—Ralph W. Stacy and others—*McGraw-Hill*, 586 p., illus., \$8.50. Based on four years of teaching biophysics at Ohio State University.

FM LIMITERS AND DETECTORS—Alexander Schure, Ed.—*Rider*, 48 p., illus., paper, 90 cents. Greatest difference between FM and AM receivers is in their detector circuits. Included with an analysis of this difference is a discussion of limiters and a chapter devoted to the gated-beam detector.

FAMILY, SOCIALIZATION AND INTERACTION PROCESS—Talcott Parsons and Robert F. Bales with collaboration of James Olds and others—*Free Press*, 422 p., \$6.00. The authors view the American family as undergoing change but not disorganization.

THE GENUS NICOTIANA: Origins, Relationships and Evolution of Its Species in the Light of Their Distribution, Morphology and Cytogenetics—Thomas Harper Goodspeed—*Chronica Botanica*, 536 p., illus., \$12.50. Results of a 30-year study of this plant, including 60 species of which all but four have been grown under controlled conditions.

HANDBOOK OF 630-TYPE TV RECEIVERS—Simon S. Miller and Howard Bierman—*Rider*, 200 p., illus., paper, \$3.50.

HOOPER DAM QUADRANGLE NEVADA-ARIZONA: 15 Minute Series (Topographic)—*Geological Survey*, Wall chart, 20 cents. Map showing some of the landmarks in the area near Lake Mead.

INTERPRETATION OF REACTIONS IN ACID THIOSULFATE MEDIA—William W. Leathen and S. A. Braley—*Mellon Institute*, 1 p., paper, free upon request direct to publisher, 4400 Fifth Ave., Pittsburgh 13, Pa.

AN INTRODUCTION TO CHEMISTRY—Howard L. Ritter—*Wiley*, 649 p., illus., \$6.50. Presenting chemistry as a cultural study without neglecting practical chemical information.

MATERIALS FOR NUCLEAR POWER REACTORS—Henry H. Hausner and Stanley B. Roboff with foreword by T. Keith Glennan—*Reinhold*, 224 p., illus., \$3.50. A guide for scientists and materials engineers as well as for investors and students.

MODERN PHYSICS—John C. Slater—*McGraw-Hill*, 322 p., illus., \$5.50. A text for advanced undergraduate students of science and engineering, stressing not mathematics but the history of development of ideas tied together with enough theory to make it comprehensible.

MOSQUITOES: How to Control Them on Your Property—*Govt. Printing Office*. USDA Leaflet No. 386, 8 p., illus., paper, 5 cents. Recommendations for preventing and eliminating this common pest.

PROPOSED PROGRAM IN ERGONOMICS—HUMAN ENGINEERING—Theodore F. Hatch—*Mellon Institute*, 2 p., paper, free upon request direct to publisher, 4400 Fifth Ave., Pittsburgh 13, Pa. Ergonomics, it is explained, is the basic area of applied science concerned with human behavior in response to external stress.

QUANTUM THEORY OF SOLIDS—R. E. Peierls—*Oxford University Press*, 229 p., illus., \$4.80. Addressed to theoretical physicists.

RIDER'S SPECIALIZED AUTO RADIO MANUAL: 6-A, Installation & Service of Custom-Built Motorola Auto Radios for All Makes of Cars—Staff—*Rider*, 212 p., illus., paper, \$3.00.

SOUTHERN AFRICA: A Geographical Study: Volume II, Economic and Human Geography—John H. Wellington—*Cambridge University Press*, 283 p., illus., \$6.50. A faculty member at the University of the Witwatersrand sheds new light on the "Dark Continent."

SYMPOSIUM ON METHODS OF TESTING BUILDING CONSTRUCTIONS—W. T. Savage, Chairman—*American Society for Testing Materials*, 132 p., illus., paper, \$2.75. How construction may be improved.

TREES AND SHRUBS OF THE UPPER MIDWEST—Carl Otto Rosendahl—*University of Minnesota Press*, 411 p., illus., \$6.00. A successor with broader scope to a definitive source book by Prof. Rosendahl and Prof. F. K. Butters, the "Trees and Shrubs of Minnesota."

Science News Letter, July 2, 1955

AGRICULTURE

Strawberries Free of Virus More Plentiful

➤ GARDENERS AND commercial growers in the eastern states had 24 varieties of virus-free strawberry plants available for planting this year.

Plant nurseries reported that they had about 150,000,000 disease-free plants ready for market. The first virus-free strawberries were introduced just last year.

"Most strawberries grown in the United States at present," stated the U. S. Department of Agriculture, "are affected by viruses. Although symptoms of virus infection are very hard to detect, the disease is known to hold down strawberry yields, restrict the size of fruit, and inhibit plant growth."

In addition to the eight varieties of virus-free plants made available to growers in 1954, nurserymen now have 16 more stocks that are substantially virus-free. No strawberry varieties known are immune to viruses and nurserymen must take care to keep their plants from contracting the disease.

Strawberry viruses are spread by aphids. These little insects are much more abundant in the West than the East, and have made a similar virus-free strawberry program much more difficult in that area. Some varieties are now available to western growers, however, but in limited quantity and variety.

Science News Letter, July 2, 1955

WILDLIFE

Hunters Not Expected To Get Wild Fowl Limit

➤ HERE IS the official answer to an old problem that has stumped duck hunters:

So long as more than the legal limit is not taken, why not bait favorite hunting grounds to bring the birds into shooting range?

The answer is simple. Hunters are not supposed to get their bag limit.

John L. Farley, director of the U. S. Fish and Wildlife Service, explained that the game limit is merely one tool of wildlife management, designed to work along with anti-baiting and other limiting regulations to protect waterfowl. If all hunters took home their legal limit, Mr. Farley said, pretty soon the United States would be scraping the bottom of the barrel for ducks and geese.

Under present waterfowl management practices, however, there is no danger of extinction of common species of ducks and geese due to hunting pressure, he said.

Science News Letter, July 2, 1955

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