

Books of the Week from page 316

cloth \$3.25. Discussion of a number of philosophical problems in the light of modern scientific data.

PREMATURITY, CONGENITAL MALFORMATION AND BIRTH INJURY—L. Emmett Holt, Jr., Theodore H. Ingalls and Louis B. Hellman, Co-Chairmen—*Association for the Aid of Crippled Children*, 255 p., illus., \$4.00. Proceedings of a conference to which more than thirty specialists in this field contributed.

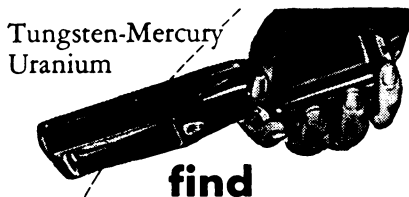
PRIMITIVE HERITAGE: An Anthropological Anthology—Margaret Mead and Nicolas Calas, Eds.—*Random House*, 592 p., \$5.00. Bringing together the writings of anthropologists that "would restore the sense of wonder earlier generations drew from accounts of primitive and exotic men."

RECRUITING THE COLLEGE GRADUATE: A Guide for Company Interviewers—Richard S. Uhrbrock—*American Management Association*, 31 p., paper, \$1.25. Now that demand for talent exceeds the supply, company interviewers will welcome this step-by-step guide for picking the best men.

SOIL AND FERTILIZER PHOSPHORUS IN CROP NUTRITION: Volume IV of AGRONOMY—W. H. Pierre and A. G. Norman, Eds.—*Academic Press*, 492 p., illus., \$9.00. A critical analysis of the present state of knowledge, needed in this rapidly advancing field. Contributed by a number of specialists.

SYNOPSIS OF MEDICAL PARASITOLOGY—V. E. Brown—*V. E. Brown*, 109 p., illus., paper, \$3.50. Intended as a reference manual for students' use in the laboratory.

THE THEORY OF METALS—A. H. Wilson—



**find
vital war metals!**

with Ultra-Violet
MINERALIGHT

MINERALIGHT instantly identifies tungsten, mercury and many other valuable minerals now in great demand for rearmament. MINERALIGHT models for every requirement. Money-back guarantee.

ACTUAL ATOMIC BLAST SAMPLE!
Send 25c for new mineral specimen from 1st atomic blast at Alamogordo, New Mexico.



FREE! Send for brochure SNL "Prospecting for Scheelite (tungsten) with Ultra-Violet."

ULTRA-VIOLET PRODUCTS, INC.
143 Pasadena Ave. South Pasadena, Calif.

Cambridge University Press, 2nd ed., 346 p., illus., \$8.50. The author has attempted to introduce all important physical principles and to give applications which are of wide interest.

TELEVISION RECEIVER DESIGN: Monograph 2, Flywheel Synchronization of Saw-Tooth Generators—P. A. Neeteson—*Philips' Technical Library (Elsevier)*, 156 p., illus., \$4.50. Television engineering demands more than the application of radio experience; television receivers embody new developments in circuit design and the use of electronic tubes.

UNDERSTANDING BOYS—Clarence G. Moser—*Association Press*, 190 p., illus., \$2.50. Written by a child guidance specialist for adults.

UNESCO FACTS—*U. S. National Commission for UNESCO*, 16 p., illus., paper, small quantities free upon request to publisher, Department of State, Washington 25, D. C. Facts about the objectives and accomplishments of UNESCO and why the U. S. Government participates.

VAGRANT VIKING: My Life and Adventures—Peter Freuchen, translated from the Danish by Johan Hambro—*Messner*, 422 p., illus., \$5.00. An Arctic explorer tells the story of his adventurous life.

VOCABULARIUM BIBLIOTHECARI—Begun by Henri Lemaitre, revised and enlarged by Anthony Thompson—*UNESCO (Columbia University Press)*, 296 p., paper, \$1.75. Common terms used by librarians, such as "complete works," "detective story," "fiction" and so on, with the equivalents in French and German.

WHAT CHIEF STATE SCHOOL OFFICERS SAY ABOUT HIGH SCHOOL DRIVER EDUCATION—*American Automobile Association*, 20 p., illus., paper, single copies free upon request to publisher, 1712 G Street, N.W., Washington, D. C. High school driver education reduces accidents by 50% or more, although only a fourth of high schools offer this driver training.

WITHIN THE LIVING PLANT: An Introduction to Plant Physiology—Erston V. Miller—*Blakiston*, 325 p., illus., \$5.00. Based on the author's plant physiology course at the University of Pittsburgh.

WORLD MEDICAL PERIODICALS—Joint Committee of UNESCO and WHO—*WHO-UNESCO (Columbia University Press)*, 237 p., \$2.00. Listing 4,000 periodicals with place of publication and language. A subject index is included.

Science News Letter, November 14, 1953

WORLD'S MOST AMAZING BARGAIN CATALOG

SAVE UP TO 85% ON WAR SURPLUS

1954 EDITION—OVER 300 PAGES

Packed with **SENSATIONAL VALUES IN WAR SURPLUS, FACTORY CLOSE-OUTS AND GENERAL MERCHANDISE!**

Fully illustrated. Thousands of items in Hand & Power Tools, Outdoor & Sporting Equipment, Hardware, Photo Supplies, Foam Rubber, Industrial Tools, Aircraft Parts, Metals, Plastics, Gadgets, Hydraulic Supplies & many, many more.

Only 50¢ Order Your Copy Today! We'll refund it on your first order of \$1.00 or more.

PALLEY SUPPLY CO. 2263 E. Vernon Ave., Rm. 14, Los Angeles 58, Cal.



Defeating Winter

► **LIVING THINGS** use a wide variety of means in defeating or evading the deadly blight of winter! Plants, in general, have the hardest time of it.

Lower forms, being mostly aquatic, keep refuge in the water, as fish do, and stolidly stick it out. Water seldom freezes all the way to the bottom. Some of these pond inhabitants, at that, produce desistant spores in autumn, that fall to the bottom and lie dormant until spring.

Higher plants either trust the fate of coming generations to their seed and submit to being frozen to death, as the annual herbs do, or crouch beneath coverings of dead leaves and drifted snow, or even retreat into bulbs, rootstocks, etc., leaving no parts exposed above the surface. Trees, shrubs and woody vines either shed their leaves and stand as skeletons through the bitter season, or cling stubbornly to close-reefed evergreen foliage, and wrestle it out with the storms.

Animals, being motile for the most part, have a wider choice. Some, like short-lived insects, entrust the fate of the species to eggs or pupae, as annual plants do to seeds, and make no attempt to live through the winter. Others, notably birds, frankly run away, migrating southward in vast flocks as winter moves down the map, to return north with spring.

Hemlock Hollow Farm

Largest breeders of Sherman rats in the East. Also Wistar rats, mice, guinea pigs, and rabbits. A balanced diet free of anti-biotics and Vitamin D is fed. They are raised under strict laboratory supervision in clean well-ventilated buildings. All animals are vigorous, resistant to respiratory infection, free of Salmonella and of quiet disposition. All litters are boxed separately and are dated.

Price List on Request

Black Oak Ridge Road
Paterson, R.D. 4, New Jersey
Telephone: Mountain View 8-0703

Many hibernate; and there are all degrees of hibernation. Some, like ground squirrels and frogs, pass into a "death-seeming swoon," from which it is extremely difficult to arouse them without warming them up to springtime temperature. Others, like bears and some species of squirrels, sleep deeply or lightly, as particular environmental conditions dictate. Some bears go into their dens in autumn and are not seen again until spring. Others emerge during thaws and forage for a little extra food to supplement their stored fat. In the South, of course, bears do not hibernate at all.

Many animals, like hawks and owls, chickadees and nuthatches, the fox, wolf and weasel tribes, rabbits and quite a number of rodents, are able to find enough food to keep their life-fires going full blast all winter, especially since the majority of them are able to make or find warm shelter of some kind.

Science News Letter, November 14, 1953

An inch-square bar of a new titanium alloy containing aluminum and tin can withstand a pulling force of 110,000 pounds.

Hydrogen peroxide seems to wear out, though kept in a tightly closed bottle, because its extra oxygen atom is easily detached, producing oxygen and water.



SELLS 20 ARTICLES AFTER ENROLLING FOR N.I.A.—AT 70!
"I am 70 years of age and have had over 40 years in the U. S. Army. I wanted to write and decided to try the N.I.A. Since enrolling, more than twenty articles were accepted by the El Paso Herald Post. I find writing thrilling."—H. A. Palen, Lt. Col., 2901 N. Piedras St., El Paso, Texas.

To People who want to write but can't get started

DO YOU have that constant urge to write but fear that a beginner hasn't a chance? Here is what the former editor of Liberty said:—"There is more room for newcomers in writing than ever before. Some of the greatest of writing men and women have passed from the scene. Who will take their places? Fame, riches and the happiness of achievement await the new men and women of power."

A Chance to Test Yourself—FREE

The Newspaper Institute of America offers a FREE Writing Aptitude Test. Its object is to discover more men and women who can add to their income by fiction and article writing. The Writing Aptitude Test is a simple but expert analysis of your latent ability, your powers of imagination, logic, etc. Those who pass this test are qualified to take the famous N. I. A. course based on the practical New York Copy Desk Method which teaches you to write by writing. You work at home, in leisure time, constantly guided by experienced writers. Soon you acquire the coveted "professional" touch. Then you are ready to market your stories, articles and news items.

Mail the Coupon Now

Taking the FREE Writing Aptitude Test requires but a few minutes and costs nothing. So mail the coupon now. Take the first step towards the most enjoyable and profitable occupation—writing for publication! Newspaper Institute of America, One Park Ave., New York 16, N. Y. (Founded 1925)

(Licensed by State of N. Y.)

FREE Newspaper Institute of America
One Park Avenue, New York 16, N. Y.

Send me, without cost or obligation, your Writing Aptitude Test and further information about writing for profit as promised in Science News Letter, November 14.

Miss }
Mrs. }
Mr. }
Address _____

City _____ Zone _____ State _____

(All correspondence confidential. No salesman will call on you.) 117-T-783
 Check if Veteran.

Copyright 1953 Newspaper Institute of America

ORNITHOLOGY

New Birds Discovered In Arabian Sultanate

➤ A NEW babbler, lark and warbler were discovered by an expedition of the Academy of Natural Sciences of Philadelphia to the Arabian Sultanate of Muscat and Oman. William K. Carpenter headed the expedition to the independent Arab state which covers an 800-mile strip of coastline fronting on the Gulf of Oman and the Arabian Sea.

The new lark was named *Ammomanes deserti taimuri*, Muscat Desert Lark, in honor of Sultan Said bin Taimur of Muscat and Oman. Carpenter's Streaked Wren Warbler, *Prinia gracilis carpenteri*, was named for Mr. Carpenter. *Turdoides squamiceps muscatensis*, Muscat Brown Babbler, was the third subspecies discovered.

The lark is an exceptionally dull-colored, grayish race of desert larks. The Muscat Babbler has a shorter bill, wing and tail than its closest relatives and is less brownish in color. The new warbler has fine markings and is somewhat larger than similar birds found in India.

Complete descriptions of the new subspecies have been published by the Academy of Natural Sciences.

Science News Letter, November 14, 1953

LINGUAPHONE for LANGUAGES

World's Standard Conversational Method



French • Spanish • Italian German • Russian • Japanese Norwegian • Portuguese

any of 29 languages available

Language Teacher for 30 Years Praises Linguaphone "Of all methods I know, the Linguaphone Course best fulfills the requirements of real everyday speech." — Dr. Venzlief.

No Textbook Can Teach You to Speak

With LINGUAPHONE World's Standard Conversational Method you bring a foreign land right into your own home—you LISTEN and LEARN another language in the same easy, natural way you learned English long before you went to school. It's like living in another land.

LEARN AT HOME

AT HOME you hear native men and women speak about every day matters. You listen—you understand—YOU SPEAK correctly, easily, naturally. You read and write. You can learn in 20 minutes a day.

Used internationally by scientists, schools, colleges, governments, Armed Services and business firms for personnel training. Over a million home-study students. Stop Wishing. Start Talking. Save Time. Work Money. WRITE TODAY for fascinating FREE book, "Passport to a New World of Opportunity." Mail coupon now. Linguaphone Institute, 3111 Mezz., Rockefeller Plaza, N. Y. 20.

LINGUAPHONE INSTITUTE
3111 Mezz., Rockefeller Plaza,
N. Y. 20, N. Y.

Send me your FREE book.

LANGUAGE INTERESTED

NAME

ADDRESS

CITY..... ZONE..... STATE.....

Questions

DENTISTRY—What is effect of adding antibiotics to tooth fillings? p. 312.

□ □ □

GENERAL SCIENCE—How does the defense effort curtail other research? p. 313.

□ □ □

INVENTION—How many patent copies are requested per day, on the average, at the Patent Office? p. 308.

□ □ □

METEOROLOGY—What are the advantages of numerical forecasting over present methods? p. 309.

□ □ □

PHYSICS—Why is the "swindletron" so named? p. 310.

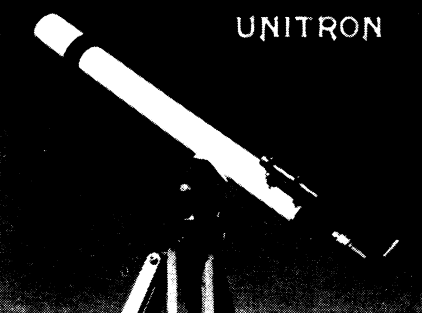
□ □ □

Photographs: Cover, Fremont Davis; p. 307, United Press Photo; p. 309, Argonne National Laboratory; p. 314, Department of Defense; p. 315, North American Aviation, Inc.; p. 320, Minneapolis-Honeywell Regulator Co.

UNITRON

GIFTS for the AMATEUR SCIENTIST

UNITRON Refractors are the most wanted telescopes in America today! Unexcelled for combined astronomical and terrestrial use. Write for free educational literature on how to select a telescope and illustrating all UNITRON Models. Learn why astronomy is today's fastest growing hobby!



ALTAZIMUTH REFRACTORS

COMPLETE with mounting and slow motion controls, tripod, view finder, erecting prism system (2.4" and 3" models), star diagonal, sunglass, wooden cabinets, etc.

- 1.6" MODEL: with eyepieces for 78X, 56X, 39X only **\$75**
 - 2.4" MODEL: with eyepieces for 100X, 50X, 35X only **\$125**
 - 3" MODEL: with eyepieces for 171X, 133X, 96X, 67X, 45X only **\$265**
- Additional eyepieces available for all models.

OTHER UNITRON REFRACTORS

- 4 INCH PHOTO-EQUATORIAL \$890
 - 4 INCH EQUATORIAL 785
 - 4 INCH ALTAZIMUTH 465
 - 3 INCH PHOTO-EQUATORIAL 550
 - 3 INCH EQUATORIAL 435
 - 2.4 INCH EQUATORIAL 225
- Time payment plan available.

ALL INSTRUMENTS FULLY GUARANTEED
Send check or m.o. or 25% deposit with balance C.O.D. Write for illustrated literature: Dept. L-118.

United Scientific Co.
204-206 MILK STREET, BOSTON 9, MASS.