

• New Machines and Gadgets •

☼ **THRIFTY LIDS** are available for thrifty housewives who have coffee-type jars, and wish to use them in preserving fruit and vegetables. The thrifty lids are tin metal tops which are placed on the filled jar and held tightly in place with the metal screw cap which came with the jar. After cooling the screw cap is removed, the lid remaining in place held by the vacuum in the jar.

Science News Letter, May 8, 1943

☼ **ELECTIC RAZORS** may be sharpened by a device just patented. A felt pad is saturated with a mixture of oil and abrasive. The cutting end of the shaver is pressed against the pad, causing a little of the oil to exude. Power is turned on and the revolving cutting edges are sharpened.

Science News Letter, May 8, 1943

☼ **AN ALL-PURPOSE** gas mask which protects against carbon monoxide and smoke, as well as all other gases, has been developed. The design permits full vision, both sideways and downward. The canister is designed for two hours of actual service. An automatic timer shows how long it has been used. It is recommended by the manufacturer for fire-fighting particularly, filtering out 95% of any smoke, fumes, mist or fine dust.

Science News Letter, May 8, 1943

☼ **OXIDE-COATED** filaments in radio tubes emit electrons more readily than

plain metal ones because the oxygen dissolves in the filaments, like salt dissolves in water, and loosens up the crystalline structure of the metal, recent experiments seem to show. A scientist is shown dissolving oxygen in a strip of metal. Such work opens up the possi-

bility of developing better X-ray, radio and power tubes.

Science News Letter, May 8, 1943

If you want more information on the new things described here, send a three-cent stamp to SCIENCE NEWS LETTER, 1719 N St., N. W., Washington, D. C., and ask for Gadget Bulletin 155.

• Just Off the Press •

AIRCRAFT PRODUCTION: PLANNING & CONTROL—H. D. MacKinnon, Jr.—*Pitman*, 253 p., illus., \$3.75. "All the essential information for the improvement of coordination between the Shop and Production department."

THE AIRPLANE AND TOMORROW'S WORLD—Waldemar Kaempffert—*Public Affairs Comm.*, 31 p., 10c. Paper pamphlet no 78. Post-war thinking.

THE AMERICAN SPECIES OF SCUTELLARIS—Carl Epling—*Univ. of Calif. Press*, 136 p., 3 plates, \$1.75. University of California publications in botany, vol. 20, no. 1.

AMERICAN WOMEN OF SCIENCE—Edna Yost—*Stokes (Lippincott)*, 232 p., \$2. Young people.

ARMY SELECTEE'S HANDBOOK: FOR THOSE MEN WHO WILL BE CALLED FOR DUTY UNDER THE SELECTIVE TRAINING AND SERVICE ACT—John R. Craf—*Stanford Univ. Press*, 79 p., 75c. Written by a First Lieutenant in the Quartermaster Corps for the 18-year olds, many of whom are going away from home for the first time.

BASIC ELECTRICITY—Wilbur L. Beauchamp and John C. Mayfield—*Scott, Foresman and Co.*, 312 p., illus., \$1.60. Prepared at the request of the War Department and the U. S. Office of Education in conformance with official pre-induction training outline no. PIT 101.

BETTER PHOTOGRAPHY MADE EASY—*Agfa Ansco*, 60 p., illus., 25c. Beautifully illustrated booklet for the snapshooter and photographer.

CLINICAL SIGNIFICANCE OF THE BLOOD IN TUBERCULOSIS—Gulli Lindh Muller—*Commonwealth Fund*, 516 p., \$3.50.

THE COTTON INDUSTRY—Josephine Perry—*Longmans, Green*, 128 p., illus., \$1.75. One of the America at Work series for young people.

DEVELOPING AND PRINTING MADE EASY—*Agfa Ansco*, 60 p., illus., 25c. Introducing the snapshooter to the more thrilling experiences possible in the dark room. Nice illustrations.

THE DUCKS, GEESSE AND SWANS OF NORTH AMERICA: A vade mecum for the naturalist and the sportsman—Francis H. Kortright—*American Wildlife Institute*, 475 p., illus., \$4.50.

ESTADISTICA: Journal of the Inter-American Statistical Institute, 60c per copy, \$2 per year. Subscriptions may be sent to Halbert L. Dunn, Secretary General Inter-American Statistical Institute, Census Bureau, Wash., D. C. New periodical, published in Mexico, on statistics.

EXPLORING THE WARTIME MORALE OF HIGH-SCHOOL YOUTH—Lee J. Cronbach—*Stanford Univ. Press*, 79 p., 75c. Applied Psychology Monographs, no. 1.

FACTORS AFFECTING STUDENT ACHIEVEMENT AND CHANGE IN A PHYSICAL SCIENCE SURVEY COURSE—Waldo Lyle Brewer—*Teachers College, Columbia Univ.*, 78 p., \$1.60. Teachers College, Columbia University Contributions to Education, no. 868. The authors suggest research which "might result in better curriculum content for survey courses."

FUNDAMENTALS OF SOIL SCIENCE—C. E. Millar and L. M. Turk—*Wiley*, 462 p., \$4.75. College textbook and reference book for farmers.

GARDENING FOR GOOD EATING—Helen Morgenthau Fox—*Macmillan*, 262 p., \$2.50.

INTER-AMERICAN STATISTICAL YEARBOOK, 1942—Raul C. Migone, director—*Macmillan*, 1066 p., \$10.

INTRODUCING INSECTS: A Book for Beginners—James G. Needham—*Jaques Cattell*, 129 p., \$1.75.

AN INTRODUCTION TO GROUP THERAPY—S. R. Slavson—*Commonwealth Fund*, 352 p., \$2. Technical book for psychiatrists and for workers in child guidance clinics.

MARRIAGE BEFORE AND AFTER—Paul Popenoe—*Wilfred Funk*, 246 p., \$2.

MIND, MEDICINE, AND MAN—Gregory Zilboorg—*Harcourt, Brace*, 344 p., \$3.50.

MINERALS AND ROCKS: Their Nature, Occurrence, and Uses—Russell D. George—*Appleton-Century*, 595 p., illus., \$6. One of the Century Earth Science Series.

PICTURE MAP GEOGRAPHY OF MEXICO, CENTRAL AMERICA AND THE WEST INDIES—Vernon Quinn—*Lippincott*, 114 p., illus., \$2. Juvenile.

A REVIEW OF THE GENUS MONARDA (LABIATAE)—Elizabeth McClintock and Carl Epling—*Univ. of Calif. Press*, 47 p., illus., 75c. University of California publications in botany, vol. 20, no. 2.

SOCIAL HYGIENE YEAR BOOK, 1942: The Program in Action in the States and Communities—Jean B. Pinney, ed—*American Social Hygiene Ass'n.*, 251 p., charts., \$1.

A STUDY OF PYCMANTHEMUM (LABIATAE)—Elizabeth Grant and Carl Epling—*Univ. of Calif. Press*, 45 p., maps, 75c. University of California publications in botany, vol. 20, no. 3.

THESE MYSTERIOUS RAYS: A Nontechnical Discussion of the Uses of X-Rays and Radium, Chiefly in Medicine—Alan L. Hart—*Harper*, 218 p., \$2.75.

