

Books of the Week

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ADAPTATION AND ORIGIN IN THE PLANT WORLD:

The Role of Environment in Evolution—Frederic E. Clements, Emmett V. Martin and Francis L. Long—*Chronica Botanica*, 332 p., illus., \$6.00. A monograph on the nature of plant species and the results obtained through 40 years of experiments in the climatic gardens on Pikes Peak and the gardens with controlled environments in Santa Barbara.

ANALYSIS AND DESIGN OF EXPERIMENTS—H. B. Mann—*Dover*, 198 p., illus., \$2.95. Analysis of variance and of variance designs. For the mathematician, the practical experimenter and the statistician.

AN ATLAS OF CAT ANATOMY—Hazel E. Field and Mary E. Taylor—*University of Chicago Press*, 75 p., illus., \$3.75. A visual aid for the student which demonstrates clearly the anatomy of the mammal. 57 full-page plates.

AUTHOR'S GUIDE FOR PREPARING MANUSCRIPT AND HANDLING PROOF—Wiley, 80 p., illus., \$2.00. The publishers have brought forward a booklet to aid the author in efficient preparation of his material, both manuscript and illustrations. Slanted toward the technical manuscript.

BIOLOGICAL CONTROL OF THE EUROPEAN CORN BORER IN THE UNITED STATES—W. A. Baker, W. G. Bradley, and C. A. Clark—*Gov't. Printing Office*, U. S. Dept. of Ag. Tech. Bull. No. 983, 185 p., illus., paper, 50 cents. A technical report.

CONSERVATION METHODS IN COTTON PRODUCTION—B. H. Hendrickson—*Gov't. Printing Office*, U. S. Dept. of Ag. Misc. Publ. No. 694, 32 p., illus., paper, 10 cents.

DISSOCIATION ENERGIES AND SPECTRA OF DIATOMIC MOLECULES—A. G. Gaydon—*Dover*, 239 p., illus., \$3.95. The author records and analyzes the results of recent research in the field.

FEDERAL-STATE-LOCAL RELATIONS IN AGRICULTURE—John D. Black—National Planning Association, Pamphlet No. 70, 46 p., paper, 50 cents. The author's views on federal, state and local administration of farm programs.

THE FORMS OF THE BLACK HAWK-EAGLE—Herbert Friedmann—*Smithsonian Institution*, Vol. III, No. 16, 4 p., illus., paper, 10 cents. A record of the finding of two separable units of the species, black hawk-eagle.

FUNDAMENTAL EDUCATION: A Description and Programme—UNESCO (U. S. Distributors: *Columbia University Press*), 84 p., illus., paper, 25 cents. First of a series of booklets on fundamental education to be put out by UNESCO.

HANDLING, STORAGE, TRANSPORTATION, AND UTILIZATION OF POTATOES: A Digest of Information on the Subject Published Mostly from 1938 to 1948—Dean H. Rose and Harold T. Cook—*Gov't. Printing Office*, U. S. Dept. of Ag. Bibl. Bull. No. 11, 163 p., paper, 35 cents.

HOME FREEZING FOR EVERYONE: Recipes, Menus, Methods—Lura Jim Alkire and Stanley Schuler—*M. Barrows*, 157 p., \$2.00. General all-around information on the subject.

HOW TO KNOW THE WILD FLOWERS—Alfred Stefferud—*Holt*, 144 p., illus., \$2.00. A handy little guide for when you go looking for wild flowers in the woods.

LET'S LOOK UNDER THE CITY: Water, Gas, Waste, Electricity, and Telephone—Herman

and Nina Schneider—*William R. Scott*, approx. 35 p., illus., paper, \$1.50. A children's book explaining several utilities of a city. Informative illustrations.

LUMBER DRY KILNS AND THEIR OPERATION—A. J. Panshin—*Michigan State College*, 70 p., illus., paper, free upon request to publisher, Agricultural Experiment Station, Section of Forestry, East Lansing, Mich. A bulletin describing the fundamental operations and uses of the kiln.

MAQUOKETA BRACHIOPODA OF IOWA—Y. Wang—*Geological Society of America*, Memoir 42, 55 p., \$1.40. A study which describes and discusses 22 genera and 60 species of brachiopods.

1950 TELEVISION SERVICING INFORMATION—M. N. Beitman, Compiler—*Supreme Publications*, 144 p., illus., paper, \$3.00. This year's manual includes more models than ever before and also presents more servicing instruction.

PHENOMENA, ATOMS AND MOLECULES: An Attempt to Interpret Phenomena in Terms of Mechanisms of Atomic and Molecular Interactions—Irving Langmuir—*Philosophical Library*, 436 p., illus., \$10.00. A collection of 20 papers which the author has written since 1909.

THE ROLL CALL OF THE IROQUOIS CHIEFS: A Study of a Mnemonic Cane from the Six Nations Reserve—William N. Fenton—*Smithsonian Institution*, Publ. No. 3995, 73 p., illus., paper, 75 cents. A monograph of a particular Iroquois Chiefs' cane. With 12 plates.

SCIENCE VIA TELEVISION—Lynn Poole—*Johns Hopkins Press*, 198 p., illus., \$3.50. The author tells how to plan, write, and produce a television program.

SOCIAL ANTHROPOLOGY: The Science of Human Society and Culture—J. S. Slotkin—*Macmillan*, 604 p., \$4.75. An introductory text.

SRA YOUTH INVENTORY—H. H. Remmers and Benjamin Shimberg—*Science Research Associates*, 11 p., paper, 75 cents for a specimen set either hand or machine-scored. A check list of 298 questions designed as a tool to help teachers, counselors, and school administrators to identify quickly the problems that young people say worry them most.

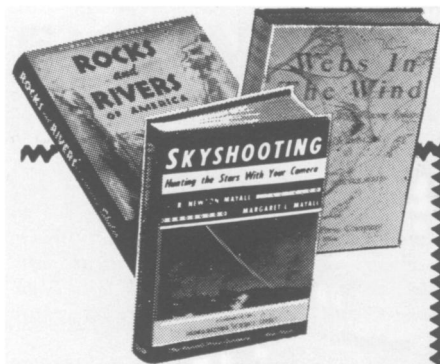
THE STANDARD BOOK OF HUNTING AND SHOOTING—Robert B. Stringfellow, Ed.—*Greystone*, 564 p., illus., \$5.95. A guide to game hunting on the North American continent. Many helpful illustrations. Abridged from *The Hunter's Encyclopedia*.

THE STORY OF THE AMERICAN AUTOMOBILE: Highlights and Sidelights—Rudolph E. Anderson—*Public Affairs Press*, 301 p., illus., \$3.75. The history of the American automobile as the author sees it. Many amusing illustrations.

STUDY ABROAD: International Handbook—Fellowships, Scholarships, and Educational Exchange, Vol. II—UNESCO (U. S. Distributors: *Columbia University Press*), 362 p., illus., paper, \$1.25. A compilation of the available international higher education.

SURFACE-ACTIVE QUATERNARY AMMONIUM GERMICIDES—Carl A. Lawrence—*Academic Press*, 245 p., illus., \$6.00. A monograph compiling a review of the literature in this field.

Science News Letter, March 18, 1950



Webs in the Wind

WINIFRED DUNCAN. The remarkable story of a two year voyage of discovery into the little-known world of the web weaving spiders. "A lovely book," JOHN KIERAN calls it, "combining science and art in a delightful way. It is evident that the author knows all web weaving spiders and their ways. This book should be a handsome and valuable addition to any nature library." 381 pp. 175 illus. \$4.50

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Boy's Book of Snakes

PERCY A. MORRIS. "This excellent book will be immensely valuable in teaching young people—and through them their parents—how to recognize, understand, and care for snakes."—*Nature Magazine*. \$3.00

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