

Books of the Week

AIR TRAFFIC CONTROL—Glen A. Gilbert—*Ziff-Davis*, 274 p., illus., \$5. A textual treatment of existing systems of air traffic control, one of the newest activities in the field of aviation, and a guide to assist in meeting future problems.

BRAZIL: Orchid of the Tropics—Mulford and Racine Foster—*Cattell*, 314 p., illus., \$3.50. A trip of exploration through Brazil in a search for air plants and jungle gardens.

HANDBOOK OF METEOROLOGY—edited by F. A. Berry, Jr., E. Bollay, and N. R. Beers—*McGraw-Hill*, 1068 p., illus., charts and tables, \$7.50. A text and reference book to cover the entire subject with information for the beginner and the expert.

HANDBOOK OF NONFERROUS METALLURGY; Recovery of the metals—Donald M. Liddell, editor—*McGraw-Hill*, 721 p., illus., \$7. Dependable facts on the metallurgy of each metal in detail for the practicing metallurgist.

LESSONS IN ARC WELDING—Lincoln Electric Company—*Lincoln Electric Company*, 176 p., illus., 50 cents. Second ed. 61 lessons in welding as taught at the company's welding school with questions and answers.

THE MILKY WAY—Bart J. Bok and Priscilla F. Bok—*Blakiston*, 224 p., \$2.50. Second ed., illus. One of eight books by members of the Harvard College Observatory staff presenting in semi-popular form advances made in the exploration of the Milky

Way with modern technique and equipment.

ON TO WESTWARD: War in the Central Pacific—Robert Sherrod—*Duell*, 333 p., maps, \$3. A personal record of the campaign between Tarawa and Okinawa.

PRESCRIBING OCCUPATIONAL THERAPY—William Rush Dunton, Jr.—*C. C. Thomas*, 151 p., \$2.50. Second ed. General principles and practical applications for patients of varying ages and needs.

THE RING-NECKED PHEASANT AND ITS MANAGEMENT IN NORTH AMERICA—William L. McAtee, editor—*American Wildlife Institute*, 320 p., illus., \$3.50. Historical and practical information for pheasant farmers about a fascinating game bird by several well-known authorities.

ROCKS AND RIVERS OF AMERICA—Ellis W. Shuler—*Cattell*, 300 p., illus., \$4. Everyday questions about the landscape by a widely traveled geologist in down-to-earth language.

SOME EARLY MIOCENE CARNIVORES—Elmer S. Riggs—*Field Museum*, 114 p., illus., \$1. A detailed description of important specimens by a specialist in the field.

Science News Letter, December 1, 1945

Most of the 664 thoroughbred *stalions* taken from France by the Nazis during the war, being easily identifiable, have now been located in Germany and are being returned.

ELECTRONICS

Life-Boats Equipped With Radar Device

➤ A TINY RADAR device known as the "corner reflector" that weighs slightly over a pound enables life-boats, carried on Army Air Forces overseas missions, to be as easily detected as a flashlight in a blackout, the Air Technical Service Command announced.

The small size of the corner reflector makes it standard equipment not only in multi-place rafts carried by bombers, but in single-place rafts carried in fighter aircraft as well. Life-raft packs carried on the backs of aviators along with their parachutes hold the collapsible corner reflector packed in its small carton.

A cloth mesh, woven of monel metal fire, is the important feature of the reflector, which is attached to a mast extending from the raft.

This mesh reflects the radar waves transmitted by the searching aircraft. The radar scope within the plane picks up the reflected waves, thus revealing the exact position of the downed victims.

The famous "Gibson Girl" life-raft radio set used in multi-place boats is not replaced, but the single craft is too small to accommodate this SOS equipment. The smaller rafts rely upon the corner reflector as their only radio signal device.

The radar reflector was produced in large quantities for operational use during the war. It was used extensively in the Pacific because on the wide stretches of water the reflector could be easily detected.

(Turn to next page)

YOUR HAIR and Its Care

By Oscar L. Levin, M.D.
and Howard T. Behrman, M.D.

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