

First Glances at New Books

➤ VACATION driving being now in the difficult-to-impossible category, trail-hiking will doubtless appeal to increasing numbers. This gives timeliness to the appearance of the second edition of the *Appalachian Trail Conference's Guide to the Appalachian Trail in the Southern Appalachians* (\$1.75). Compact, mile-by-mile text descriptions and plenty of folded maps make this manual a "must" for even the lightest pack.

Science News Letter, March 27, 1943

➤ A HISTORY of aeronautics in the United States is the *FIRST CENTURY OF FLIGHT IN AMERICA*, by Jeremiah Milbank, Jr., (*Princeton Univ. Press*, \$2.75). The first survey of this subject covers the period from 1784 to the present day. It is well illustrated and documented, and should be of interest to technicians, historians, as well as laymen.

Science News Letter, March 27, 1943

➤ REVIEW and predictions on current science by the editor, John D. Ratcliff, preface the *SCIENCE YEAR BOOK OF 1943* (*Doubleday, Doran & Co.*, \$2.50). Written in popular vein, the volume contains some of the best science articles published last year. Selections are limited to the fields of medicine, aviation, natural history and agriculture.

Science News Letter, March 27, 1943

➤ HOW SINEWS of victory are produced from "flowing gold" is related in *THE AMAZING PETROLEUM INDUSTRY* by V. A. Kalichevsky (*Reinhold Publishing Corp.*, \$2.25). After explaining the nature of oil, the author traces its journey from deep in the earth to the myriad of completed products and by-products. Technical details are omitted but the reader will find an elementary knowledge of chemistry helpful.

Science News Letter, March 27, 1943

➤ FERN-LOVERS and botanists generally will welcome *FERNS AND FERN ALLIES OF LOUISIANA*, by Clair A. Brown and Donovan S. Correll (*La. State Univ. Press*, \$3). Brief textual descriptions and halftone illustrations (from herbarium specimens) facilitate identification of the many interesting Southern fern species.

Science News Letter, March 27, 1943

➤ MORE than a score of Army occupations require the operational skills ex-

plained in *FUNDAMENTAL SHOP TRAINING* by John T. Shuman, Capt. Bailey Wright and James Ritchey (*American Technical Society*, \$2). It is readable preinduction material on elementary shopwork.

Science News Letter, March 27, 1943

➤ BUILD IT YOURSELF, by Michael Rothman, is a good woodworking manual with working drawings for many pieces of easy-to-make home furniture that can be constructed at home by the amateur. Common hand tools are described and illustrated. It will prove interesting for the man following a wood-working hobby. (*Greenberg*, \$1.75.)

Science News Letter, March 27, 1943

➤ REHABILITATION and war surgery, two most timely topics, make up a large section of the autobiography Dr. Fred H. Albee, one of the world's great orthopedic surgeons, has written, *A SURGEON'S FIGHT TO REBUILD MEN* (*Dutton*, \$3.50). The author's life has been full of drama as well as service and he recounts his experiences and the technical details of orthopedic surgery in a clear, vivid style. The reader will not want to skip a word of this book which furnishes so much valuable background information for pressing problems war has again brought.

Science News Letter, March 27, 1943

Just Off the Press

AIRCRAFT PROPELLER HANDBOOK—Karl Hansson Falk—*Ronald Press*, 146 p., illus., \$4.50. Revised ed.

THE AMAZING PETROLEUM INDUSTRY—V. A. Kalichevsky—*Reinhold*, 234 p., \$2.25.

ANALYTIC GEOMETRY—Edward S. Smith, Meyer Salkover and Howard K. Justice—*Wiley*, 298 p., illus., \$2.50.

BIRDS FROM THE GULF LOWLANDS OF SOUTHERN MEXICO—Pierce Brodtkorb—*Univ. of Michigan Press*—88 p., 1 map, 75c. (Miscellaneous Publications Museum of Zoology, University of Michigan, No. 55)

FERNS AND FERN ALLIES OF LOUISIANA—Clair A. Brown and Donovan S. Correll—*Louisiana State Univ. Press.*, 186 p., illus., \$3.

THE FIRST CENTURY OF FLIGHT IN AMERICA—Jeremiah Milbank, Jr.—*Princeton Univ. Press*, 248 p., illus., \$2.75.

GEOMETRY IN AERONAUTICS: Establishing a Fix Interception Wind Drift Radius of Action—John R. Clark and Rolland R. Smith—*World Book Co.*, 16 p., illus., 10c. (A reprint of a new chapter from *Modern-School Geometry*, rev.)

HOW TO SOLVE PROBLEMS IN QUALITATIVE ANALYSIS—Joseph A. Babor and J. Kenneth W. Macalpine—*Crowell*—93 p., illus., 75c. New ed.

AN INTRODUCTION TO BIOPHYSICS—Otto Stuhlman—*Wiley*, 375 p., illus., \$4. (Textbook for mature college students which explains "the application of physics to biological problems")

MARINE ELECTRIC POWER—Q. B. Newman—*Simmons-Boardman*, 238 p., illus., \$2.50 2d. ed.

MONOGRAPH OF THE WEST INDIAN BEETLES OF THE FAMILY STAPHYLINIDAE—Richard E. Blackwelder—*Govt. Print. Off.*, 658 p., \$1. (Smithsonian Institution United States National Museum bulletin 182)

NATIONAL FARM CHEMURGIC COUNCIL BULLETIN: New Fields for American Agriculture — *National Farm Chemurgic*

Council, 53 p., illus., 50c. (Papers Delivered in 1941 and 1942 before the Annual Meetings of the National Farm Chemurgic Council and Concerned with Large, New Cash Crops which Should be Grown by American Farmers).

NATIONAL RESOURCES DEVELOPMENT REPORT FOR 1943: Part I. Post-war Plan and Program—National Resources Planning Board—*Govt. Print. Off.*, 81 p., 25c. A preview by government officials of a better world after the war, including the putting into practice of a new bill of rights.

100 MEAT SAVING RECIPES—Ann Roe Robbins—*Crowell*, 106 p., \$1. A welcome addition to cookbooks, now that meat rationing is here.

QUESTIONS AND ANSWERS FOR MARINE ENGINEERS—Compiled by H. C. Dinger—*Simmons-Boardman*, 97 p., illus., \$1. Book V—Powering, Fuel Economy, Propulsion, Propellers and Shafting.

SCIENCE YEAR BOOK OF 1943—John D. Ratcliff—*Doubleday, Doran*, 286 p., \$2.50.

THE SU SITE EXCAVATIONS AT A MOGOL-LON VILLAGE WESTERN NEW MEXICO: Second Season 1941—Paul S. Martin—*Field Museum Chicago*, 271 p., illus., \$2. (Anthropological Series Field Museum of Natural History, Volume 32, No. 2, Feb. 24, 1943. Publication 526)

TAXONOMIC AND GEOGRAPHIC COMMENTS ON GUATEMALAN SALAMANDERS OF THE GENUS OEDIPUS — L. C. Stuart — *Univ. of Michigan Press*, 34 p., 2 plates, 1 map, 35c. (Miscellaneous Publications Museum of Zoology, University of Michigan, No. 56)

A WARTIME GUIDANCE PROGRAM FOR YOUR SCHOOL—Alfred J. Cardall—*Science Research Associates*, 104 p., \$1.

WHEAT IN THE THIRD WAR YEAR MAJOR DEVELOPMENTS, 1941-42—M. K. Bennett, Helen C. Farnsworth and Rosamond H. Peirce—*Stanford Univ.*, \$1. (Wheat Studies, Vol. XIX, No. 3, Dec. 1942)