

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.

BASIC ELECTRONICS — Van Valkenburgh, Nooger and Nelville—*Rider*, 5 volumes, 560 p. in all 5 volumes, illus., paper, \$2.00 per volume or \$9.00 for the set. A home study course on this important subject.

THE BOTANICAL LORE OF THE CALIFORNIA INDIANS: With Side Lights on Historical Incidents in California—John Bruno Romero whose Indian name is Ha-Ha-St — *Vantage*, 82 p., \$2.50. This book by an Indian, nephew of a medicine man, describes beliefs about the curative powers of plants, some of which have been kept secret for over a hundred years.

BOTANY: Principles and Problems—Edmund W. Sinnott and Katherine S. Wilson—*McGraw-Hill*, 5th ed., 528 p., illus., \$6.75. New and partly rewritten edition of 32-year-old standard text. Beautifully illustrated.

A DICTIONARY OF GEOLOGY — Godfrey W. Himus—*Penguin*, 153 p., illus., paper, 50 cents. Intended to enable the general reader to understand the language of geologists.

DO IT YOURSELF: Or My Neighbor Is an Idiot —M. Brickman—*Gilbert Press (Messner)*, 176 drawings, \$2.95. Cartoons showing the predicaments a man with hand or power tools can get himself into.

ELECTRICITY—Eric de Ville—*Penguin*, 159 p., illus., paper, 65 cents. The story from Franklin's experiments with the kite to the development of the atomic bomb and discoveries of radar and the electron microscope.

FALL CHANGES — Eva L. Gordon, Richard B. Fischer and Verne N. Rockcastle — *New York State College of Agriculture*, Cornell Rural School Leaflet, 32 p., illus., paper, 10 cents. The color of leaves and the beginning of cold weather are by no means all of the many changes in nature in the fall.

GENETICS AND HUMAN HEREDITY — J. Ben Hill and Helen D. Hill—*McGraw-Hill*, 526 p., illus., \$6.50. A college text for either liberal arts or agriculture students.

THE GYROSCOPE APPLIED—K. I. T. Richardson—*Philosophical Library*, 384 p., illus., \$15.00. The properties of this device affect everyone if only because the earth itself is in effect a gigantic gyroscope.

HOW TO INSTALL TV ANTENNAS—Samuel L. Marshall—*Rider*, 124 p., illus., paper, \$2.50. In addition to being a good electronic technician, the antenna installation man must be a rigger, a roofer, an electrician and a mason.

AN INTRODUCTION TO DEDUCTIVE LOGIC—Hugues Leblanc — *Wiley*, 244 p., \$4.75. A manual for advanced undergraduate and elementary graduate work in logic.

THE JOURNAL OF BIOPHYSICAL AND BIOCHEMICAL CYTOLOGY: Volume 1, No. 1—Richard S. Bear and others, Eds.—*Rockefeller Institute for Medical Research*, 92 p., illus., paper, bimonthly \$1.50 or \$7.50 per volume. This new journal will give special attention to cellular organization at the colloidal and molecular levels and to studies integrating cytological information from various technical approaches.

A LIST OF PUBLISHED AND PROCESSED REPORTS ON RESEARCH IN FOODS, HUMAN NUTRITION AND HOME ECONOMICS AT THE LAND GRANT INSTITUTIONS — Compiled by Christine Justin and Georgian Adams—*U. S. Department of Agriculture*, 75 p., paper. Free upon request direct to

publisher, State Experiment Stations Division, Agricultural Research Service, USDA, Washington 25, D. C.

LOAD-CARRYING CAPACITY OF FROST-AFFECTED ROADS—C. L. Motl and Carl E. Vogelgesang—*Highway Research Board*, Bulletin 96, 23 p., illus., paper, 45 cents. Reporting tests made in Oregon, Indiana and Nebraska.

LOOKOUT FOR THE FOREST: A Conservation Story—Glenn O. Blough—*McGraw-Hill*, 48 p., illus., \$2.25. A child's story book intended to interest him in forest fire prevention. The jacket has an application form so that he can join "Smokey Bear's" Junior Forest Rangers.

A MODERN PERSPECTIVE OF THE GRINDING PROCESS—H. R. Letner—*Mellon Institute*, 7 p., illus., paper, free upon request direct to publisher, 4400 Fifth Ave., Pittsburgh 13, Pa.

PICTURE BOOK OF TV TROUBLES: Volume 2, Vertical Sweep and Deflection Circuits—John F. Rider Laboratory Staff — *Rider*, 91 p., illus., paper, \$1.80. For the trouble shooter, faults are here arranged by receiver circuit.

PSITTACOSIS: Diagnosis, Epidemiology and Control — F. R. Beaudette, Ed. — *Rutgers University Press*, 240 p., illus., \$5.00. Symposium papers which show that "parrot fever" can be spread by many different kinds of birds and even by mammals.

RIDER'S SPECIALIZED TAPE RECORDER MANUAL: Volume 1, 1950-1954—*Rider*, 286 p., illus., paper, \$4.50. Service information on popular kinds of magnetic tape recorders.

SCIENCE WITH TOYS—Eva L. Gordon and Philip G. Johnson—*New York State College of Agriculture*, Cornell Rural School Leaflet, 32 p., illus., paper, 10 cents. Explaining how various kinds of common toys operate.

SPECTROSCOPIC MOLECULAR: II Tractamentos del Coordinatas Normal de Moleculas Polyatomic A. Theoria General—Salvador M. Ferigle and Alfons Weber — *Forrest F. Cleveland and the authors*, 27 p., paper, \$1.00. The second of a series of monographs on molecular spectra written in the international language, Interlingua. This monograph explains the theory.

THE STORY OF OUR TIME: Encyclopedia Year Book 1955—Marian Lockwood, Ed.—*Grolter Society and Richards*, 431 p., illus., \$4.95. Watson Davis contributed the section on Science Highlights. There are also articles on Interlingua and the science manpower shortage.

A TEXTBOOK OF PHYSIOLOGY—John F. Fulton, Ed.—*Saunders*, 17th ed., 1275 p., illus., \$13.50. Bringing up to date the famous text originally written by the late W. H. Howell. The first seven chapters have been completely rewritten and a new chapter on acetylcholine and energy transformations in nerve cells has been added.

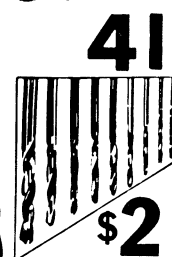
TWENTY YEARS OF NURSE-MIDWIFERY — *Maternity Center Association*, 124 p., illus., paper, \$2.00. Describing progress in a relatively new profession.

THE VERTEBRATE BODY—Alfred Sherwood Romer—*Saunders*, 2d ed., 644 p., illus., \$7.00. An introductory account of vertebrate anatomy and physiology.

Science News Letter, March 19, 1955

The world's first engineering school was founded in Paris in 1747.

SURPLUS TOOL BARGAINS Save Up To 50%



41 SURPLUS TWIST DRILLS

For hand or electric drills. Brand new genuine hardened carbon tool steel drills from 1/16" through 1/4". Each drill designed and tempered to give up to 1800 drillings through steel, aluminum, iron, wood, plastic. Sells in the stores for up to \$6. Set of 41 drills \$2.00.

5 PLIER SET

For jewelers, optical workers, hobbyists. These superb German instruments are of drop-forged, high-quality tool steel. All ground and smooth working joints with just right tension, jaws meet perfectly to safely and securely hold most delicate objects. Each plier is 4" long and a veritable gem of precision and strength.

FLAT NOSE

ROUND NOSE

DIAGONAL

75¢ EACH

COMBINATION

All 5 for \$3.50

The GREATEST value we've offered!

21 Pc. 1/4" & 1/2" DRIVE SOCKET SET

A \$14.95 Value OUR PRICE \$5.95

Perfect for AUTOMOTIVE, TV, RADIO & HOME APPLIANCE Repair!

This complete 21 piece socket set has eight 12 point sockets, sizes 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 7/8" and 15/16" plus an 8" extension, L handle, reversible ratchet and reversible screw driver. Also six 1/4" Drive Sockets, size 1/4", 5/16", 11/32", 3/8", 7/16" and 1/4" square, L handle and extra large extension with shock-proof plastic handle. All sockets, extensions, wrenches, ratchets, etc., fit snugly and easily into a handy metal carrying tray—all bright finished and precision constructed for long life . . . unconditionally guaranteed.

Gov't. Surplus DuPont NYLON CORDS BELOW MANUFACTURER'S COST

Light, strong, durable, quick-drying. Will not rot or mildew. Ideal for indoor or outdoor use. Camping, boating, hunting, clothesline and venetian blinds. Perfect for tent ropes, light anchors, deer cord, trot lines, crabbing, etc.

OUTWEARS ORDINARY ROPE 10 to 1

NYLON BRAIDED CORD
1/16" dia.—100 lb. test—white 1 1/2¢ per ft.
1/8" dia.—375 lb. test—white 2¢ per ft.
3/16" dia.—550 lb. test—olive drab per ft. 2 1/2¢
In 100, 200, 300, 400, 500 ft. and over lengths.

NYLON BRAIDED LINE
1/4" dia.—1000 lb. test—olive drab 3¢ per ft.
In 30 and 50 ft. lengths.

NYLON ROPE
3/8" dia.—2,700 lb. test. Any length to 1200 ft. 16¢ per ft.

7/16" dia.—3,800 lb. test. 18¢ per ft.

Any length from 20 to 120 ft. Minimum order \$1.00. Send Check or M.O. C.O.D. plus fee. Money Back Guarantee.

NYLON FISH LINE

Proven best by experienced fishermen. Heat stretched. Will not kink, twist or unravel. 25 lb. Test. 300 ft., reg. \$1. NOW 50¢ per spool.

NYLON WEB STRAPS

with sturdy steel buckle. Perfect for luggage straps, car tow-lines, car carrying straps, boat trailer straps, etc. Tie heavy equipment and machinery with greater ease and safety... at far less cost. Just the thing for the garage or workshop.

1" wide—3,000 lb. test—10¢ per foot

1 3/4" wide—6,000 lb. test—16¢ per foot

In 5, 6, 8, 10, 12 ft. lengths.

HOW TO ORDER

Send check or money order with name and address. We pay postage. If C.O.D. you pay postage and C.O.D. charges. Money back guarantee protects you fully. Rush orders today.

Scott-Mitchell House Inc.
611 Broadway, New York 12

Dept. 2403