

# Books of the Week

► **JANE'S FIGHTING SHIPS** for 1943-44 has just appeared in its American edition—delay in publication is quite understandable, considering present conditions. Data are corrected to July, 1944. It is exceedingly helpful to anyone who tries to keep abreast of the naval war situation to have access to the new information here made available, even though many more changes have taken place in the intervening months. The war loss section has grown to formidable proportions; it is some satisfaction to note, however, the number of enemy ships so listed. (*Macmillan*, \$19.)

*Science News Letter, March 31, 1945*

► **THREE MORE** numbers have been added to the excellent pamphlet texts known as the Bios Classroom Series. They are **THE HONEYBEE**, by F. C. Pellett; **THE OYSTER**, by R. V. Truitt, and **IN THE BEGINNING: THE ORIGIN OF LIFE**, by C. T. Hurst. (F. G. Brooks, Mt. Vernon, Iowa, 10 cents each.)

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► **ANTHROPOLOGY** has come into its own in the present war; we have come to realize that in order successfully to combat our enemies and cooperate with our friends it is desirable to know all we can about them as human beings. Ralph Linton, one of the best known of American anthropologists, undertakes to bring the special knowledge of his discipline to bear on immediate problems in **THE SCIENCE OF MAN IN THE WORLD CRISIS** (*Columbia Univ. Press*, \$4), a book that should be required reading for every legislator and every conference delegate—not to mention the corps of administrators who will be required to take care of conquered enemy territory.

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► **ZOOLOGISTS** around the Upper Great Lakes and the adjacent regions will find a useful field companion in **AMPHIBIANS AND REPTILES OF THE CHICAGO AREA**, by Clifford H. Pope. The species are not only well described, but details of their life histories not often given in a small book are included, together with excellent sketches of some of the more interesting details. There are many good colored plates. (*Chicago Natural History Museum*, \$1.75.)

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► **MEANINGS** and derivations of words are always fascinating, and to scientists their exact understanding is often of highest importance. It is gratifying, therefore, to find in Robert S. Woods' **THE NATURALIST'S LEXICON** an unusually full and complete vocabulary for the life sciences, including large numbers of little-used or obscure terms. (*Abbey Garden Press*, \$2.75.)

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► **WILL BEEBE** has built up, in many popular books, an excellent reputation as a naturalist who knows how to write. Now, in **THE BOOK OF NATURALISTS**, he gives us an anthology of the great writing naturalists of the past, from Aristotle and Pliny through Gesner and Linnaeus to Fabre and J. S. Huxley; excellent selections, many of

them classics. It is rather a pity that modesty prevented inclusion of anything by William Beebe. (*Knopf*, \$3.50.)

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► **QUESTIONS PARENTS ASK** and the answers make up an unusual and helpful section of a new book on sex education of children, **HOW SHALL I TELL MY CHILD?** by Belle S. Mooney (*Cadillac*, \$1.98). After getting their own perplexities solved by this section, they will be better able to make use of the section on questions asked by children and the answers. The "dictionary of physiological terms" at the end might be even more useful if pronunciations were given as well as definitions.

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## Just Off the Press

**ADSORPTION**—C. L. Mantell—*McGraw*, 386 p., illus., \$4.50 (Chemical Eng'g Series).

**AIRFRAME MATERIALS**—F. S. Stewart—*McGraw*, 237 p., illus., \$2.50.

**BUILDING INSULATION**, a Treatise on the Principles and Application of Heat and Sound Insulation for Buildings—Paul Dunham Close—*Am. Tech. Soc.*, 328 p., illus., \$3.50, 2nd ed.

**THE CONTROL OF COMMUNICABLE DISEASES**, an Official Report of the American Public Health Association—*Am. Public Health Assn.*, 147 p., paper, 35c, 6th ed.

**DISCOVERY OF THE ELEMENTS**—Mary Elvira Weeks—*Journal of Chemical Education*, 578 p., illus., \$4.

**GERMAN-ENGLISH DICTIONARY OF METALLURGY** with Related Material on Ores, Mining and Minerals, Crystallography, Welding, Metal-working, Tools, Metal Products, and Metal Chemistry—T. E. R. Singer—*McGraw*, 298 p., \$4.

**HEREDITY IN DAIRY CATTLE**, Lessons in Breeding and Herd Development for 4H and FFA Dairy Clubs and other Beginners—James E. Russell—*Am. Guernsey Cattle Club*, 135 p., illus., \$2.50.

**HOW SHALL I TELL MY CHILD?**, a Parents' Guide to Sex Education for Children—Belle S. Mooney—*Cadillac Pub. Co.*, 192 p., \$1.98.

**"HSC" HIGH-SPEED BRAKE EQUIPMENT** for Types "A", "B", and "C" Diesel Locomotive Units and Cars with Individual Speed Governor Control—C. M. Drennan—*Am. Tech. Soc.*, 68 p., paper, illus., \$3.50.

**INTRODUCTION TO MICROWAVES**—Simon Ramo—*McGraw*, 138 p., illus., \$1.75.

**ORGANIC CHEMISTRY** with Applications to Pharmacy and Medicine—Eldin V. Lynn—*Lea*, 355 p., illus., \$4.50, 2nd ed.

**THE PSYCHOLOGY OF DIET AND NUTRITION**—Lowell S. Selling and Mary Anna S. Ferraro—*Norton*, 192 p., \$2.75.

**ROCKETS AND JETS**—Herbert S. Zim—*Harcourt*, 326 p., illus., \$3.

**THE STORY OF THE U. S. ARMY AIR FORCES**

—Jim Ray—*Garden City Pub. Co., Inc.*, illus., \$2.

**A STUDY OF SPONTANEOUS MUTATION**—Richard B. Goldschmidt—*Univ. of Calif. Press*, 549 p., paper, illus., \$3.

**TRAMPLING OUT THE VINTAGE**—Joseph A. Cocannouer—*Univ. of Okla.*, 221 p., \$2.75.

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## ELECTRONICS

### Electronic Vulcanization Of Rubber May Be Common

► **THE ELECTRONIC** vulcanization of rubber may become common in the near future, replacing the familiar heating method, with the securing of the basic patents covering the new process granted on discoveries made by R. A. Dufour and H. A. Leduc of France, and by E. E. W. Kassner of Switzerland. The purchasers of the patents are the B. F. Goodrich Company and the Firestone Tire and Rubber Company, who plan to make them available to other companies in the rubber and plastics industries on a reasonable basis.

Electronic vulcanization will speed production, but, more important, will give more uniform and higher quality products. Vulcanization is the joining of rubber molecules and sulfur. For more than a century, rubber has been vulcanized by applying heat to the outside surface. Since rubber insulates against rather than conducts heat, heating to the core by this method is slow and lacks uniformity. In electronic heating the core is heated quickly. In electronic vulcanization, high-frequency oscillations shake the molecules of rubber and sulfur millions of times a second, creating uniform heat throughout the product being vulcanized in a fraction of the time required when steam heating is used.

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Baking soda and water will clean grease effectively from a waffle iron.

## NEW "PICK-UP" CANE

Permits Disabled Persons To Pick Up Small Articles Without Painful Stooping.

### NO OTHER CANE LIKE IT

The Mason "Pick-Up" is a light double purpose cane with concealed patented pick up mechanism that enables the user by simple finger pressure and without any stooping to easily pick up papers, pencils, cards, coins, etc. Proper balance and rubber grip tip insures safer walking. Use a beautifully finished Mason "Pick-Up" Cane yourself or as a perfect gift for a disabled service man or friend. Write today for FREE CIRCULAR and 5 DAYS TRIAL OFFER.

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